Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Impaired Access to ESC Public Data and Procedural Defects Affecting Public Participation

1 message

[redacted] Wed, Dec 10, 2025 at 12:43 AM
To: ronald.gaines@steelecountymn.gov
Bcc: owatonnaeastsidecorridor@gmail.com

Dear Ronald,

I am submitting this email and the attached correspondence as a **formal public comment** on the Environmental Assessment Worksheet (EAW) for the **East Side Corridor (ESC)** project.

The attached correspondence documents ongoing failures to provide meaningful access to ESC-related public data during the EAW comment period, including missing datasets and unusable inspection systems.

The attached email, sent to Steele County on December 9, 2025, documents continued failures to provide **meaningful access to ESC-related public data**, despite a compliance order in **OAH Case No. CAH 22-0305-40882**. These failures are on-going and occurring **during the active EAW comment period** and have directly interfered with the public's ability to review project information and submit informed, substantive comments.

By way of summary, the documented procedural defects include:

- **Failure to lawfully obtain and make available key ESC-related records**, including noise study materials and Joint Transportation Committee (JTC) records necessary to evaluate impacts, alternatives, and decision-making history
- **Previously available datasets now missing and inaccessible**, including email records that were accessible during earlier inspections and are no longer present
- **Materially incomplete and degraded datasets**, including email records converted into unusable formats that strip attachments, metadata, and context
- **Reliance on non-standard, third-party viewing software and unstable inspection systems**, which prevent coherent, chronological, and meaningful review of records

Under **MEPA and NEPA**, public participation is intended to occur **early and often**, with access to the underlying data necessary to evaluate impacts and alternatives. Here, essential ESC-related public data was not meaningfully accessible **prior to the release of the EAW, for 14 months,** and remains inaccessible now, **further restricting residents' ability to participate meaningfully in the environmental review process**.

The lack of access to essential ESC-related public data represents **an additional procedural barrier** in a process where opportunities for timely and meaningful public participation have already been limited and denied.

Because these access failures persist during the EAW comment period, they raise serious concerns regarding whether the current process satisfies the procedural requirements for informed public participation required under MEPA and NEPA.

Accordingly, I respectfully request that:

1. This email and the attached December 9, 2025 correspondence be **included in the official EAW record**; and
2. The RGU consider whether proceeding with the EAW under these conditions is procedurally appropriate, including whether the comment period should be **paused or extended** until meaningful access to the underlying ESC-related public data has been restored.

Please confirm receipt of this submission and its inclusion in the EAW comment record.

Thank you for your time and consideration.

Sincerely,
M[redacted] Z[redacted]
Owatonna East Side Corridor Residents

Gmail - ESC Data Practices Requests _ Status4-merged.pdf
631K

Gmail [redacted]

ESC Data Practices Requests / Status

[redacted] Tue, Dec 9, 2025 at 11:20 PM
To: "Housh, Campbell" <Campbell.Housh@steelecountymn.gov>, "Jarrett, Robert" <robert.jarrett@steelecountymn.gov>
Cc: [redacted], Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>, "Fry, Renae" <Renae.Fry@steelecountymn.gov>, "Abbe, Jim" <Jim.Abbe@steelecountymn.gov>, "Brady, James" <James.Brady@steelecountymn.gov>, "Glynn, John" <john.glynn@steelecountymn.gov>, "Krueger, Greg" <Greg.Krueger@steelecountymn.gov>, "Prokopec, Joshua" <joshua.prokopec@steelecountymn.gov>

Dear Rob and Campbell,

I was able to inspect the County's public data on **December 9, 2025**, arriving at approximately **4:00 p.m.** I had several specific tasks I intended to accomplish during this inspection:

- Inspect traffic studies that were previously inaccessible
- Inspect the most recent dataset made available
- Inspect the dataset that M[redacted] S[redacted] was previously unable to review
- Locate several specific emails from the original datasets

I was **unable to accomplish any of these tasks**.

I am therefore providing formal notice regarding the County's **continued failure to provide meaningful access** to public data requested in connection with the East Side Corridor project, as required under **Minn. Stat. §13.03**.

Despite repeated attempts to inspect the data on **July 21, August 28, October 28, and December 9,** and repeated notice to the County, the data and inspection environment provided have not allowed meaningful access or review.

Ongoing and Uncorrected Access Failures (Timeline)

Meaningful access to the requested public data has **not been available since March 11, 2025**. Any access attempts after that date have been thoroughly documented as inaccessible, unstable, or unusable.

These failures did not occur in isolation. The current conditions compound previously documented data access issues identified on **January 15 and February 4, 2025**, which were formally raised with the County and **never corrected**.

Despite repeated notice over multiple months, the County has not restored stable, complete, and reasonably usable access to the public data. Instead, access has progressively degraded over time, culminating in the inspection failures documented below.

Dataset 1 and Dataset 2 – Email Records (Materially Incomplete)

The jump drive labeled **Dataset #1**, which previously contained **over 1,800 email records**, contained only **18 accessible emails** at the time of inspection. As a result, I was unable to locate specific emails that I had previously reviewed and relied upon. This raises concerns regarding the integrity and completeness of **Dataset #2** as well.

During earlier inspections, I spent **many hours loading thousands of emails into Outlook** to make the data in these datasets reasonably usable. Outlook is no longer available on the inspection system, and the email data previously accessed is no longer present or accessible in that form.

Additionally, the email files are **randomly named and not organized chronologically or logically**, making it impossible to locate known records. Outlook was necessary to render the data usable. Because of these defects, I was unable to locate specific records that are vital to preparing my Environmental Assessment Worksheet (EAW) comments.

Loss of Data Integrity and Irreparable Prejudice

Even if the County were able to recover or re-produce the missing email data at some point, the repeated access failures have created a **loss of continuity and verifiability**. There is no way to confirm that any subsequently provided data would be identical to the datasets previously available or that it would include all records originally responsive to the request.

In addition, restoring access at this stage would require re-reviewing and re-organizing a substantial volume of data that was originally requested more than 14 months ago. Residents previously spent approximately 15–18 hours reviewing and organizing these records in order to make them usable.

Requiring this work to be repeated due to the County's access failures imposes an unreasonable burden and further prejudices meaningful participation. Delayed or reconstructed access does not cure the denial of access that has already occurred.

Dataset 4 – Degraded and Unusable Email Content

The most recent dataset appears to consist of emails converted to .txt files. These files are severely degraded, including instances where text appears one character per line. Attachments, metadata, threading, original formatting, and contextual structure have been removed.

As presented, these files are functionally unusable and do not allow meaningful inspection. Public data must be provided in the manner in which it is generally stored and maintained. Email records are not stored as .txt files, and conversion to this format strips essential context, attachments, and usability.

PST / Native Email Files

PST and native email files are present in dataset #3, including a PST associated with Paul Sponholz exceeding 3 GB, which M[redacted] S[redacted] documented as usable on July 21, 2025. When opened during this inspection, the file displayed a blank screen with no email content. Other PST or native files similarly failed to open or display records in a meaningful way.

Third-Party Viewing Software

The County replaced standard email software with third-party viewers, including CoolUtils Outlook Viewer and other third party viewers. As configured, this software does not present email records in a commonly understood or intuitive format. Navigation is not common-sense, layout is non-standard, and email content appears fragmented and distorted.

The software does not allow for loading and retaining multiple email files; previously viewed content disappears upon closing, making review tedious and impracticable. Emails cannot be reviewed as a complete dataset or viewed chronologically.

Files are assigned random filenames with no logical order, date, sender, or subject identifiers. This prevents sorting, searching, timeline reconstruction, identification of related correspondence, or location of known records.

The use of this software, as well as other viewers such as the Word document viewer, alters how records appear — including fonts, spacing, and layout — and does not display records as they are ordinarily maintained or reviewed. In practice, the records appear garbled rather than intelligible public data.

Physical Media and System Failures

The County provided four USB drives and one CD for inspection. I was unable to access any data on the USB drives. The PDF files on the CD could be opened, but access was extremely slow. Word documents that were previously available are now missing.

I was informed that certain Word documents were converted to PDFs and that both formats were available; however, I did not observe corresponding Word and PDF versions of these files.

The County previously testified under oath that it purchased a new computer system dedicated to public data inspection. The system provided is outdated and unstable. Upon startup, it entered an automatic repair process, demonstrating that it is not suitable for public data inspection.

Security, Integrity, and Availability of Standard Government Tools

The access failures described above are not justified by security, technical, or licensing constraints.

The County has previously testified under oath that it operates within a Microsoft enterprise environment with full Microsoft licensing. As such, the County already possesses secure, compliant tools capable of displaying email and document records as maintained, including licensed Microsoft Office applications designed for enterprise and government use.

Standard configurations exist that allow records to be viewed in a read-only, offline environment, preserving data security and integrity while allowing meaningful inspection. These configurations do not require user accounts, internet connectivity, or modification of underlying data.

Instead, the inspection environment relied on **non-standard third-party viewing applications** that fragment datasets, alter formatting and layout, and prevent coherent review. Beyond impairing access, this approach introduces **system governance and security risk**. Inspection systems can be reconnected to a network with minimal action, and third-party software that does not operate within a managed enterprise update and security framework increases exposure to vulnerabilities and outdated components.

This approach introduces security risk and departs from standard government IT practices designed to minimize risk and preserve data integrity.

The inspection environment provided is therefore **neither secure nor functional** for purposes of public data inspection.

Avoiding licensed, enterprise-managed software in favor of non-standard viewers is not a reasonable tradeoff where it introduces additional security and governance risk.

Impact on Legal Participation

As a result of these **ongoing, uncorrected access failures**, the data is incomplete, inaccessible, and degraded to the point of being unusable. These conditions have directly interfered with my ability, and my community's ability, to review public records necessary for **meaningful participation in the ongoing Environmental Assessment Worksheet (EAW) process**.

At this point, the condition of the data and the inspection environment constitutes **denial of access to public data** under Minn. Stat. §13.03.

For clarity, I hold a **degree in computer science** and am experienced in reviewing large electronic datasets. Despite that expertise, I was unable to access or meaningfully review the data as provided.

I documented these conditions with photographs and video at the time of inspection.

ction.

Governance and Compliance Notice

The Office of Administrative Hearings has made clear that **meaningful access to public data is a prerequisite to lawful public participation**, and that public entities have an affirmative obligation to ensure that such access is provided. In this case, the continued denial of usable access — including missing datasets, degraded records, and data previously available and now inaccessible — is occurring during the **active EAW comment period**, when public review is required to be informed and substantive.

Under **MEPA and NEPA**, public participation is intended to occur **early and often**, with access to the underlying data necessary to evaluate purpose, need, impacts, and alternatives. Here, ESC-related public data essential to that review was not made meaningfully accessible **prior to the release of the EAW**, and remains inaccessible now.

Proceeding with the EAW while required data remains unavailable undermines the **procedural integrity** of the environmental review and deprives the public of the opportunity for **meaningful participation** contemplated by state and federal law.

In light of these unresolved access failures and the requirements of MEPA and NEPA for informed public participation, proceeding with the EAW while essential public data remains unavailable raises serious procedural concerns. The appropriate corrective action under these circumstances is to **pause the EAW process until meaningful access to the required data has been restored**, so that public participation can occur as required by law.

Because these matters involve required compliance with an OAH order (**CAH 22-0305-40882**), East Side Corridor–related public data, and the integrity of EAW procedures, I have copied the County Board for awareness and oversight.

Requested Action

Please advise, in writing, how and when the County will provide access to the **complete, intact, and reasonably usable dataset** in a stable and functional inspection environment, as required by Minn. Stat. §13.03.

Sincerely,

[redacted] [redacted]

Owatonna East Side Corridor Residents

[Quoted text hidden]

Gmail [redacted]

ESC Data Practices Requests / Status

Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com> Mon, Dec 8, 2025 at 4:49 PM
To: "Jarrett, Robert" <Robert.Jarrett@steelecountymn.gov>
Cc: [redacted] "Fry, Renae" <Renae.Fry@steelecountymn.gov>, "Housh, Campbell" <Campbell.Housh@steelecountymn.gov>

County Attorney Jarrett,

Thank you for your response. We need clarification on several points where the County's "no data exists" determinations conflict with data that clearly does exist and with the requirements of Minn. Stat. §§ 13.03, 13.05, and 15.17.

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1. Joint Transportation Committee (JTC)

Steele County's own 2025 Committee Appointments document lists the **Intergovernmental Joint Transportation Committee** under "Joint Powers, Advisory Board, Regional Representation." This is responsive data showing the Committee's official status.

Additionally, **commissioner per diem/attendance records for JTC meetings exist** and were not produced. These records alone demonstrate that the County *has* maintained JTC-related data.

For clarity:
Our JTC request was **not limited to minutes**. It includes all data the County "created, received, maintained, or disseminated" regarding the JTC, including emails, correspondence, materials provided to commissioners, formation/purpose records, and any ESC-related documents.

Given that responsive records **do** exist, please explain:

1. Why they were not identified or produced;
2. Whether the County intends to correct its "no data" response; and
3. If you maintain that another entity holds additional JTC records, **which entity** and whether Steele County has requested copies pursuant to §13.05, subd. 11.

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2. Noise Studies / Noise Modeling

Your response states that no noise studies were "conducted or received."
However:

- **WSB transmitted ESC noise modeling to the State**, and
- **County commissioners received portions of this modeling within the last few weeks.**

This contradicts the County's assertion that no such data exists or was received. Under Minn. Stat. §13.05, consultant-produced modeling is government data, and the County is required to request and provide it.

Please clarify:

1. Whether the County now acknowledges the existence of ESC noise modeling;
2. Whether the County has requested the full modeling data from WSB; and
3. Why this data was not identified or produced in response to our request.

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3. Required Documentation for “No Data” Determinations

For each item where the County continues to assert that no responsive data exists, please provide:

- The systems, databases, and locations searched;
- Date ranges;
- Staff who performed each search;
- Whether archived, OneDrive, email, or consultant-held data was included; and
- Any documentation reflecting search steps (search terms, internal notes, communications).

If no documentation exists for any of these searches, please confirm that in writing.

We appreciate the ongoing work involved in processing these requests. At this point we are simply seeking to reconcile the County’s statements with the existence of responsive data and with statutory requirements.

We look forward to your clarification so that these requests can be considered fully responded to.

Respectfully,
M[redacted] Z[redacted] & M[redacted] S[redacted]
Owatonna East Side Corridor Residents
[Quoted text hidden]

Gmail [redacted]

ESC Data Practices Requests / Status

Jarrett, Robert <Robert.Jarrett@steelecountymn.gov> Mon, Dec 8, 2025 at 4:07 PM
To: Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>, [redacted]
Cc: "Fry, Renae" <Renae.Fry@steelecountymn.gov>, "Housh, Campbell" <Campbell.Housh@steelecountymn.gov>

Dear Ms. Z[redacted] and Mr. S[redacted]

Thank you for your continued engagement regarding the East Side Corridor (ESC) data practices requests.

Re: Joint Transportation Committee

You are misinterpreting Minn. Stat. § 471.59. This statute does not require the county to enter into a joint exercise of powers; it allows the county to enter into agreements but does not require it to do so. Additionally, to my understanding, this committee exercises no authority or government powers. This committee has no formal agreement. It is no different than any other ad hoc committee. Therefore, the committee is not required and does not have minutes. While the Joint Transportation Committee is listed as a Joint Powers entity, Steele County is not the responsible authority for maintaining its records. We have confirmed that no records were created or received by the County in connection with this Committee. If records exist, they may be maintained by another participating entity. The County has not destroyed any such records, nor were any withheld.

Re: Noise Studies

Former county engineer Paul Sponholtz told us there were no formal noise studies. Regarding Ms. Fry's Testimony: Ms. Fry's statement during the ALJ proceeding accurately reflects the scope of the County's search. To the county's knowledge, Mr. Sponholz conducted a targeted search of the relevant drive where ESC-related project files are maintained. The county's position remains that no noise studies were conducted or received.

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Re :Commissioner Emails

Microsoft Purview now has an analytics tool that produced the attached summary for the "Commissioner ESC" data request. It includes a search of OneDrive as well as emails. As you can see, there are 5829 items, an unknown number of page(s) for each. I provided the columns FileClass, SubjectTitle, and Location. If you'd like to speed up the document request, I can certainly go through a specific item if you highlight them from this list. Otherwise, it is thousands of pages that likely contain irrelevant information but do fit your data request. **There are 336 items ready for review.** The estimated competition date is updated to January 2, 2026.

This and previously requested and responsive data remain available for viewing in accordance with Minn. Stat. § 13.03.

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Robert J. Jarrett

Data Practices Responsible Authority Steele County

Steele County Attorney

Direct: 507-444-7786

[Quoted text hidden]

Commissioner Emails ESC search results analytics summary.csv
1385K

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor Concerns

[redacted] Wed, Dec 10, 2025 at 4:56 PM
To: ronald.gaines@steelecountymn.gov
Bcc: owatonnaeastsidecorridor@gmail.com

We are emailing in regards to the East Side Corridor project. We continue to be very concerned about the lack of communication from the county and about the lack of transparency that the county has had with us residents that are going to be directly affected by this road. We are once again asking that this road be moved out to 34th Ave or to look at other options that will not directly and significantly affect the well being of so many people and families that live in these neighborhoods.

We are extremely concerned for our family's health, safety, and well being that this road will have. The noise and vehicle pollution that will be just feet away from our family bedrooms and house windows will have a significant affect on us. We are extremely concerned about the incomplete studies that have been done on noise and noise mitigations, the safety impacts that the road will have being so close to houses and homes, and of course the air pollution that will come directly into our windows and home daily. Our well being is going to be affected by a road that is too close to residential living. We want more studies done. We want the county to listen to the citizens of Owatonna that this road directly affects. We want the county to look at the other alternatives, 34th Ave. ***We want a full Environmental Impact Statement.***

Thank you,
G[redacted] and K[redacted] W[redacted]
[redacted]
Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment

1 message

[redacted] Thu, Dec 11, 2025 at 9:07 AM
To: ronald.gaines@steelecountymn.gov
Bcc: OwatonnaEastSideCorridor@gmail.com

Good morning,

My name is Seth Muir and I live in Owatonna, MN in Steele County. I am emailing today during the comment period to express my deep and sincere concern about the impacts of the proposed East Side Corridor at the 29th Avenue location. There will be an unacceptable increase in noise for the hundreds of residents next to the proposed highway and noise impacts, reductions, and mitigations studies are either incomplete or missing from public record. Therefore I beseech you, a full Environmental Impact Statement (EIS) must be completed.

Thank you,
--S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Comment on EAW

1 message

[redacted] Thu, Dec 11, 2025 at 9:15 AM
To: ronald.gaines@steelecountymn.gov
Bcc: OwatonnaEastSideCorridor@gmail.com

Good morning,

I have thought of more concerns regarding the proposed East Side Corridor at the 29th Avenue location in Owatonna and I am asking for a full Environmental Impact Statement (EIS). Putting a roadway with such high speeds so close to many existing homes (some possibly closer than 20 feet) is unprecedented and will seriously jeopardize the safety of the hundreds of children, elderly, all people and pets that live there. Air pollution and light pollution would be another environmental factor. If an East Side Corridor is necessary, then an alternative at the 34th Avenue location (where there is an existing County road bed some of which was plowed under (legally?) by a farmer) should be considered.

I ask for the EIS; I ask for safety and common sense; I ask for justice.

Please help,
--S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Asking for an EIS regarding the EAW

[redacted] Thu, Dec 11, 2025 at 9:27 AM
To: ronald.gaines@steelecountymn.gov
Bcc: OwatonnaEastSideCorridor@gmail.com

Hello Mr. Gaines,

I have one more reason a full Environmental Impact Statement must be completed for the proposed 29th Avenue East Side Corridor at the edge of Owatonna. There will be serious impacts to the physical and mental health of the numerous residents next to this fast roadway. The value of the properties will diminish while a developer (or developers) behind the scenes is scheming to make money for themself--this possible and likely fraudulent behavior needs to seriously be investigated.

The proposed 29th Avenue location is short-sighted and will have seriously negative impacts on the people, the habitats, and the future development of Owatonna. I ask for a full Environmental Impact Statement for the health and future of Steele County residents.

In fairness and honesty, thank you for your help,
--S[redacted] M[redacted]
[redacted]
Owatonna, MN 55060

Gmail

Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor Purpose and Need

[redacted] Fri, Dec 12, 2025 at 7:25 AM
To: "ronaldgaines@steelecounty.gov" <ronaldgaines@steelecounty.gov>
[redacted]

Dear Ron Gaines:
Last night at the ESC Open house, we had a conversation about the yellow circle on a map designated “Future Destination”. You asked me if I got that information from Face Book. I want to follow up on my concerns that I believe were not heard.
The identification of future destination came from the EAW NOT Facebook.
Let me clarify my position.
I do not believe the East Side Corridor meets a transportation purpose based on supporting future development. Facilitating development does not establish transportation need, particularly where existing transportation problems are unsupported elsewhere in the record. The EAW’s identification of a future “destination” adjacent to the corridor raises concerns that the project is being structured to enable development rather than address documented transportation demand.

Because this justification relies on future development rather than demonstrated transportation need, further environmental review is warranted, including consideration of whether a full Environmental Impact Statement (EIS) is required.

Respectfully Submitted,
S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Eastside Corridor Impacts

[redacted] Fri, Dec 12, 2025 at 7:27 AM
To: "ronaldgaines@steelecounty.gov" <ronaldgaines@steelecounty.gov>
[redacted]

Dear Ronal Gaines:
My husband and I own property that abuts the proposed 29 Ave option. It is not surprising that we would be concerned about the impacts the hyway would have on our quality of life.
Based on the information presented, the East Side Corridor does not meet its stated Purpose & Need and key data is missing or incomplete. Significant noise, environmental, neighborhood, farmland, floodplain, and environmental justice impacts require further study. I respectfully request that the RGU require a full Environmental Impact Statement (EIS).
Respectfully submitted,
S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Owatonna's East Side Corridor Project

[redacted] Fri, Dec 12, 2025 at 9:40 AM
To: "ronald.gaines@steelecountymn.gov" <ronald.gaines@steelecountymn.gov>

Hello Ronald & team,

My husband and I attended the open house last night for the ESC project. We are lifetime residents of Steele County. We have concerns about this project. One of the main issues is its impact on the environment. We'd like to request a full Environmental Impact Statement. Are you able to provide this information? We'd also like to know how much research has been done about extending 34th Ave. This road is already in place and extending it would seem like an option to consider. There are no neighborhoods along that path, and there would be room for expansion for future developments. We live on Hill Drive and do feel a road is needed to streamline traffic south.

We take pride in nature and the environment for the future of all. We moved from our country home on 10 acres to 1.5 acres on Hill Drive over 8 years ago to keep our country feel but closer to town. Sadly, we have seen major impacts of the development and destruction of the many mature trees/woods and established wildlife west of Hill Drive over the past couple of years. It's awful to see how these new homes and street behind have changed the dynamics of nature on our road and wooded properties of Hill Dr.

The current project seems outdated and needs new research and facts about how this major road will impact the environment, including air pollution, noise, light pollution, and the safety of our community. Please listen to residents' concerns and respond with valid and factual answers. Last night when asking some of these questions, we felt we were given scripted answers by the few leaders that spoke to us. This project needs to be done right for the future of Owatonna.

Thank you,

A[redacted] F[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Noise Analysis Deficiencies / Procedural Compliance

[redacted] Sat, Dec 13, 2025 at 6:09 PM
To: ronald.gaines@steelecountymn.gov
Cc: "FHWA, Minnesota (FHWA)" <Minnesota.FHWA@dot.gov>, "Env Review (EQB)" <Env.Review@state.mn.us>, eqb.assistance@state.mn.us, "Cabral Neto, Fausto (DOT)" <fausto.cabral@state.mn.us>, "Paulson, Gregory (He/Him/His) (DOT)" <greg.paulson@state.mn.us>
Bcc: owatonnaeastsidecorridor@gmail.com

Dear Mr. Gaines,

I am submitting the attached EAW comment regarding the East Side Corridor / 29th Avenue project, focused specifically on **noise impacts** and **procedural compliance** under **MEPA, NEPA, and FHWA regulations**.

This comment identifies fundamental deficiencies in the Environmental Assessment Worksheet, including the absence of required noise modeling, failure to disclose absolute and relative noise levels, mischaracterization of nonfunctional measures as mitigation, and failure to evaluate avoidance and minimization. These omissions prevent informed public review and preclude a lawful finding of no significant environmental impact.

Additionally, it is important to note that on **November 24, 2025**, Administrative Law Judge **Moseng** issued a ruling finding that Steele County **substantially violated the Minnesota Government Data Practices Act (MGDPA)** by denying residents meaningful access to project-specific public data. The ruling imposed the **maximum civil penalty**, ordered **full compliance**, and awarded **court costs**. The ALJ specifically ruled that the County **improperly responded to residents' requests for noise studies**, confirming that these requests were valid and that responsive data exists. Despite this ruling, the County continues to deny access to this noise-related data.

Following the ruling, the County made an attempt to provide data; however, the manner in which the data was provided has rendered it effectively unusable. Basic software necessary to inspect records was removed, data formats are inconsistent, and a substantial portion of previously accessible records (approximately **1,800+ records**) is now missing. As a result, residents currently have **no meaningful access to project-related public data**, including emails and records intended for use during the EAW comment period.

This lack of functional access directly impairs residents' ability to meaningfully participate in the environmental review process, contrary to **MEPA and NEPA public participation requirements**. This context is directly relevant to the noise analysis deficiencies identified in the attached comment, as the inability to review underlying data further undermines informed public review.

Because the Project **involves** federal funding, federal approvals, and State Aid eligibility, and because the identified deficiencies implicate **systemic compliance issues** rather than a localized technical correction, this correspondence is being copied to relevant oversight agencies for awareness. This is not a request for immediate intervention, but rather notice that material issues affecting environmental disclosure and regulatory compliance have been formally raised during the EAW comment period.

The attached comment is intended to ensure the administrative record accurately reflects these concerns and to preserve the integrity of the environmental review process as required by **Minn. R. ch. 4410**, **23 CFR 772**, and applicable NEPA guidance.

Please confirm receipt and inclusion of this email, the attached EAW comment, and the November 24, 2025 Administrative Law Judge ruling in the official EAW record.

Sincerely,
M[redacted] Z[redacted]
Owatonna, MN
Directly impacted resident

2 attachments

EAW_Comment_Noise_Completeness_EIS_Request_Zimmerman.pdf
150K

FindingsofFactConclusionsofLawandOrderCAH22-0305-40882.pdf
190K

Date: December 12, 2025

Submitted to:
Ronald Gaines – Steele County Responsible Governmental Unit (RGU)

Re: Environmental Assessment Worksheet (EAW) – East Side Corridor / 29th Ave Project

The EAW's treatment of noise impacts is incomplete, misleading, scientifically inaccurate, and legally noncompliant under MEPA, NEPA, FHWA regulations, and Minnesota Rules Chapter 4410. The document fails to disclose the magnitude of noise increases for homes located as close as 17 feet from the proposed right-of-way and substitutes ornamental landscaping for legitimate, federally recognized noise mitigation. This constitutes a fundamental defect in environmental review.

The EAW inaccurately suggests that berms, boulevard trees, and 6-foot residential fences may be used as "noise mitigation." This assertion is demonstrably false. MnDOT guidance and FHWA's *Highway Traffic Noise: Analysis and Abatement Guidance* state unequivocally that vegetation and landscaping do not provide meaningful noise reduction and that effective barriers must be continuous, solid, and sufficiently tall to block the line of sight between noise sources and receptors. Trees, shrubs, and standard residential fencing provide approximately 0–1 dBA of noise reduction—far below the 7–10 dBA minimum required for a perceptible change—and are wholly insufficient to address a noise increase exceeding 30 dBA. MnDOT further states that measurable noise reduction using vegetation would require at least 100 feet of dense evergreen trees approximately 15 feet tall, along with long-term maintenance. Presenting decorative vegetation or residential fencing as mitigation is scientifically indefensible and materially misrepresents environmental effects, in violation of Minn. R. 4410.1400.

Because the Project uses federal funding, involves federal decision-making, and requires federal approvals, FHWA noise regulations (23 CFR 772) apply. These regulations require: (1) Traffic Noise Model (TNM) analysis of existing and future noise levels; (2) identification of all impacted receptors; (3) disclosure of absolute and relative noise changes; (4) evaluation of reasonable and feasible noise barriers; (5) analysis of avoidance and minimization; and (6) meaningful public involvement in noise mitigation decisions. The EAW includes none of these required elements. It does not provide TNM modeling, does not disclose receptor counts, does not present predicted decibel levels, does not evaluate noise walls, and does not analyze avoidance or minimization. This constitutes a categorical violation of NEPA and 23 CFR 772.

FHWA guidance further makes clear that adverse noise impacts are not limited to exceeding Noise Abatement Criteria (NAC) thresholds. FHWA recognizes that substantial increases in traffic noise—defined as increases of approximately 5 dBA—may constitute adverse impacts even when NAC levels are not exceeded. The County's own prior noise analysis indicates that noise levels may increase from approximately 20 dBA under existing rural-residential conditions to approximately 55 dBA under the proposed roadway. A 30–35 dBA increase represents an

eight- to sixteen-fold increase in perceived loudness and is widely recognized as causing sleep disturbance, adverse cardiovascular effects, impaired learning outcomes in children, and degradation of both indoor and outdoor residential environments. The EAW fails to disclose this magnitude of change, a material omission that violates MEPA's requirement for accurate and complete environmental disclosure.

The EAW further states that local governments are "required to take reasonable measures to prevent the approval of land use activities that would violate state noise standards," while simultaneously asserting exemption from those standards. This internally contradictory interpretation misrepresents statutory obligations and local responsibility. Even where MPCA Rule 7030 operational limits may not apply, MEPA still requires disclosure, quantification, and mitigation of noise impacts. No exemption authorizes the County or City to disregard human health impacts or applicable noise analysis requirements.

The Project introduces high-speed, high-volume traffic immediately adjacent to an existing residential neighborhood, resulting in disproportionate noise, health, and safety impacts on a vulnerable population, including children, elderly residents, and medically susceptible individuals. The EAW fails to evaluate the severity of these human health impacts or assess whether they constitute disproportionately high and adverse effects, as required under MEPA's consideration of the human environment.

Additionally, proposing homeowner-maintained fencing as "mitigation" improperly shifts the burden of environmental harm from a public infrastructure project onto impacted residents. Mitigation for a public roadway must be provided and maintained by the project sponsor. This approach raises serious equity and civil-rights concerns and further demonstrates the Project's failure to avoid or adequately mitigate harm.

Because the EAW:
(1) fails to provide required noise modeling;
(2) omits disclosure of absolute and relative noise levels;
(3) relies on nonfunctional landscaping measures as "mitigation";
(4) fails to evaluate avoidance or minimization;
(5) disregards MnDOT and FHWA noise guidance;
(6) misstates local agency obligations; and
(7) fails to fully evaluate disproportionate human health impacts,

the environmental review is incomplete, inaccurate, and legally deficient under Minn. R. 4410.1400 and 23 CFR 772. **A full Environmental Impact Statement (EIS) is required.**

M[redacted] Z[redacted]
Owatonna, MN
Directly impacted resident

MINNESOTA
COURT OF ADMINISTRATIVE HEARINGS

Court of Administrative Hearings
PO Box 64620
Saint Paul, MN 55164-0620
651-361-7900
mn.gov/cah/

November 24, 2025

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VIA EMAIL ONLY
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Re: ***In the Matter of Owatonna East Side Corridor Residents c/o Matt Sennott & Melissa Zimmerman vs Steele County***
CAH 22-0305-40882

Dear Parties:

Enclosed and served upon you please find the **FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER** in the above-entitled matter. The Court of Administrative Hearings' file in this matter is now closed.

If you have any questions, please contact me at (651) 361-7970, cara.hunter@state.mn.us, or via facsimile at (651) 539-0310.

Sincerely,

CARA HUNTER
Legal Assistant

Enclosure

cc: Docket Coordinator
Tamar Gronvall

CAH 22-0305-40882

STATE OF MINNESOTA
COURT OF ADMINISTRATIVE HEARINGS

In the Matter of Owatonna East Side Corridor Residents c/o Matt Sennott & Melissa Zimmerman vs. Steele County	**FINDINGS OF FACT, CONCLUSIONS OF LAW, AND ORDER**

This matter came before Administrative Law Judge Christa L. Moseng for a hearing on October 10, and 17, 2025. The first day of the hearing took place remotely and exclusively involved procedural matters. The second day of the hearing took place at the Steele County Administration Building, 630 Florence Avenue, Owatonna, Minnesota. Both parties filed written closing arguments on November 7, 2025, at which time the hearing record closed.

Owatonna East Side Corridor Residents c/o Matt Sennott & Melissa Zimmerman (Complainants) appeared on their own behalf and without counsel. Mary Haasl and Margaret Skelton, Ratwik, Roszak & Maloney, P.A., appeared on behalf of Steele County (Respondent or County).

On May 30, 2025, Complainants filed a Data Practices Complaint (Complaint) with the Court of Administrative Hearings alleging that the County violated the Minnesota Government Data Practices Act (MGDPA or Act).[1] On June 3, 2025, the undersigned issued an order requiring Complainants to file an amended version of the large exhibit attachment to the Complaint limited to MGDPA claims, serve a copy on the County, and stayed the County's response deadline until the amended attachment were served on the County.[2]

Complainants filed amended attachments to the Complaint on June 17, 2025.[3] Complainant served the MGDPA Complaint and amended supporting evidence on the County on July 16, 2025.[4] The County filed a request for an extension of their response deadline on July 25, 2025.[5] The Judge granted the County an extension of seven days for its response, and the County timely filed an Answer to the Complaint on August 15, 2025.[6]

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[1] Minn. Stat. §§ 13.01–.99 (2024).
[2] Order Ensuring Expeditious Service of Complaint Under Minn. Stat. § 13.085, subd. 2(d) (Jun. 3, 2025) (a more detailed discussion of the procedural posture is included in the attached Memorandum).
[3] Complaint and amended supporting evidence (June 17, 2025).
[4] Complainant Affidavit of Service (Jul. 18, 2025).
[5] Motion to Extend Deadline to File a Response (Jul. 25, 2025).
[6] Order Granting Extension for Time to File a Response (Aug. 1, 2025); Notice of Motion and Motion to Dismiss (Aug. 15, 2025).

On September 15, 2025, the Judge determined that Complainant's claims against Respondent for violations of Minn. Stat. § 13.03, subd. 2(a) and 3 were supported by probable cause and would proceed to a hearing.[7]

Complainant's exhibits 1-44 were received into evidence. Respondent's exhibit marked 100, with attachments marked 100A-100K, was received into evidence.

STATEMENT OF THE ISSUES

1. Did Respondent violate Minn. Stat. § 13.03, subd. 3, by charging a fee in response to a request to inspect public government data?

2. Did Respondent violate Minn. Stat. 13.03, subd. 2(a) by failing to put in place procedures that ensured prompt and appropriate responses to requests for public data?

3. If so, what remedy is appropriate to address the violation(s)?

SUMMARY OF CONCLUSIONS

Respondent violated Minn. Stat. § 13.03, subd. 3 by informing Complainants, who requested access to government data for purposes of inspection only, that payment of a $0.25 fee for any photographs taken of the data was required. The County admitted it violated the MGDPA and has remedied the violation by eliminating this procedure.

Respondent's procedure of addressing multiple requests for government data from a single requestor exclusively in the order in which those requests were received violated Minn. Stat. § 13.03, subd. 2(a), because it resulted in responses to requests that were not prompt, as required by statute. The County has remedied this by moving to a more flexible procedure that allows smaller data requests to be handled more rapidly.

Respondent's procedure for responding to requests submitted to the Responsible Authority resulted in multiple inappropriate responses to data requests in violation of Minn. Stat. § 13.03, subd. 2(a).

Based on the record and pursuant to Minn. Stat. §§ 13.085, subd. 5(a)(3) and (b), a $300 civil penalty is assessed against the County.

The Complainants have substantially prevailed in this matter. Under Minn. Stat. § 13.085, subd. 6(c), $950 of their original filing fee will be refunded and the County will be billed for the Court's costs in conducting this matter, up to a maximum of $1000.[8]

Based on the evidence in the hearing record, the Judge makes the following:

[7] Notice of Probable Cause Determination and Order for Prehearing Conference (Sep. 19, 2025).
[8] Minn. Stat. § 13.085, subd. 6(c).

FINDINGS OF FACT

I. Background

1. Steele County is located in Southeastern Minnesota and contains both the City of Owatonna and Owatonna Township within its borders.[9] The County is involved in an ongoing infrastructure project known as the East Side Corridor Project (ESC Project or Project).[10]

2. The goal of the ESC Project is to build a new road along the eastern edge of the City of Owatonna, largely within Owatonna Township.[11] The project aims to reroute traffic out of the city center and onto this new road.[12]

3. Residents who live near the proposed location of the new road have organized to advocate and provide input regarding the ESC Project.[13]

4. Complainants made multiple requests to the County for government data in connection with the ESC Project under the MGDPA.[14]

5. Robert Jarrett (County Attorney Jarrett) is the County Attorney in Steele County, the Responsible Authority for the County under the MGDPA, and the County's Data Practices Compliance Officer.[15] Renae Fry (County Administrator Fry) is the Steele County Administrator and is the formal Designee under the MGDPA for the County's Administration department.[16]

6. The County's MGDPA procedures and guidelines were formally updated by the Steele County Board on August 12, 2025.[17] Prior to that, the last update to the MGDPA procedures and guidelines took place on August 1, 2019.[18] The MGDPA procedures and guidelines form an "overarching policy" for data practices in Steele County.[19]

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[9] *See* Steele County Demographics and Geography, https://www.steelecountymn.gov/visitors/about_steele_county/facts_and_figures.php (last visited Nov. 17, 2025).
[10] *See* Exhibit (Ex.) 9.
[11] Ex. 13 at ESC-67.
[12] Ex. 43 (Showing a local news report discussing the overall purpose of the East Side Corridor Project as well as responses from the public to it.).
[13] *See* Ex. 45; *and* Complaint at 3 (May 30, 2025) (The two named Complainants, Matt Sennott and Melissa Zimmerman "are representing a group of 60 (i.e. East Side Corridor Residents) residents and 500+ petition signers who support our cause of getting access to public data via our data request(s).").
[14] *See, e.g.* Steele County's Post-Hearing Brief at 1 (Nov. 7, 2025) ("Steele County ("County") received eleven data requests and one preservation request under the Minnesota Government Data Practices Act ("MGDPA") from Complainants Matt Sennott, Melissa Zimmerman, and the Owatonna East Side Corridor Residents (hereinafter, "Complainants") from October 2024 through July 2025.").
[15] Ex. 100A at 33; Ex. 37 at ESC-278.
[16] Ex. 100A at 33; Ex. 37 at ESC-278.
[17] Test. Fry; Ex. 38 at ESC-244.
[18] Ex. 100B; Ex. 37 at ESC-196.
[19] Testimony of Renae Fry (Test. Fry).

7. Under the August 12, 2025 procedures, data requests made to the County are first routed to County Administrator Fry, who determines whether they can be answered solely with public-facing or other easily accessible data, or if further work with specific departments or staff will be necessary.[20] If a request involves only easily accessible or public facing documents, County Administrator Fry can often complete the request entirely on her own.[21]

8. More complicated requests, on the other hand, require coordinating with other departments, in particular the information technology (IT) Department.[22] The County Attorney's office is also involved in reviewing data requests to ensure coordinated, uniform responses and to review for private or otherwise non-public data.[23]

9. Currently, the IT Department employs four people, though one is assigned full-time to supporting the MNPrairie Human Services organization.[24] The County IT Department is involved in data requests because the County uses Microsoft Onedrive for backups of its government data.[25]

10. Onedrive is a "cloud-based storage tool" used to create a backup of "anything that is generated electronically within the county."[26] Every County employee has an account on Onedrive. This results in a massive database, but access to that data is limited such that each employee can access only the data needed for their work.[27] In order to search for government data across multiple, or all, individual accounts, assistance from the IT Department is required.[28]

11. The IT Department is able to perform keyword searches in order to create a pool of possibly-responsive data for a given data request.[29] This data must then be reviewed by County Administrator Fry or the County Attorney's office in order to ascertain (1) whether it is, in fact, responsive to the request in question and (2) whether it contains any data that cannot be provided under law.[30]

12. The County's policy was to require a fee of $.25 for every copy of a document a requester made, including creating the copy with their own camera.[31][32]

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[20] Test. Fry.
[21] Test. Fry.
[22] Test. Fry.
[23] Test. Fry.
[24] Test. Fry.
[25] Test. Fry.
[26] Test. Fry.
[27] Test. Fry.
[28] Test. Fry.
[29] Test. Fry.
[30] Test. Fry.
[31] The County admitted that telling requestors it would charge a fee for taking photographs of government data violated Minn. Stat. § 13.03, subd. 3.
[32] *Also see* Steele County's Post-Hearing Brief at 3 (discussing the fact that the County had already conceded the violation on this issue).

II. Requests for Data and Responses at Issue

A. ESC Communications Request

13. On October 25, 2024, Complainants requested from the County the following data:

> Any and all email correspondence since 2019 related in any way to the East Side Corridor (ESC) Project, 29th Ave, East Beltline study, and infrastructure on the E. Side of Owatonna, going to, from and between:
>
> - County commissioners
> - County staff
> - City council members
> - City staff
> - 3rd parties (including but not limited to WSB)
> - To and from any of the above and members of the public
>
> In addition, please provide any and all documents, studies, and information related to the East Side Corridor (ESC) project, 29th Ave, East Beltline study, and infrastructure on the E. Side of Owatonna *not currently (as of today) on the public-facing county website:* https://eastsidecorridor-wsbeng.hub.arcgis.com/
>
> This would include but is not limited to information used in determining the purpose and need for the East Side Corridor, 29th Ave East beltline study and infrastructure on the E. Side of Owatonna. Also, any information and documentation related to commercial developments in the area of the proposed East Side Corridor "preferred route" and "study area". This also includes any and all email correspondents[sic] between City and county officials, staff and third parties.[33]

14. Initial responses to this request from the County estimated that it "will likely need several weeks to assemble everything."[34] As a result, the parties organized that the October 25, 2024, data request would have rolling partial responses from the County, based on priorities set by the Complainants.[35]

15. The IT Department's initial searches for relevant data generated over 7600 items that required further review.[36] As of the October 2025 hearing dates, just over a year after the October 25, 2024 data request, rolling partial releases of responsive data

[33] Ex. 1 at ESC-1 - ESC-2.
[34] Ex. 27 at ESC-167.
[35] *See* Exs. 26-27.
[36] Ex. 26 at ESC-158.

by the County continue.[37] To date three releases of data have been completed by the Respondent.[38]

16. There has been conflict and confusion between the parties over multiple aspects of these reviews. These issues have included technical issues with the computers and software used to review the data and conflict over scheduling, availability, and locations for the reviews.[39]

17. These issues have stemmed from factors outside of either parties' control – such as technical issues with software or computers – or from confusion or miscommunication regarding dates, times, and places.[40]

B. Engineering Service Proposals Data Request

18. On January 13, 2025, Complainants requested:

> copies of the professional engineering service proposals for the East Side Corridor. These proposals should have been included in the commissioners' board meetings packet which is available online for the 12/14/2021 meeting, as is standard for all other projects. However, they appear to be missing.[41]

19. On January 16, 2025, County Attorney Jarrett informed Complainants that their request was ready to be picked up at the County Attorney's Office or via electronic delivery, and that the cost of the copies would be $12.50 for 50 pages total.[42]

20. Complainants paid the County $12.50 on January 22, 2025.[43]

C. Joint Transportation Committee Request

21. On January 31, 2025, Complainant Melissa Zimmerman emailed County Administrator Fry stating that she was "looking for the meeting minutes from the Joint Transportation Committee meeting referenced in the board meeting minutes."[44] After determining that County Administrator Fry was out of the office until February 10, 2025, and contacting another County staff member, her email was forwarded to County Attorney Jarrett.[45]

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[37] Test. Fry.
[38] Test. Fry.
[39] Testimony of Melissa Zimmerman (Test. Zimmerman); Testimony of Matthew Sennott (Test. Sennott); Test. Fry; *See generally* Exs. 26-28 (showing a large number of emails between the parties attempting to negotiate and coordinate the timelines and data inspections involved in this request).
[40] Test. Zimmerman; Test. Sennott; Test. Fry.
[41] Ex. 2 at ESC-7.
[42] Ex. 2 at ESC-8 – ESC-9.
[43] Ex. 100H.
[44] Ex. 3 at ESC-14; Ex. 100C.
[45] Ex. 3 at ESC-12-13; Ex. 100C.

22. On February 4, 2025, County Attorney Jarrett replied stating in relevant part that 1) "[f]rom this point forward, please direct any requests for documents/questions regarding the East Side Corridor to only myself and [County Administrator]. Fry. We will track the requests, provide data in the order it was requested, and in compliance with the Chapter 13 Government Data Practices Act" and 2) "Related to your request below for 'Joint Transportation Committee' minutes, Steele County does not maintain those minutes, so therefore does not have the minutes to provide you."[46]

23. On March 31, 2025, Complainant Zimmerman sent the County a second data request relating to the "Joint Transportation Committee."[47] The form stated:

> I am requesting any and all information regarding the Joint Transportation Committee including but not limited to:
> When was it created?
> Why was it created?
> Who created it?
> What is its purpose?
> What are the by-laws or operating procedures?
> How many members?
> Member names and terms?
> When does it meet?
> Attendance Information?
> What projects and initiatives has it worked on?
> Financial information and budget impacts?
> Committee's charter or purpose and any amendments?
> Minutes, Agendas, Files, Accounts, and any other documents that a governmental body is required to maintain?
>
> And any other information that may pertains[sic] to the Joint Transportation Committee.[48]

24. On April 1, 2025, County Attorney Jarrett replied by email, stating: "This is not a data request. Minnesota Statutes Chapter 13, the Minnesota Government Data Practices Act (MGDPA), requires government entities to allow the public to view or obtain copies of government data. Chapter 13 does not require government entities to answer specific questions, to create data, or to reorganize data into a particular format in order to answer questions. This request will be closed."[49]

25. On April 2, 2025, Complainant Zimmerman sent the County another data request form that was identical to the March 31, 2025, request, except all question marks had been deleted.[50]

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[46] Ex. 3 at ESC-12; Ex. 100C.
[47] Ex. 3; Ex. 100D.
[48] Ex. 3; Ex. 100D.
[49] Ex. 100E
[50] *Compare* Ex. 5 at ESC-17 – ESC-18 *with* Ex. 3 at ESC-10 – ESC-11.

26. On April 8, 2025, County Administrator Fry observed Complainant Zimmerman in conversation with County Commissioner Krueger.[51] County Administrator Fry heard Commissioner Krueger explain to Complainant Zimmerman that the Joint Transportation Committee was "not a body of Steele County, it is not a committee where there is a quorum present of either Steele County Board members or City of Owatonna City Council members."[52]

27. On April 10, 2025, and April 14, 2025, Complainant Zimmerman followed up with County Attorney Jarrett by email, requesting confirmation of receipt or updates regarding the April 2, 2025 data request.[53]

28. On April 18, 2025, Complainant Zimmerman sent a third copy of the data request to both the County and the Administrator of the City of Owatonna. It was identical to the April 2, 2024, request, and the form explicitly noted that it was a resubmission of the prior request.[54]

29. County Attorney Jarrett did not reply to any of Complainant Zimmerman's follow up emails because he did not believe they were proper data requests, but rather sought answers to questions. Moreover, Jarrett "had already informed Complainant Zimmerman that the County did not maintain data on the Joint Transportation Committee."[55]

D. Noise Studies Data Request

30. On April 2, 2025, Complainant Zimmerman sent another request for data to the County, stating:

> I am requesting copies for inspection of all noise studies conducted for the East Side Corridor (ESC) project that were initiated on or after January 1, 2020. This includes, but is not limited to, initial assessments, updated analyses, modeling data, and any related reports or documentation. Please provide both draft and final versions, along with any supporting materials used in these studies.[56]

31. Complainant Zimmerman followed up on the request with County Attorney Jarrett by email on April 10, and April 14, 2025.[57]

[51] Test. Fry.
[52] Test. Fry.
[53] Ex. 5 at ESC-19 – ESC-20.
[54] Ex. 100D; Test. Fry (identifying the City of Owatonna official who received the data request).
[55] Ex. 100 at 5.
[56] Ex. 100F; Ex. 6 at ESC-22.
[57] Ex. 100G; Ex. 6 at ESC-23 – ESC-24.

32. The County looked for responsive data by having Paul Sponholtz, a county engineer who was familiar with the East Side Corridor Project, search through emails and records.[58]

33. On April 18, 2025, County Attorney Jarrett replied that "[t]he county does not have any studies or documents related to a noise study for the east side corridor at this time. Since no such data exists at this time, this data request will be closed."[59]

34. Complainant Zimmerman responded by email noting that public statements about relevant noise studies had been made by the County in the past and requesting further review for relevant data.[60] The County provided no response to the follow up email.[61]

E. Transfer of Federal Funds Request

35. On April 9, 2025, Complainants sent a data request to the County requesting to inspect:

> Any and all information relating to the transfer of federal funds from the ESC to the Main St Project. This includes all documentation, emails, written correspondence, text messages, government records, audio or video recordings, and any other data related to the transfer of these funds. Person of correspondence may include but are not limited to ATP members, Paul Sponholtz, Sean Murphy, and County Commissioner, City council, County Administrator, and City Administrator.[62]

36. On April 10, 2025, at 7:41 a.m., County Attorney Jarrett replied via email saying "Received. We begin this following the general ESC requests which is still pending. I suspect it will be several months, likely this fall, before it is ready."[63]

37. At 8:24 a.m. on that same day, County Attorney Jarrett mistakenly sent a second email to Zimmerman. The email was regarding a different data request, and so indicated to Zimmerman that Jarrett had changed his mind on the request for data on the transfer of federal funds. The message stated:

> Ms. Zimmerman, This is not a data request as it is vague and calls for answers to questions. Minnesota Statutes Chapter 13, the Minnesota Government Data Practices Act (MGDPA), requires government entities to allow the public to view or obtain copies of government data. Chapter 13 does not require government entities to answer specific questions, to create

[58] Test. Fry.
[59] Ex. 100G; Ex. 6 at ESC-23.
[60] Ex. 6 at ESC-23.
[61] Ex. 100 at 6.
[62] Ex. 7 at ESC-25; Ex. 100I.
[63] Ex. 7 at ESC-31; Ex. 100J.

data, or to reorganized data into a particular format in order to answer questions.[64]

County Administrator Fry was included as a recipient on this email.[65]

38. Ms. Zimmerman replied to the second email at 8:53 a.m., stating "No, this is absolutely not vague, and there is no ambiguity whatsoever in this request. Just moments ago, you confirmed it was accepted – what changed? This data request is detailed, precise, and explicitly cites the applicable law. You are required to cite the exact provision of Minnesota Chapter 13 that you claim this request fails to meet."[66] Neither this email nor a second follow up about this data request sent on April 14, 2025, received a reply.[67]

39. County Attorney Jarrett did not realize the mistake had been made until a meeting with the County's representation in this case shortly before the hearing.[68]

40. The County has not provided the data requested to the Complainants.[69]

F. County Codes and Policies Data Request

41. On May 6, 2025, Complainants sent the County a data request form requesting inspection of:

1. Any current Code of Conduct applicable to county officials, employees, or board/commission members.

2. Any adopted Code of Ethics governing the actions and responsibilities of county personnel or officials.

3. Steele County's Conflict of Interest Policy for elected officials, employees, and appointed representatives.[70]

It also stated that "If these documents are already available online, a link to them would be appreciated. Otherwise please provide electronic copies."[71]

42. On May 8, 2025, County Attorney Jarrett replied by email stating "[r]eceived. This will be added to the current list of requests made by your group. Estimated this fall/winter."[72]

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[64] Ex. 7 at ESC-33.
[65] Ex. 7 at ESC-33.
[66] Ex. 7 at ESC-32.
[67] Ex. 7 at ESC-32;
[68] Test. Fry.
[69] Test. Fry.
[70] Ex. 11 at ESC-50.
[71] Ex. 11 at ESC-50.
[72] Ex. 11 at ESC-55.

43. On September 30, 2025, County Attorney Jarrett replied again by email, with several attachments. Jarrett stated that the attachments to his email were the County's full reply to the request, and that it would now be closed.[73] No charge was assessed for the digital copies.[74]

G. Communications with Township Data Request

44. Complainants sent another data request to the County on May 6, 2025.[75] This request was for:

> Any and all correspondence, meeting notes, emails, letters, or other communications between Steele County and any township or township officials regarding the East Side Corridor (ESC) project or related annexation matters. This includes, but is not limited to:
>
> - Objections or concerns raised by township representatives
> - Records of township approvals, statements of support, or formal positions
> - Internal or external memos discussing township responses
> - Any documentation regarding the orderly annexation agreement, including discussions related to specific parcels
> - Documentation and notes from any meetings occurring with the township
>
> The timeframe for this request is from January 1, 2021, to the present. Please advise if these records are available electronically or if any estimated costs would apply for physical copies. I am willing to clarify or narrow the scope as needed to facilitate a prompt response.[76]

45. On May 8, 2025, County Attorney Jarrett emailed: "Received. This will be added to the current list of requests made by your group. Estimated this fall/winter."[77]

46. The County has not provided the data requested to Complainants.[78]

H. Truck Traffic Data Request

47. On May 29, 2025, Complainants sent a data request to the County requesting:

> 1. Any and all traffic studies, reports, or raw traffic count data for Shady Avenue and Crestview Lane NE, with a particular focus on truck

[73] Ex. 11 at ESC-56 – ESC-57; Ex. 100K.
[74] *Id*.
[75] Ex. 12.
[76] Ex. 12 at ESC-58 – ESC-59.
[77] Ex. 12 at ESC-63;
[78] Test. Fry.

traffic volumes (e.g. counts, classifications, or percentages of heavy vehicles) currently using these roads. Please include the most recent data available, as well as historical data if relevant for comparison.

2. Any projections, Impact analyses, or modeling related to the East Side Corridor (ESC) that estimate or forecast how truck traffic on Shady Ave and Crestview Ln NE would be reduced or diverted if the ESC is built. This includes traffic modelling results, assumptions used, summary tables, and visualizations or GIS data if available.

3. If no such analysis exists regarding projected truck traffic reduction due to the ESC on these roads, please provide documentation showing that the roads were considered (or not considered) in the ESC traffic impact modeling.[79]

48. County Attorney Jarrett confirmed receipt via email on the same day, stating "We received the data request. We have several ESC requests pending, so this will be added to the pending requests. If the data exists, it will not be completed until this fall due to current volume of requests."[80]

49. On June 10, 2025, County Attorney Jarrett sent Complainants a full response to the May 29, 2025, data request, which said:

> We do not have any documentation related to this data request. As such, the request will be closed.
>
> A response from Paul:
>
> All we have is staff recollection of numerous phone calls of complaints over the years, and comments received from the public during the East Side Corridor public meetings. Also, I reviewed the state traffic counts, they don't show anything on their website traffic mapping application.
>
> Paul Sponholtz, P.E. | County Engineer.[81]

50. Any Conclusion of Law more properly designated as a Finding of Fact is incorporated herein.

51. Any portion of the accompanying Memorandum that is more properly considered a Finding of Fact is incorporated herein.

Based on these Findings of Fact, the Judge makes the following:

[79] Ex. 15 at ESC-76.
[80] Ex. 15 at ESC-82.
[81] Ex. 15 at ESC-81.

CONCLUSIONS OF LAW

1. Minn. Stat. § 13.085 authorizes the Administrative Law Judge to consider this matter and determine whether a violation of the MGDPA[82] occurred.

2. The Court of Administrative Hearings has complied with all procedural requirements under Minn. Stat. § 13.085. Both parties had proper notice of the hearing and an opportunity to be heard.

3. The decision record comprises all evidence and argument submitted until the hearing record closed.[83]

4. Requests for data and associated responses that took place after the Complaint was filed in this matter are beyond the scope of these proceedings.[84]

5. The MGDPA "regulates the collection, creation, storage, maintenance, dissemination, and access to government data in government entities."[85]

6. "Government data" means "all data collected, created, received, maintained or disseminated by any government entity regardless of its physical form, storage media or conditions of use."[86]

7. Respondent is a "government entity" subject to the requirements of the MGDPA.[87]

8. The MGDPA provides that all government data collected, created, or maintained by a government entity shall be public unless classified by statute or federal law as nonpublic or protected nonpublic, or with respect to data on individuals, as private or confidential.[88]

9. A "responsible authority" is a designated individual within a government entity responsible for the collection, use, and dissemination of government data.[89] A "designee" is "any person designated by a responsible authority to be in charge of individual files or systems containing government data and to receive and comply with requests for government data."[90]

10. Government entities and their responsible authority have an obligation to regularly update their written data access policies "no later than August 1 of each year,

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[82] Minn. Stat. §§ 13.01–.991.
[83] Minn. Stat. § 13.085, subd. 4(b).
[84] Minn. Stat. § 13.085, subd. 5(a) (limiting the Judge's final determination following an evidentiary hearing to violations "alleged in the complaint.").
[85] Minn. Stat. § 13.01, subd. 3.
[86] Minn. Stat. § 13.02, subd. 7.
[87] Minn. Stat. §§ 13.01, subd. 1, .02, subd. 7a.
[88] Minn. Stat. § 13.03, subd. 1.
[89] Minn. Stat. § 13.02, subd. 16.
[90] Minn. Stat. § 13.02, subd. 6.

and at any other time as necessary to reflect changes in personnel, procedures, or other circumstances that impact the public's ability to access data."[91]

11. Upon request, a responsible authority or designee shall permit a person to inspect and copy public government data at reasonable times and places. If access to public data is requested for purposes of inspection the responsible authority cannot assess a charge or fee for that inspection.[92]

12. The responsible authority in every government entity "shall establish procedures . . . to insure that requests for government data are received and complied with in an appropriate and prompt manner."[93]

13. In responding to requests for data, "when the procedures are followed and the requested data are not made available appropriately or promptly, the 'established procedures' do not *insure* that government data are properly available."[94] A single inappropriate or not prompt response is sufficient to support a violation of the MGDPA.[95]

14. Complainants bear the burden of proof to establish by a preponderance of the evidence that Respondent violated the MGDPA.[96]

15. The County's procedure of charging an individual who requested access to public data for purposes of inspection a fee should the individual take any photos of the data violated Minn. Stat. § 13.03, subd. 2(a).

16. The County's procedure of addressing requests for government data exclusively in the order in which they were received resulted in responses to the Complainants' requests for public data to not be promptly and appropriately complied with, in violation of Minn. Stat. § 13.03, subd. 2(a).

17. The County provided Complainants with inappropriate responses to requests for government data in violation of Minn. Stat. § 13.03, subd. 2(a) on two occasions.

18. Where the Judge has determined that a violation of the MGDPA occurred, they must take at least one of the following actions:

(1) impose a civil penalty against the respondent of up to $300;

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[91] Minn. Stat. § 13.025, subd. 2.
[92] Minn. Stat. § 13.03, subd. 3(a).
[93] Minn. Stat. § 13.03, subd. 2(a).
[94] *Webster v. Hennepin Cnty.*, 910 N.W.2d 420, 431 (Minn. 2018).
[95] *Webster*, 910 N.W.2d 420.
[96] Minn. R. 1400.7300, subp. 5 (2025). Under Minn. Stat. § 13.085, subd. 5(d), proceedings on a data practices complaint are not a contested case under Minn. Stat. ch. 14; however, the Administrative Law Judge determines that Minn. R. 1400.7300, subp. 5, articulates the correct burden of proof for a data practices case as no other standard is identified in Minn. Stat. § 13.085.

(2) issue an order compelling the respondent to comply with a provision of law that has been violated, and may establish a deadline for production of data, if necessary; and

(3) refer the complaint to the appropriate prosecuting authority for consideration of criminal charges.[97]

19. In determining whether to assess a civil penalty, this tribunal must consider whether the governmental entity has substantially complied with general data practices, including but not limited to, whether the governmental entity has:

(1) designated a responsible authority under Minn. Stat. § 13.02, subd. 16;

(2) designated a data practices compliance official under Minn. Stat. § 13.05, subd. 13;

(3) prepared the data inventory that names the responsible authority and describes the records and data on individuals that are maintained by the government entity under Minn. Stat. § 13.025, subd. 1;

(4) developed public access procedures under Minn. Stat. § 13.03, subd. 2; procedures to guarantee the rights of data subjects under Minn. Stat. § 13.025, subd. 3; and procedures to ensure that data on individuals are accurate and complete and to safeguard the data's security under Minn. Stat. § 13.05, subd. 5;

(5) acted in conformity with an opinion issued under Minn. Stat. § 13.072 that was sought by a government entity or another person; or

(6) provided ongoing training to government entity personnel who respond to requests under this chapter.[98]

20. Based on the record, the factors in Minn. Stat. 13.08, subd. 4(b) listed above and for the reasons discussed in the attached memorandum, the Judge concludes that a civil penalty of $300 is appropriate.

21. The Complainants in this matter have substantially prevailed. As a result, the Court of Administrative Hearings must refund the filing fee in full, less $50, and the Court's costs in conducting the matter are billed to the respondent, not to exceed $1,000.[99]

22. Any Finding of Fact more properly considered to be a Conclusion of Law is adopted herein.

23. Any portion of the accompanying Memorandum that is more properly considered to be a Conclusion of Law is incorporated herein.

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[97] Minn. Stat. § 13.085, subd. 5(a).
[98] Minn. Stat. §§ 13.08, subd. 4(b), .085, subd. 5(b).
[99] Minn. Stat. § 13.085, subd. 6(c).

Based upon these Conclusions of Law, and for the reasons explained in the accompanying Memorandum, the Judge makes the following:

ORDER

1. Pursuant to Minn. Stat. § 13.085, subd. 5(a)(4), the County must maintain procedures that ensure appropriate responses to data requests, and in so doing:

   a. Ensure appropriate ongoing communication with the public about pending data requests; and,

   b. Mitigate or avoid circumstances where the Responsible Authority, or a Designee, are, in practice or effect, the only check on their own errors, misunderstandings, or miscommunications.

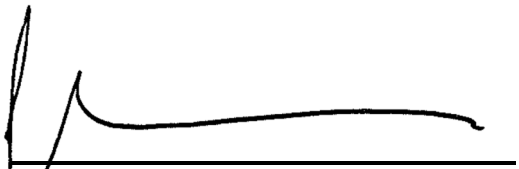
2. Pursuant to Minn. Stat. §§ 13.085, subd. 5(a)(3) and 13.08, subd. 4(b), the County shall pay a civil penalty of $300.

3. Pursuant to Minn. Stat. § 13.085, subd. 6(c) the Court will refund $950 of Complainant's filing fee.

4. Pursuant to Minn. Stat. § 13.085, subd. 6(c) the County must reimburse the Court for its costs in conducting this matter, as documented in an invoice to be sent by the Court to Respondent.

5. All other requests for relief are hereby dismissed.

Dated: November 24, 2025



CHRISTA L. MOSENG
Administrative Law Judge

Reported: Digitally Recorded
No transcript prepared

NOTICE

This Order is the final decision in this case. Any party aggrieved by this decision may seek judicial review pursuant to Minn. Stat. §§ 14.63-.69 (2024).

MEMORANDUM

I. Introduction

These proceedings arise out of a Complaint alleging that the County violated the MGDPA. The procedural history of this case is involved; a detailed discussion of the Complaint and the County's initial Response can be found in the September 15, 2025, Probable Cause Determination in this matter.[100]

Between October 2024, and July 2025, Complainants sent the County a dozen requests for government data which generally concerned a municipal project known as the East Side Corridor Project.[101] Each request resulted in communications about the request.[102] Evincing frustration, the data requests evolved to include text colored red for emphasis and significant boilerplate: preemptive clarifications, demands, statutory citations, and legal argument.[103] Complainants also sought information directly from other county staff and officials, outside of the formal data practices process established by the County. The County, in turn, required Complainants' data requests be made directly to the County Attorney and County Administrator.

The parties also detailed considerable work arising out of the requests. Complainants produced hundreds of pages documenting their work on the requests.[104] The County also devoted many hours of work over many months and across multiple departments to respond to the requests—work which continues today.[105]

In total, the record shows nine requests for data made by the Complainants (not counting repeated submissions of the same request) between October, 2024, and May, 2025.[106] The County is currently continuing to work on providing complete, responsive datasets for three of the requests.[107] Two have been completed with all responsive data provided.[108] The remaining three have been closed because the County possessed no responsive data.[109]

Two issues remained for hearing after the probable cause determination:

a. Charging a fee for inspection of public data, in violation of Minn. Stat. § 13.03, subd. 3, in response to an October 25, 2024 data request.

b. Failure to establish a procedure, consistent with the Act, to insure that all requests for government data are received and complied with

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[100] *See* Notice of Probable Cause Determination, and Order for Prehearing Conference at 2.
[101] *See generally* Exs. 21-36 (showing emails and transcripts of conversations between the parties relating to the facts of the case); Complainants' Closing Argument at 3.
[102] *See, e.g.* Ex. 1, ESC-3 – ESC-6.
[103] See, e.f., Ex. 12, ESC 58 –62 (a data request that takes less than one-half page to describe, cushioned by four-and-a-half pages of additional material).
[104] *See* Ex. 9.
[105] Test. Fry.
[106] *See, e.g.,* Complainant's Closing Argument at 3 (showing a table of all data requests involved in this matter, along with their data preservation request and the requests sent after the Complaint was filed.).
[107] Test. Fry.
[108] *See* Complainants' Closing Argument at 3.
[109] Test. Fry; *also see* Complainants' Closing Argument at 3.

in an appropriate and prompt manner, in violation of Minn. Stat. § 13.03, subd. 2(a).

At the hearing, the County conceded that it violated Minn. Stat. § 13.03, subd. 3,[110] by telling Complainants that it would charge a fee for photographing data made available for inspection, the County ultimately never charged the fee.

The sole issue that remains for substantive analysis, then, is whether the County violated Minn. Stat. § 13.03, subd. 2(a).

II. Applicable Law

The Minnesota Government Data Practices Act "governs the storage of government data and public access to that data."[111] Members of the public who want to inspect or copy public government data submit a request to do so to the relevant responsible authority or designee.[112] Responsible Authorities must, in turn, "establish procedures . . . that insure requests for government data are received and complied with in an appropriate and prompt manner."[113] The act only requires that procedures be 'established', and does not require that they be in any particular form, or even that they be written down.[114]

The question before this Court, then, is not whether every response to a data request was appropriate and prompt—though this would be relevant. Rather, the law requires that 1) "government data be made available" and 2) "that personnel responsible for making it available establish procedures that ensure it is made available."[115]

The MGDPA places significant burdens on government entities. At the same time, the weight of those burdens speaks to the import the Legislature has placed on the access to data the MGDPA requires. To balance these appropriately, both the Court of Administrative Hearings and the Commissioner of the Department of Administration have concluded that the requirement for prompt and appropriate responses to data requests does not have a mechanical or rote application. Rather, an assessment may consider factors such as: the scope or complexity of the data requested, the resources available to respond to the requests, and the government entities' communications with requestors while work on the requests takes place.[116]

III. Analysis

Complainants alleged facts that met the probable cause threshold with respect to three of the County's procedures. First, the County told Complainants it would charge a

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[110] If a person requests access to data "for the purpose of inspection, the responsible authority may not assess a charge or require the requesting person to pay a fee." Minn. Stat. § 13.03, subd. 3(a).
[111] *Webster*, 910 N.W.2d at 427.
[112] *Id*.
[113] Minn. Stat. § 13.03, subd. 2(a)).
[114] *Webster*, 910 N.W.2d at 432.
[115] *Webster*, 910 N.W.2d at 431.
[116] *See, e.g.* Depart. Admin. Adv. Ops. 14-003 (Apr. 23, 2014) (University of Minnesota); *and In the Matter of Timothy J. Coughlin vs. City of Deerwood and Deerwood Police Department*, No. 22-0305-39381, FINDINGS OF FACT, CONCLUSIONS OF LAW, AND ORDER (Minn. Court of Admin. Hearings Nov. 17, 2023).

fee for photographs taken by Complainants of data made available for inspection—which the County concedes violated the MGDPA. Second, the County initially maintained a procedure of responding to data requests from Complainants only in the order in which they were received. Third, the County required all of Complainants' communications regarding requests for data and the East Side Corridor Project be sent to County Attorney Jarrett and County Administrator Fry.

A. Ordering of County Responses to Multiple Data Requests

Complainants sent the County twelve distinct data requests in approximately a 10-month span. These requests ranged from extremely wide-ranging (such as the first, sent on October 25, 2024) to very small and precise (such as the May 6, 2025, request for three specific policy documents). In his reply acknowledging receipt of Complainants' April 9, 2025, data request, County Attorney Jarrett informed Complainants that the County would "begin [work on] this following the general ESC requests which is still pending. I suspect it will be several months, likely this fall, before it is ready."[117] Similar language regarding the existence of prior data requests from Complainants and a lengthy wait time for completion—couched in terms of months or seasons—also appear in the County's receipt acknowledgements of multiple subsequent requests.[118] For example, the County (1) predicting that a request for three ostensibly public-facing documents made on May 6, 2025, would be satisfied by "estimated this fall/winter," after other, larger requests were satisfied and (2) providing three pdfs on September 30, 2025. [119] These responses were neither prompt nor appropriate.

Despite statements regarding the order in which the County would respond to the Complainants' data requests, however, the record shows that responses were produced in a more flexible fashion and that the County improved its practices through the course of dealing with Complainant's requests. Data, or responses that no data exists, were provided to a total of five requests while work on the first, and largest, request continued.

County Administrator Fry testified that while the First-In-First-Out procedure was important for maintaining coordinated and orderly tracking, work, and responses—particularly for large requests that required relying on an information technology staffing resource that proved to be a bottleneck—it was not being applied as a mechanical requirement.[120]

As a result, what appears to be at issue more than the County's ordering of responses is the County's lack of effective or ongoing communication with Complainants regarding their data requests. Appropriate responses to data requests with lengthy response times should generally include *providing the requestors with updates*.[121] The record does not show a single update from the County to Complainants regarding the status of an initial request beyond acknowledgements of receipt, even when

[117] Ex. 7 at ESC-31.
[118] *See* Exs. 11, 12, *and* 15.
[119] Ex. 11 at ESC-55.
[120] Test. Fry.
[121] *See* Dept. Admin. Adv. Op. 14-003 (Apr. 23, 2014 (University of Minnesota) (discussing how response to a request for data may still be appropriate and prompt despite a wait time of five months as a result of the complexity of the request and "continual communication" with the requester about their request.).

circumstances warranted revising the timeline for production. This lack of communication, rather than the County's ordering procedure, failed to meet the County's obligation to make appropriate responses to requests.

Going forward, rather than acknowledging receipt and ignoring subsequent contact, as the County appeared to do in this case, the County's procedures must contemplate ongoing communication with the public about pending data requests, particularly when new or better information could affect an earlier-communicated anticipated-completion timeline. Simply articulating the reason for prolonged response time or delay could inform requestors' expectations and forestall future complaints.

B. Communication with County Attorney Jarrett and County Administrator Fry

The MGDPA explicitly requires that requests for government data be made *only* to the Responsible Authority for a given government entity, or their Designee.[122] At the same time, the Responsible Authority and their Designee are required by the Act to establish procedures that ensure appropriate and prompt responses to such requests.[123]

County Attorney Jarrett is the Responsible Authority for the County under the MGDPA, and the County's Data Practices Compliance Officer.[124] County Administrator Fry is the formal Designee under the MGDPA for the County's Administration department.[125]

The record of Complainants' communications with County Attorney Jarrett shows multiple responses, or lack thereof, to their requests for data that were entirely inappropriate. In the worst instances, those decisions resulted in County Administrator Fry providing a final response or novel update during her testimony.

The record of communication between County Attorney Jarrett and the Complainants is sparing. However, the record shows a pattern of construing Complainants' data requests uncharitably to excuse minimal communication and disregard for legitimate data requests and requests for updates from Complainants.

Specifically, County Attorney Jarrett closed a data request initially made on March 31, 2025, with the following reason, in substantive part: "This is not a data request. . . . . Chapter 13 does not require government entities to answer specific questions, to create data, or to reorganize data into a particular format to answer questions. This request will be closed." Complainants resubmitted the request, after revising it in an attempt to satisfy the thrust of the County's response by removing the question marks.

[122] Minn. Stat. § 13.03, subd. 3(a); *also see Scheffler v. City of Anoka*, 890 N.W.2d 437, 447 (Minn. 2017) (holding in part that in order for the MGDPA to have been violated, a request for data must have been made to either the Responsible Authority or their Designee).
[123] Minn. Stat. § 13.03, subd. 2(a).
[124] Ex. 100A at 33; Ex. 37 at ESC-278.
[125] Ex. 100A at 33; Ex. 37 at ESC-278.

County Attorney Jarrett again closed the request, stating: "This is not a data request as it is vague and calls for answers to questions."[126]

These responses were not appropriate.[127] Ignoring other communications about the request, including attempts to clarify or resubmit the March 31 request, was also not appropriate. These responses and non-responses were inappropriate because, first, the data request on its face is not vague and the "questions" included were precatory and superfluous to a clearly stated data request: "any and all information regarding the Joint Transportation Committee including but not limited to…."[128] Second, even if the request were vague, closing the request immediately without seeking clarification—and ignoring subsequent clarifications and communications about the request—was, in this instance, inappropriate. The County's response was inappropriate because it construed the data request unfavorably, in a light favoring expeditious summary disposition, and contrary to the purposes of the MGDPA.

The record does not show that County Attorney's Jarrett's responses to this request were the result of an established procedure for responding to data requests, except inasmuch as the procedure provided that that the request would be received and evaluated personally by County Attorney Jarrett. The failure to meaningfully respond to attempts to clarify the request, even if the County believed them to relate back to a previously addressed request, demonstrates that the County's procedures failed to ensure appropriate responses to those requests.

Additionally, standing alone, the County mistakenly sending a response intended for another pending request is understandable. The volume of communications and pending requests could easily yield an intended reply sent in an inapposite email thread. However, County Attorney Jarrett received multiple replies to his errant email response, requesting more explanation and discussing a different, conflicting response. The Responsible Authority ignored this apparent confusion, which he inadvertently created, for months. These choices resulted in Complainants mistakenly believing a data request had been closed entirely. County Administrator Fry clarified at hearing that, instead, the request was still open with the County and work on a final review of responsive documentation was underway.[129] This, again, was too little and far too late.

The record demonstrates a pattern of responses inappropriate under the MGDPA. This pattern was a consequence of a procedure that seemingly allowed the Responsible Authority to be, in apparent effect, the only check on his own errors, misunderstandings, or miscommunications in the context of an ongoing relationship with multiple active data requests and in which tensions had escalated. Accordingly, to ensure the compliance with

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[126] *See, e.g.* Steele County's Post-Hearing Brief at 8, 10; *and* Exs. 100E, E-217 Ex. 7, ESC-33. The County attorney inadvertently sent this response to a different data request, causing additional confusion among the parties. Test. of Fry. The record offers no *direct* insight into which request County Attorney Jarrett intended this response for. Of the requests pending at the time, it is more likely than not that this response was intended to relate to the March 31 request. Respondent Zimmerman emailed Jarrett at 8:16 a.m. on April 10, 2025, about receiving no response to an attempt to clarify the March 31 data request, and Jarrett sent this email at 8:24 a.m. on the same day.

[127] Ex. 100D, E-217

[128] Ex. 100D, E-205.

[129] Test. Fry.

Minn. Stat. § 13.03, subd. 2(a), the Judge will require the County to maintain procedures that ensure appropriate responses to data requests and, in so doing, address this specific shortcoming.

This requirement is intentionally phrased broadly to ensure that the County has maximum flexibility to address the issue in light of its resource constraints and without impairing the Responsible Authority's ability to carry out the responsibilities and duties of that role. This Judge contemplates a segregation of duties or internal monitor to provide stronger internal quality control over data practices responses, as an entity might implement to avoid a single point of failure in financial controls.[130] But it would be inappropriate be overly prescriptive about the best manner of implementing such internal control, or which particular circumstances require the additional eyes. The County's decision to employ an attorney whose responsibilities will include data practices reflects a good faith effort toward mitigating this specific source of MGDPA violations. That role will likely be an essential component of any procedure that satisfies the MGDPA's mandate

IV. Civil Penalty

After consideration of the factors listed in Minn. Stat. § 13.08, subd. 4(b), the Judge concludes that a $300 civil penalty under Minn. Stat. § 13.085, subd. 5(a)(3) is appropriate. The record shows that the County has designated both a Responsible Authority as well as a data practices compliance official. The County also has published current data inventory and public access procedures documents, though the record also establishes that those documents had been out of date since approximately 2020 prior to these proceedings, including showing entirely incorrect names for the relevant officials.[131] The Department of Administration did not issue an advisory opinion under Minn. Stat. § 13.072 regarding these requests. The County's ongoing training regarding MGDPA requirements reflects improvements since these proceedings began but were inadequate until the challenges presented by these data requests made their inadequacy apparent: relevant personnel have recently provided inappropriate responses to requests made under the Act.

As a result of these facts and the record as a whole, the Judge concludes that a civil penalty is warranted. The record establishes multiple violations of the MGDPA and inappropriate responses by the County in addressing the Complainants' data requests. It is laudable that the County has proactively addressed many of those issues, such as concluding it could not charge a fee for photographs of inspected data and improving its flexibility to respond to requests of varying size. However, the changes implemented during the pendency of these proceedings does not negate that the violations occurred. Similarly, mistaken or inappropriate data request responses by County Attorney Jarrett left Complainants without meaningful updates or responses to multiple requests until the hearing on their Complaint. As a result, a civil penalty is appropriate in this case.

[130] The Judge notes that it is likely that County Administrator Fry was copied on the emails sent by County Attorney Jarrett. However, the record demonstrates that she did not effectively serve as a check on the erroneous or inappropriate emails.
[131] *See* Minn. Stat. § 13.025, subd. 3; Test. Zimmerman; Test. Fry.

V. Conclusion

The miscommunication and adverse posture that developed between the parties became so fraught at times that it entirely obscured each party's good faith efforts to engage with the requirements of the MGDPA. Despite clear improvement in its practices during the course of these requests, the County's responses to the Complainants' requests failed to be appropriate on multiple occasions. The inappropriate responses were a consequence of a procedure that provided no mechanism to ensure that the County identified errors or misunderstandings by the Responsible Authority before they grew into conflict.

Complainants' communications with the County undoubtedly contributed to the adversarial atmosphere, including their use of a bespoke data request form that opens with bright red letters declaring "WE ARE FULLY EDUCATED, PREPA[]RED, WILLING, EXPERIENCED, AND VICTORIOUS IN COURT ACTIONS TO FORCE COMPLIANCE AND RECOUP CIVIL MONITARY DAM[A]GES FOR NONCOMPLIANCE!"[132] Nevertheless, conflict or an adversarial posture taken by data requestors (here, apparently taken in response to growing frustration with inappropriate responses from the County) does not relieve the County of its obligation to respond to properly submitted data requests appropriately.

The record indicates the County has, and continues to, work diligently to produce any and all data responsive to Complainants' open requests. The workload created by the requests, together with mutual miscommunications and misunderstandings, caused strain that highlighted weaknesses in the County's processes. As a consequence, the record shows that the County's processes failed to meet the requirements of the MGDPA. The County neglected to provide ongoing, timely updates regarding the status of data requests and failed to incorporate a means of validating the propriety of responses to requests. These violations warrant an order for compliance and a civil penalty, as articulated above.

C. L. M.

[132] *See, e.g.* Ex. 7 at ESC-25.

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor Noise Impact on Residents

1 message

[redacted] Sat, Dec 13, 2025 at 6:41 PM
To: "ronald.gaines@steelecountymn.gov" <ronald.gaines@steelecountymn.gov>
[redacted]

Dear Mr Gaines,
My husband and I live on property that will abut up-to the proposed 19 Ave corridor.
We are very fearful about the noise impact on our lives.
The traffic noise impacts of this project are not adequately addressed in the Environmental Assessment Worksheet (EAW). Noise impacts are predictable, distance-based, and permanent when roadways are placed close to homes, yet the EAW fails to meaningfully evaluate avoidance, separation distance, or long-term impacts to nearby residents.

State noise standards demonstrate that acceptable noise levels are only reached at substantial distances from travel lanes, particularly for heavy vehicles and higher speeds. Proposing a roadway closer than those distances creates foreseeable impacts that cannot be undone without costly mitigation or relocation.

Because these impacts are significant and not fully analyzed, the EAW does not provide sufficient information to support a Finding of No Significant Impact. A more comprehensive review is necessary.

An Environmental Impact Statement (EIS) is warranted to properly evaluate noise impacts, avoidance alternatives, and long-term consequences to residential neighborhoods.

Respectfully submitted,
S[redacted] M[redacted]

Date: December 13, 2025

Submitted to:
Ronald Gaines – Steele County Responsible Governmental Unit (RGU)

Re: EAW COMMENT – WITHHELD NOISE STUDY / INCOMPLETE RECORD

I submit this comment to document that **project-specific traffic noise studies prepared for the East Side Corridor / 29th Avenue project exist, were relied upon by Steele County and its consultant (WSB), but were not disclosed to the public during the Environmental Assessment Worksheet (EAW) process**, rendering the EAW incomplete and preventing meaningful public participation.

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1. Existence of a Project-Specific Noise Study Not Included in the EAW Record

A **Traffic Noise Analysis Report** for the *Owatonna East Side Corridor* was prepared by **WSB for Steele County** and dated **December 14, 2024**. This report was submitted to the State on behalf of Steele County but was **not provided to residents during the EAW process**, despite valid public data requests and an Administrative Law Judge ruling confirming that the County improperly responded to the request for noise studies.

Residents submitted public data requests seeking all noise studies, iterations, and related analyses for the Project. **Steele County responded that no such noise studies existed.** That response is inconsistent with the attached **WSB Traffic Noise Analysis Report** prepared for Steele County and submitted to the State.

The report documents extensive noise impacts, receptor modeling, and mitigation analysis using the **FHWA Traffic Noise Model (TNM) Version 2.5**, consistent with federal noise analysis requirements under **23 CFR 772**.

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2. Documented Noise Impacts to Residential Receptors

The report identifies **496 total noise receptors**, including **175 receptors in Noise Sensitive Area K (NSA K)**, which corresponds to the **North Country neighborhood**.

Appendix figures dated **March 19–20, 2024** depict widespread impacted residential receptors along the corridor, including locations where **every other home** is identified as impacted.

Appendix B, **Table B-1**, documents substantial noise impacts to **properties K1–K150**, as well as impacts to additional neighborhoods outside of North Country.

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3. Noise Levels Exceeding or Approaching Regulatory Thresholds

The study indicates **future build-condition noise levels reaching approximately 62 dBA** at impacted residential receptors, exceeding or approaching applicable **Noise Abatement Criteria (NAC)** thresholds under federal and state guidance.

Even with mitigation, multiple residences remain exposed to **50+ dBA**, with several receptors modeled to experience **noise reductions exceeding 15 dBA**, indicating severe baseline noise impacts associated with the project. The study identifies multiple residential receptors with modeled build-condition **noise increases approaching 25–30 dBA**, indicating severe baseline noise impacts.

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4. Mitigation Feasibility and Cost-Effectiveness Was Analyzed and Recommended

The report evaluates multiple mitigation scenarios, including **Wall K1**, a **2,430-foot-long, 20-foot-high noise wall**, which:

- Achieves **≥7 dBA noise reduction** at impacted receptors,
- Benefits **24 residential receptors**,
- Meets **MnDOT cost-effectiveness standards** at an estimated **$72,900 per benefited receptor**, and
- Is **explicitly recommended for further evaluation** by WSB.

Additional figures dated **December 8 and December 14, 2024** show mitigation configurations in which **all adjacent residential properties** would experience at least **7 dBA reduction**, with an extended wall alignment wrapping the subdivision.

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5. Failure to Disclose This Study Invalidates the EAW

Despite the existence of this detailed noise analysis, the EAW provided to the public does **not include**:

- Noise modeling outputs,
- Identification of impacted receptors,
- Disclosure of predicted noise levels,
- Evaluation of feasible and reasonable mitigation measures, or
- Comparison of mitigation versus **avoidance**.

The absence of this information prevents the public from evaluating whether the project complies with **23 CFR 772**, **MnDOT noise requirements**, **Minn. R. ch. 4410,** and **Minn . R. ch. 7030** standards for environmental disclosure and meaningful public participation.

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6. Procedural Implications

Because this noise study existed, was prepared for Steele County, and was relied upon by its consultant, **its exclusion from the EAW record constitutes a material omission**, not a technical oversight. The public was denied the opportunity to review, verify, and comment on noise impacts and mitigation during the EAW comment period.

This comment is submitted to ensure the administrative record accurately reflects that **required noise studies existed but were withheld from public review**, and that the EAW is therefore **incomplete and cannot support a lawful finding of no significant environmental impact**.

Attachment

- **Traffic Noise Analysis Report – Owatonna East Side Corridor** (WSB, Dec. 14, 2024) pg. 4 *(Submitted solely to document incompleteness of the EAW record and lack of public access to required noise studies.*
- **County Response to Public Data Request – Noise Studies** (Dec. 8, 2025) pg. 147

M[redacted] Z[redacted]
[redacted].
Owatonna, MN
Directly impacted resident

Traffic Noise Analysis Report
Owatonna East Side Corridor
State Aid Project Number 074-070-009

DRAFT

Prepared for Steele County

12/14/2024

HZUNITED

1.4 Project Improvements

One proposed geometric alternative was analyzed for noise impacts. The proposed geometric improvements are as follows:

- New north-south alignment from 18th ST SE at the south to 26th ST NE to the north.

2.0 Methodology and Results

2.1 Project Traffic Information and Future Forecast

Traffic data for the noise study was gathered and prepared by WSB. The traffic team developed peak hourly traffic volumes for the existing surrounding roadway system by utilizing a percentage (10-12%) of the overall AADT, as provided by MnDOT or Steele County. MN State Aid default truck percentages for urban/rural roadways were used to determine vehicle classification data. See supporting traffic study data in **Appendix X.**

2.2 Noise Level Prediction Methodology

Based on state and federal requirements, predicted traffic noise levels were modeled using the FHWA Traffic Noise Model (TNM) version 2.5. The noise model was run for the following scenarios: Existing conditions (2023), a No-Build future scenario (2044), and a Build scenario (2044). Roadway elements were delineated at the centerline of Existing and Build condition roadways for all roadway elements within the Noise study area. Terrain lines were delineated at contour break lines at low points such as ditches and high points of ridges and berms. Abatement from existing structures were modeled as barriers. Structure heights were estimated using Google Earth. Large areas of connected impervious surface were included in the model. A survey was completed along the centerline of 26th ST NE. For elevation data outside of the extents of the survey, MnTOPO lidar was used. Build condition elevation data was provided by WSB and was developed in OpenRoads Designer.

2.3 Model Validation

Noise measurements were taken on 10/11/23 at 14 representative locations along the proposed corridor as well as along the urban section on 26th Street NE to document existing noise levels and assist in validating the noise level prediction model. Monitored noise levels can also be used as a baseline of the possible ambient noise levels that can occur with a new roadway alignment. A factory calibrated noise monitoring device (Casella CEL 633C Real Time Octave Band Analyzer Type 1) was used for field monitoring. Fourteen representative field monitoring locations were chosen to represent different Noise Sensitive Areas (NSA). For five of the monitoring locations, there was no corresponding traffic volume during the monitoring duration and these were not included for model validation. Table 1 below shows the field monitoring noise level results with validation results. Field measurements were taken on Tuesday, 10/10/2023 and Wednesday 10/11/2023 (site conditions were sunny, low humidity, low winds). Traffic data was collected at the time of each monitoring session. Speed meassurements were taken on adjacent roadway. Representative noise models were developed using the field collected traffic data during the monitoring time period.

Table 1: Traffic noise monitoring and validation table

Monitor Point ID	Monitor Start Time	Monitored	Modeled	Difference
		Leq	Leq	Leq
4	3:18 PM	47.8	45.4	-2.4
5	2:53 PM	39.4	39.9	0.5
6A	4:03 PM	47.3	49.6	2.3
8	4:33 PM	45.7	47.1	1.4
9	1:24 PM	48.4	49.4	1.0
11	1:55 PM	52.2	55.1	2.9
13	2:56 PM	55.1	56.2	1.1
14	12:45 PM	44.5	46.6	2.1
17	11:06 AM	55.4	55.5	0.1

A discrepancy less than or equal to 3.0 dBA between predicted levels and field measurements is considered acceptable for noise model validation.

Based on Table 1 above, modeled traffic noise levels ranged from -2.4 dBA to 2.9 dBA above field measurements; therefore, the prediction model was validated and used without corrections. Field monitoring locations are shown in Appendix A (Modeled monitor locations shown on **Figure X** with "MPXX"). Field measurement data sheets can be found in Appendix C.

2.4 Loudest Noise Hour

WSB Engineering is completed a traffic study for the project. This task has not required the collection of hourly vehicle counts on the surrounding roadway system. In general, higher traffic volumes, vehicle speeds and numbers of heavy trucks increases the loudness of traffic. The worst hourly traffic noise impact typically occurs when traffic is flowing more freely and when heavy truck volumes are the greatest. In lieu of collecting hourly vehicle data on numerous roadways, the following methodology is proposed. The project area does not have any congested roadways; therefore, free flow speeds are assumed at all hours. Vehicle classification data cannot be collected on a new alignment roadway; therefore, MN State Aid default truck percentages for an urban roadway were utilized in the noise model. The traffic team has developed peak hourly traffic volumes for the existing surrounding roadway system. These peak hour volumes were developed utilizing a percentage (10-12%) of the overall AADT, as provided by MnDOT or Steele County.

Because there is only a single variable: traffic volume. It was assumed that the peak hourly traffic volume will produce the WNH by default. Vehicle mixes were calculated using MnDOT State Aid vehicle mixes for rural and urban roadway segments, applied accordingly.

2.5 Noise Sensitive Areas and Noise Receptor Identification

The noise analysis includes modeled noise levels for all noise sensitive land uses within the project area likely to be affected by traffic noise from the project. Noise receptors were delineated within Noise Sensitive Areas (NSA) based on similar NAC land use, noise environment, and within locations in which noise abatement would potentially be analyzed. Overall, there were 13 NSAs

identified, and 496 total receptor locations selected, which include 282 NAC B receptors, 165 NAC C receptors, 3 NAC F receptors, and 46 NAC G receptors (Appendix B). Noise receptors were located per State and Federal standards and generally located at Areas of Frequent Human Use (AFHU).

Table 2: Noise Receptor Category Summary

Noise Sensitive Area (NSA)	Total Number of Receptors	Noise Abatement Criteria (NAC)				
		NAC B	NAC C	NAC E	NAC F	NAC G
E	28	26	0	0	0	2
F	18	13	3	0	1	1
G	15	13	1	0	1	0
H	42	39	0	0	0	3
I	51	29	5	0	0	17
J	25	1	22	0	0	2
K	175	147	25	0	0	3
L	4	0	0	0	0	4
M	8	2	3	0	0	3
N	4	0	0	0	0	4
O	3	1	0	0	0	2
P	2	0	0	0	0	2
Q	5	2	0	0	0	3
R	7	6	1	0	0	0
S	4	3	0	0	1	0
Trail	105	0	105	0	0	0
Total	**496**	**282**	**165**	**0**	**3**	**46**

A description of noise sensitive areas is included below:

- **NSA E:** NSA E is North of 26th St NE between St Paul Ave and NE 24th Ave. See Table 2 for receptor category delineation in NSA E.
- **NSA F:** See Table 2 for receptor category delineation in NSA F. NSA F includes the outdoor use space for Good Shepard Lutheran Church. Three locations were included for this parcel to evaluate noise impacts at different human use areas. NSAH is South of 26th St NE between St. Paul St. and NE 24th Ave.
- **NSA G:** NSA G is South of 26th St NE. See Table 2 for receptor category delineation in NSA G. NSA G includes the outdoor use space for Mckinley Elementary School.

2.8 Noise Abatement Analysis

Noise abatement analysis was completed for all impacted receptors and is discussed below by NSA. Barrier analysis is discussed separately for trail receptors at the end of this section.
NSA E: There are no impacted receptors in NSA E, so no barrier analysis was performed for this location.

NSA F: There are no impacted receptors in NSA F, so no barrier analysis was performed for this location.

NSA G: There are no impacted receptors in NSA G, so no barrier analysis was performed for this location.

NSA H: There are no impacted receptors in NSA H, so no barrier analysis was performed for this location.

NSA I: Because there are 15 impacted receptors in NSA I, preliminary proposed noise walls were evaluated using TNM 2.5. See Appendix A for analyzed wall locations. The walls were designed to meet the MnDOT design goal of 7 dBA for 1 impacted receptor, and to provide 5 dBA sound level reduction for each impacted receptor. The walls were located between the roadway and the shared use trail. The wall extents were placed based on traffic sight lines[3] and stopping sight distance requirements[4] based on FHWA and MnDOT standards.

- **Wall I1:** A 1460 ft long wall (Wall I1) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I5-I8. Results are summarized below:
  - **20 ft Wall:** A 1460 ft long, 20 ft high wall (Wall I1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 9 benefited receptors. The estimated wall cost is $116,800 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 1460 ft long, 15 ft high wall (Wall I1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $112,629 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 1460 ft long, 10 ft high wall (Wall I1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 3 benefited receptors. The estimated wall cost is $175,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 1460 ft long, 8 ft high wall (Wall I1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $210,240 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **6 ft Wall:** A 1460 ft long, 6 ft high wall (Wall I1) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

[3] *MnDOT Field Design Guide Chapter 6, Exhibit 6E-16 and MnDOT Road Design Manual Chapter 5, Figure 5-2.02B*
[4] FHWA Railroad Crossing Handbook, Table C-1

- **Wall I2:** A 1120 ft long wall (Wall I2) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I5-I8. Results are summarized below:
  - **20 ft Wall:** A 1120 ft long, 20 ft high wall (Wall I2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $115,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation. 9 $89,600
  - **15 ft Wall:** A 1120 ft long, 15 ft high wall (Wall I2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 benefited receptors. The estimated wall cost is $151,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation. 7 $86,400
  - **10 ft Wall:** A 1120 ft long, 10 ft high wall (Wall I2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 3 benefited receptors. The estimated wall cost is $134,400 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 1120 ft long, 8 ft high wall (Wall I2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $161,280 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **6 ft Wall:** A 1120 ft long, 6 ft high wall (Wall I2) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

- **Wall II:** A 400 ft long wall (Wall II) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I2-. Results are summarized below:
  - **20 ft Wall:** A 400 ft long, 20 ft high wall (Wall II) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There is 1 benefited receptor. The estimated wall cost is $288,000 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 400 ft long, 15 ft high wall (Wall II) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There is 1 benefited receptor. The estimated wall cost is $216,000 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 400 ft long, 10 ft high wall (Wall II) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **8 ft Wall:** A 400 ft long, 8 ft high wall (Wall II) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **6 ft Wall:** A 400 ft long, 6 ft high wall (Wall II) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

NSA J: Because there are 15 impacted receptors in NSA J, barrier analysis was performed and is discussed in the trail abatement section.

NSA K: Because there are 55 impacted receptors in NSA K, preliminary proposed noise walls were evaluated using TNM 2.5. See Appendix A for analyzed wall locations. The walls were

designed to meet the MnDOT design goal of 7 dBA for 1 impacted receptor, and to provide 5 dBA sound level reduction for each impacted receptor. The walls were located between the roadway and the shared use trail. The wall extents were placed based on traffic sight lines[5] and stopping sight distance requirements[6] based on FHWA and MnDOT standards.

- **Wall KA:** A 340 ft long wall (Wall KA) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors K150-. Results are summarized below:
  - **20 ft Wall:** A 340 ft long, 20 ft high wall (Wall KA) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **15 ft Wall:** A 340 ft long, 15 ft high wall (Wall KA) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **10 ft Wall:** A 340 ft long, 10 ft high wall (Wall KA) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **8 ft Wall:** A 340 ft long, 8 ft high wall (Wall KA) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **6 ft Wall:** A 340 ft long, 6 ft high wall (Wall KA) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

- **Wall K1:** A 2430 ft long wall (Wall K1) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors K1-K4. Results are summarized below:
  - **20 ft Wall:** A 2430 ft long, 20 ft high wall (Wall K1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 24 benefited receptors. The estimated wall cost is $72,900 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **10 ft Wall:** A 2430 ft long, 10 ft high wall (Wall K1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 14 benefited receptors. The estimated wall cost is $62,486 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **8 ft Wall:** A 2430 ft long, 8 ft high wall (Wall K1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 9 benefited receptors. The estimated wall cost is $77,760 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 2430 ft long, 6 ft high wall (Wall K1) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

NSA L: There are no impacted existing receptors in NSA L, so no barrier analysis was performed for this location.

[5] *MnDOT Field Design Guide Chapter 6, Exhibit 6E-16 and MnDOT Road Design Manual Chapter 5, Figure 5-2.02B*

[6] FHWA Railroad Crossing Handbook, Table C-1

NSA M: Because there are 8 impacted receptors in NSA M, preliminary proposed noise walls were evaluated using TNM 2.5. See Appendix A for analyzed wall locations. The walls were designed to meet the MnDOT design goal of 7 dBA for 1 impacted receptor, and to provide 5 dBA sound level reduction for each impacted receptor. The walls were located between the roadway and the shared use trail. The wall extents were placed based on traffic sight lines[7] and stopping sight distance requirements[8] based on FHWA and MnDOT standards.

- **Wall M:** A 600 ft long wall (Wall M) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors M3-. Results are summarized below:
  - **20 ft Wall:** A 600 ft long, 20 ft high wall (Wall M) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **15 ft Wall:** A 600 ft long, 15 ft high wall (Wall M) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **10 ft Wall:** A 600 ft long, 10 ft high wall (Wall M) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **8 ft Wall:** A 600 ft long, 8 ft high wall (Wall M) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
  - **6 ft Wall:** A 600 ft long, 6 ft high wall (Wall M) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

NSA N: There are no impacted existing receptors in NSA N, so no barrier analysis was performed for this location.

NSA O: Because there are 15 impacted receptors in NSA O, preliminary proposed noise walls were evaluated using TNM 2.5. See Appendix A for analyzed wall locations. The walls were designed to meet the MnDOT design goal of 7 dBA for 1 impacted receptor, and to provide 5 dBA sound level reduction for each impacted receptor. The walls were located between the roadway and the shared use trail. The wall extents were placed based on traffic sight lines[9] and stopping sight distance requirements[10] based on FHWA and MnDOT standards.

- **Wall O:** A 1100 ft long wall (Wall O) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors O1-. Results are summarized below:

[7] *MnDOT Field Design Guide Chapter 6, Exhibit 6E-16 and MnDOT Road Design Manual Chapter 5, Figure 5-2.02B*

[8] FHWA Railroad Crossing Handbook, Table C-1

[9] *MnDOT Field Design Guide Chapter 6, Exhibit 6E-16 and MnDOT Road Design Manual Chapter 5, Figure 5-2.02B*

[10] FHWA Railroad Crossing Handbook, Table C-1

- **20 ft Wall:** A 1100 ft long, 20 ft high wall (Wall O) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- **15 ft Wall:** A 1100 ft long, 15 ft high wall (Wall O) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- **10 ft Wall:** A 1100 ft long, 10 ft high wall (Wall O) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- **8 ft Wall:** A 1100 ft long, 8 ft high wall (Wall O) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- **6 ft Wall:** A 1100 ft long, 6 ft high wall (Wall O) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

NSA P: There are no existing impacted receptors in NSA P, so no barrier analysis was performed for this location.

NSA Q: There are no impacted receptors in NSA F, so no barrier analysis was performed for this location.

Trail: Because there are 55 impacted trail receptors, preliminary proposed noise walls were evaluated using TNM 2.5. See Appendix A for analyzed wall locations. The walls were designed to meet the MnDOT design goal of 7 dBA for 1 impacted receptor, and to provide 5 dBA sound level reduction for each impacted receptor. The walls were located between the roadway and the shared use trail. The wall extents were placed based on traffic sight lines[11] and stopping sight distance requirements[12] based on FHWA and MnDOT standards.

- **Wall TH:** A 2915 ft long wall (Wall TH) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors H1-TI5. Results are summarized below:
  - **20 ft Wall:** A 2915 ft long, 20 ft high wall (Wall TH) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 11 benefited receptors. The estimated wall cost is $190,800 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 2915 ft long, 15 ft high wall (Wall TH) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 11 benefited receptors. The estimated wall cost is $143,100 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 2915 ft long, 10 ft high wall (Wall TH) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 11 benefited receptors. The estimated wall cost is $95,400 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.

[11] *MnDOT Field Design Guide Chapter 6, Exhibit 6E-16 and MnDOT Road Design Manual Chapter 5, Figure 5-2.02B*

[12] FHWA Railroad Crossing Handbook, Table C-1

- **8 ft Wall:** A 2915 ft long, 8 ft high wall (Wall TH) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 11 benefited receptors. The estimated wall cost is $76,320 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
- **6 ft Wall:** A 2915 ft long, 6 ft high wall (Wall TH) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 11 benefited receptors. The estimated wall cost is $57,240 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.

- **Wall TJ:** A 1725 ft long wall (Wall TJ) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors JA7-JA15. Results are summarized below:
  - **20 ft Wall:** A 1725 ft long, 20 ft high wall (Wall TJ) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $177,429 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 1725 ft long, 15 ft high wall (Wall TJ) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $133,071 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 1725 ft long, 10 ft high wall (Wall TJ) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $88,714 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 1725 ft long, 8 ft high wall (Wall TJ) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $70,971 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 1725 ft long, 6 ft high wall (Wall TJ) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $53,229 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.

- **Wall TK:** A 4705 ft long wall (Wall TK) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors K1-K4. Results are summarized below:
  - **20 ft Wall:** A 4705 ft long, 20 ft high wall (Wall TK) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 56 receptors. The estimated wall cost is $60,493 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **15 ft Wall:** A 4705 ft long, 15 ft high wall (Wall TK) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 54 receptors. The estimated wall cost is $47,050 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **10 ft Wall:** A 4705 ft long, 10 ft high wall (Wall TK) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 42 receptors. The estimated wall cost is $40,329 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **8 ft Wall:** A 4705 ft long, 8 ft high wall (Wall TK) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are

41 receptors. The estimated wall cost is $33,050 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
- **6 ft Wall:** A 4705 ft long, 6 ft high wall (Wall TK) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 17 receptors. The estimated wall cost is $28,230 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.

- **Wall TL:** A 2265 ft long wall (Wall TL) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors L2-TL2. Results are summarized below:
  - **20 ft Wall:** A 2265 ft long, 20 ft high wall (Wall TL) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 9 receptors. The estimated wall cost is $181,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 2265 ft long, 15 ft high wall (Wall TL) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 9 receptors. The estimated wall cost is $135,900 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 2265 ft long, 10 ft high wall (Wall TL) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 10 receptors. The estimated wall cost is $81,540 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 2265 ft long, 8 ft high wall (Wall TL) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 8 receptors. The estimated wall cost is $81,540 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **6 ft Wall:** A 2265 ft long, 6 ft high wall (Wall TL) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- **Wall TM-1:** A 365 ft long wall (Wall TM-1) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors M2-TM1. Results are summarized below:
  - **20 ft Wall:** A 365 ft long, 20 ft high wall (Wall TM-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 receptors. The estimated wall cost is $131,400 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 365 ft long, 15 ft high wall (Wall TM-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 receptors. The estimated wall cost is $98,550 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 365 ft long, 10 ft high wall (Wall TM-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 receptors. The estimated wall cost is $65,700 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **8 ft Wall:** A 365 ft long, 8 ft high wall (Wall TM-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 receptors. The estimated wall cost is $52,560 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 365 ft long, 6 ft high wall (Wall TM-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2

receptors. The estimated wall cost is $39,420 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.

- **Wall TM-2:** A 920 ft long wall (Wall TM-2) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors M3-TM6. Results are summarized below:
  - **20 ft Wall:** A 920 ft long, 20 ft high wall (Wall TM-2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 receptors. The estimated wall cost is $165,600 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 920 ft long, 15 ft high wall (Wall TM-2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 receptors. The estimated wall cost is $124,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 920 ft long, 10 ft high wall (Wall TM-2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 receptors. The estimated wall cost is $82,800 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 920 ft long, 8 ft high wall (Wall TM-2) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 receptors. The estimated wall cost is $66,240 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 920 ft long, 6 ft high wall (Wall TM-2) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- **Wall TN:** A 265 ft long wall (Wall TN) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors TN1-. Results are summarized below:
  - **20 ft Wall:** A 265 ft long, 20 ft high wall (Wall TN) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There is 1 benefited receptor. The estimated wall cost is $190,800 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 265 ft long, 15 ft high wall (Wall TN) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There is 1 benefited receptor. The estimated wall cost is $143,100 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 265 ft long, 10 ft high wall (Wall TN) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There is 1 benefited receptor. The estimated wall cost is $93,096 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 265 ft long, 8 ft high wall (Wall TN) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There is 1 benefited receptor. The estimated wall cost is $75,744 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 265 ft long, 6 ft high wall (Wall TN) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

- **Wall TO:** A 5545 ft long wall (Wall TO) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors O1-TP3. Results are summarized below:

  - **20 ft Wall:** A 5545 ft long, 20 ft high wall (Wall TO) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 23 receptors. The estimated wall cost is $173,583 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **15 ft Wall:** A 5545 ft long, 15 ft high wall (Wall TO) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 23 receptors. The estimated wall cost is $130,187 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **10 ft Wall:** A 5545 ft long, 10 ft high wall (Wall TO) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 22 receptors. The estimated wall cost is $90,736 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - **8 ft Wall:** A 5545 ft long, 8 ft high wall (Wall TO) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 22 receptors. The estimated wall cost is $72,589 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 5545 ft long, 6 ft high wall (Wall TO) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 22 receptors. The estimated wall cost is $54,442 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
- **Wall TKb:** A 1960 ft long wall (Wall TKb) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors K1-K4. Results are summarized below:
  - **20 ft Wall:** A 1960 ft long, 20 ft high wall (Wall TKb) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 29 benefited receptors. The estimated wall cost is $48,662 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **15 ft Wall:** A 1960 ft long, 15 ft high wall (Wall TKb) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 25 benefited receptors. The estimated wall cost is $42,336 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **10 ft Wall:** A 1960 ft long, 10 ft high wall (Wall TKb) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 17 benefited receptors. The estimated wall cost is $41,506 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **8 ft Wall:** A 1960 ft long, 8 ft high wall (Wall TKb) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 16 benefited receptors. The estimated wall cost is $35,280 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - **6 ft Wall:** A 1960 ft long, 6 ft high wall (Wall TKb) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

- Wall TI-1: A 760 ft long wall (Wall TI-1) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I31-I34. Results are summarized below:
  - 20 ft Wall: A 760 ft long, 20 ft high wall (Wall TI-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 benefited receptors. The estimated wall cost is $136,800 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.

- 15 ft Wall: A 760 ft long, 15 ft high wall (Wall TI-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 benefited receptors. The estimated wall cost is $102,600 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
- 10 ft Wall: A 760 ft long, 10 ft high wall (Wall TI-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 benefited receptors. The estimated wall cost is $68,400 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
- 8 ft Wall: A 760 ft long, 8 ft high wall (Wall TI-1) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 4 benefited receptors. The estimated wall cost is $54,720 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
- 6 ft Wall: A 760 ft long, 6 ft high wall (Wall TI-1) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.

    - Wall TI-2 New: A 895 ft long wall (Wall TI-2 New) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I30A-I30D. Results are summarized below:
        - 20 ft Wall: A 895 ft long, 20 ft high wall (Wall TI-2 New) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
        - 15 ft Wall: A 895 ft long, 15 ft high wall (Wall TI-2 New) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
        - 10 ft Wall: A 895 ft long, 10 ft high wall (Wall TI-2 New) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
        - 8 ft Wall: A 895 ft long, 8 ft high wall (Wall TI-2 New) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
        - 6 ft Wall: A 895 ft long, 6 ft high wall (Wall TI-2 New) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
    - Wall TI-3: A 985 ft long wall (Wall TI-3) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I10-I13. Results are summarized below:
        - 20 ft Wall: A 985 ft long, 20 ft high wall (Wall TI-3) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $101,314 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
        - 15 ft Wall: A 985 ft long, 15 ft high wall (Wall TI-3) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 7 benefited receptors. The estimated wall cost is $75,986 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
        - 10 ft Wall: A 985 ft long, 10 ft high wall (Wall TI-3) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 6 benefited receptors. The estimated wall cost is $59,100 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.

  - 8 ft Wall: A 985 ft long, 8 ft high wall (Wall TI-3) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 6 benefited receptors. The estimated wall cost is $47,280 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
  - 6 ft Wall: A 985 ft long, 6 ft high wall (Wall TI-3) was evaluated for cost effectiveness. There is not at least one receptor with 7 dBA reduction, thus the wall does not meet the noise reduction goal and is not recommended for further evaluation.
- Wall TI-4: A 630 ft long wall (Wall TI-4) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors I5-I8. Results are summarized below:
  - 20 ft Wall: A 630 ft long, 20 ft high wall (Wall TI-4) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 3 benefited receptors. The estimated wall cost is $151,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 15 ft Wall: A 630 ft long, 15 ft high wall (Wall TI-4) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 3 benefited receptors. The estimated wall cost is $113,400 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 10 ft Wall: A 630 ft long, 10 ft high wall (Wall TI-4) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $113,400 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 8 ft Wall: A 630 ft long, 8 ft high wall (Wall TI-4) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $90,720 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 6 ft Wall: A 630 ft long, 6 ft high wall (Wall TI-4) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $68,040 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.
- Wall TI-5: A 470 ft long wall (Wall TI-5) was evaluated at varied wall heights for cost effectiveness to abate noise levels for receptors TI1-. Results are summarized below:
  - 20 ft Wall: A 470 ft long, 20 ft high wall (Wall TI-5) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $169,200 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 15 ft Wall: A 470 ft long, 15 ft high wall (Wall TI-5) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $126,900 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 10 ft Wall: A 470 ft long, 10 ft high wall (Wall TI-5) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $84,600 per receptor. The wall does not meet the Cost Effectiveness standard, thus this wall is not recommended for further evaluation.
  - 8 ft Wall: A 470 ft long, 8 ft high wall (Wall TI-5) was evaluated for cost effectiveness. There is at least one receptor with 7 dBA reduction thus the wall meets the noise reduction goal. There are 2 benefited receptors. The estimated wall cost is $67,680 per receptor. The wall meets the Cost Effectiveness standard and is recommended for further evaluation.

ensure the desired compatibility between the proposed East Side Corridor and potential future development.

3.0 Construction Noise

The construction activities associated with implementation of the proposed project will result in increased noise levels relative to existing conditions. These impacts will primarily be associated with construction equipment.

The following table (Table 5) shows peak noise levels monitored at 50 feet from various types of construction equipment. This equipment is primarily associated with site grading/site preparation, which is generally the roadway construction phase associated with the greatest noise levels.

Table 5: Typical construction noise [Source: EPA and FHWA]

Equipment Type	Manufacturers Sampled	Total Number of Models in Sample	Peak Noise Level (dBA)	
			Range	Average
Backhoes	5	6	74-92	83
Front Loaders	5	30	75-96	85
Dozers	8	41	65-95	85
Graders	3	15	72-92	84
Scrapers	2	27	76-98	87
Pile Drivers	N/A	N/A	95-105	101

Elevated noise levels are, to a degree, unavoidable for this type of project. Scott County and its contractor(s) are exempt from local noise ordinances, it is the practice to require contractor(s) to comply with applicable local noise restrictions and ordinances to the extent that is reasonable. Advanced notice will be provided to affected communities of any planned abnormally loud construction activities. It is anticipated that night construction may sometimes be required to minimize traffic impacts and to improve safety. However, construction will be limited to daytime hours as much as possible. If necessary, a detailed nighttime construction mitigation plan will be developed during the project final design stage.

Any associated high-impact equipment noise, such as pile driving, pavement sawing, or jack hammering, will be unavoidable with construction of the proposed project. The use of this high-impact noise equipment will be prohibited during nighttime hours.

4.0 Conclusions

Based on the analysis completed using the guidelines and procedures laid out by the MnDOT Noise Requirements, there are multiple walls that were determined to be reasonable and feasible and are being advanced for public solicitation for implementation. Walls which are determined to be reasonable/feasible, but where Steele County has the deciding vote, as determined by MnDOT noise public solicitation standards, will not be advanced for public solicitation. Two walls will be advanced for public solicitation (Wall K1, Wall TI-2).

Statement of Likelihood

The traffic noise analysis for the proposed noise barrier described above is based upon preliminary design studies completed to date. Final mitigation decisions will be subject to final design considerations and the viewpoint of benefited residents and property owners. If it is determined during final design that conditions have substantially changed, noise abatement measures may be provided. Affected benefited receptors and local officials would be notified of plans to propose a noise abatement measure prior to the completion of the final design process, and benefited residents and property owner would be solicited based on MnDOT noise requirements. This notification would explain changes in site conditions (if any), additional site information, any design changes implemented during the final design process, and an explanation of noise barrier feasibility and reasonableness. A final decision regarding installation of the proposed abatement measure will be made upon completion of final design and the associated public involvement process for the project.

APPENDIX A – NOISE STUDY FIGURES

N

0 0.05 0.1 Miles

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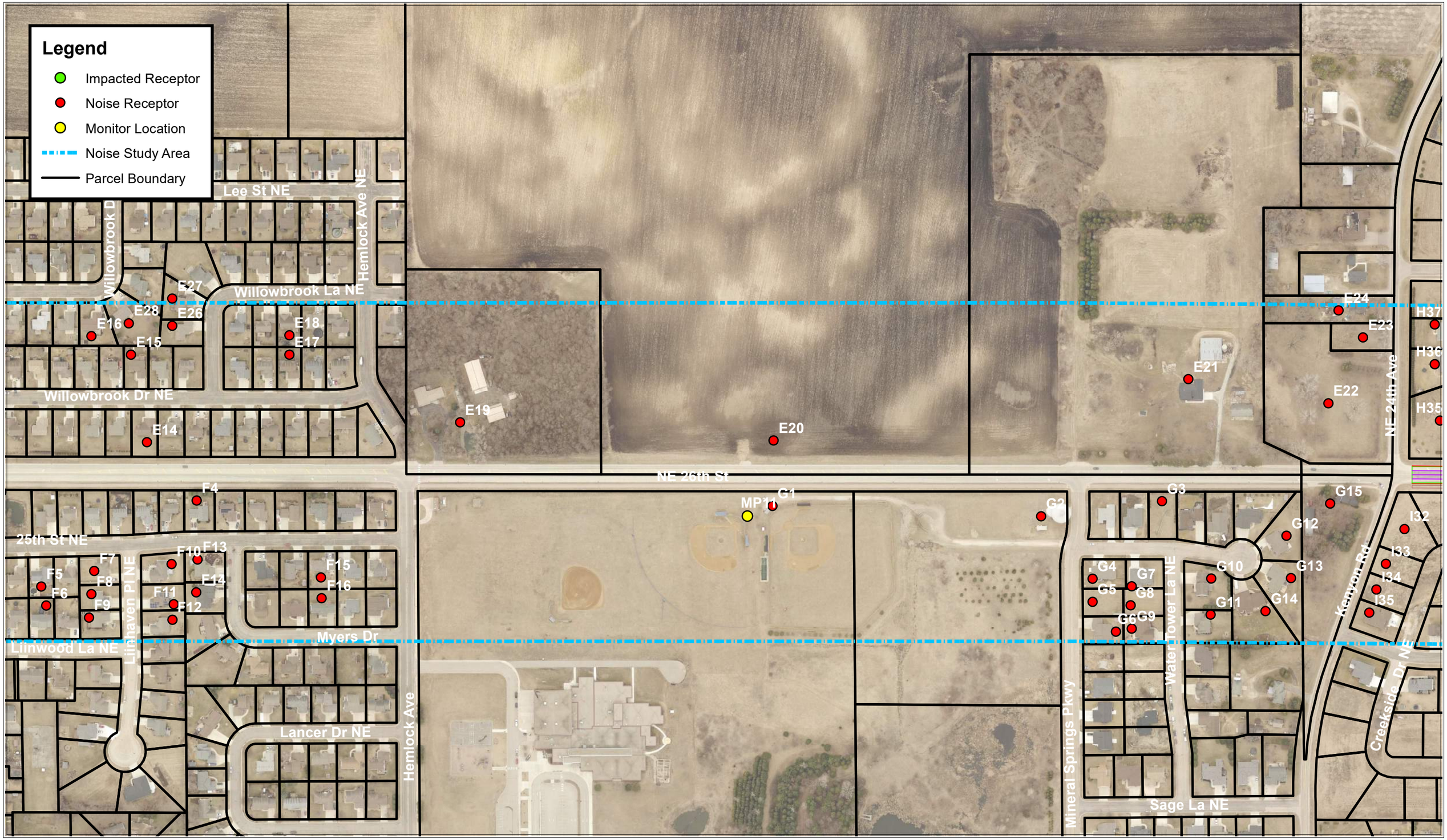
Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-1: Noise Receptors

Date: 3/19/2024



N

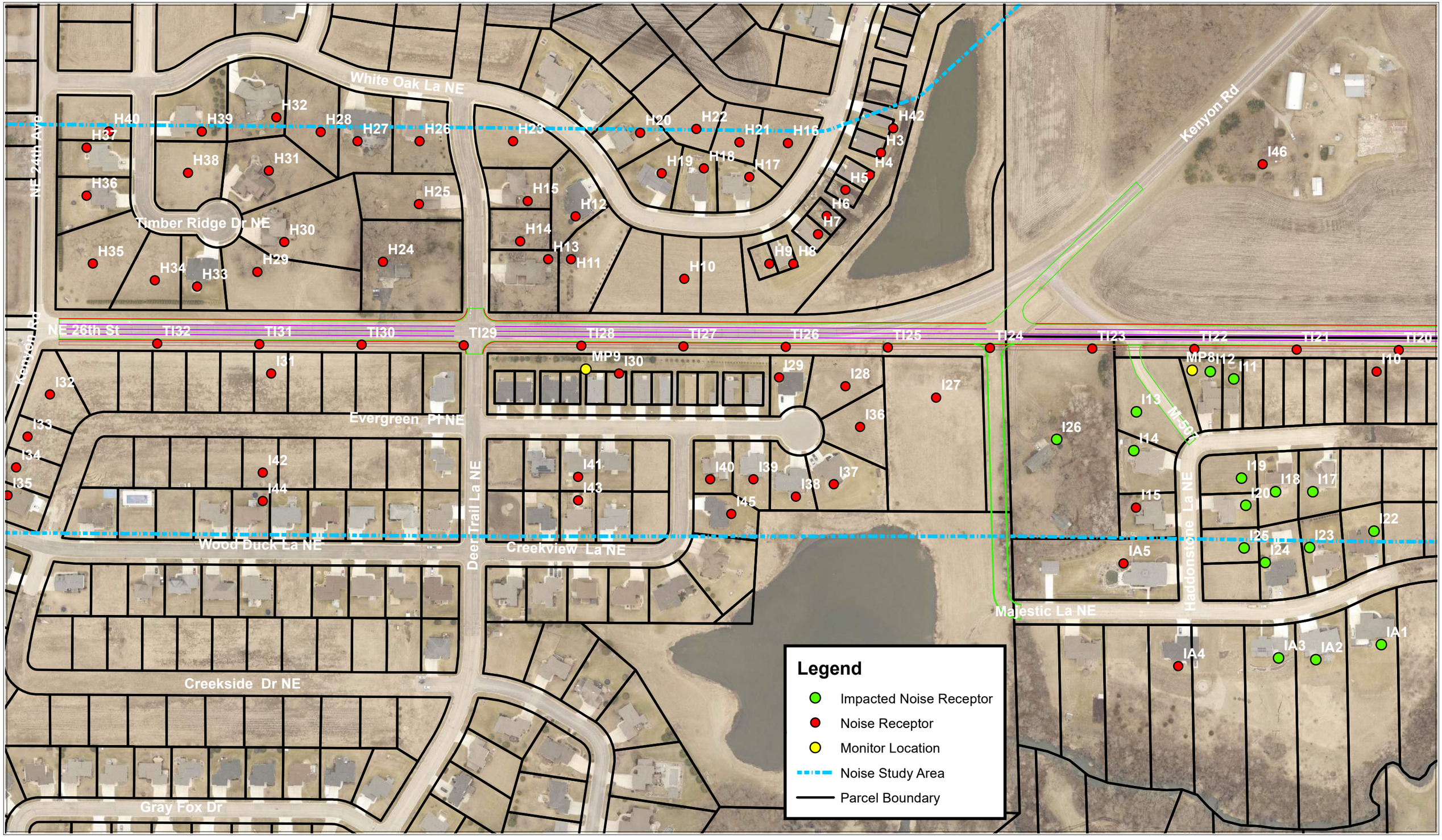
0 0.05 0.1 Miles

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-2: Noise Receptors

Date: 3/19/2024



N

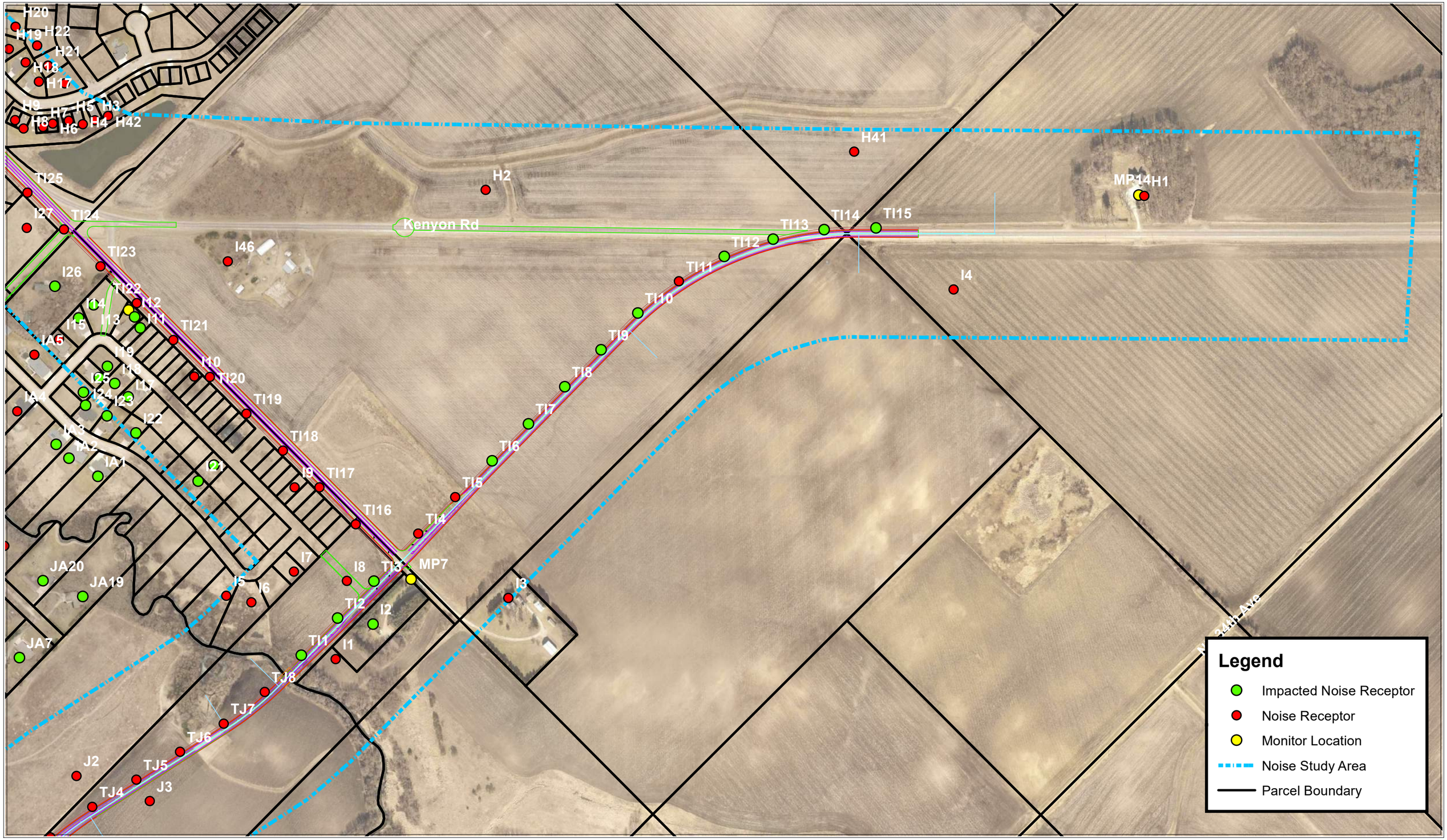
0 0.05 0.1 Miles

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-3: Noise Receptors

Date: 3/20/2024



Steele Co. East Side Corridor - Noise Study Exhibit

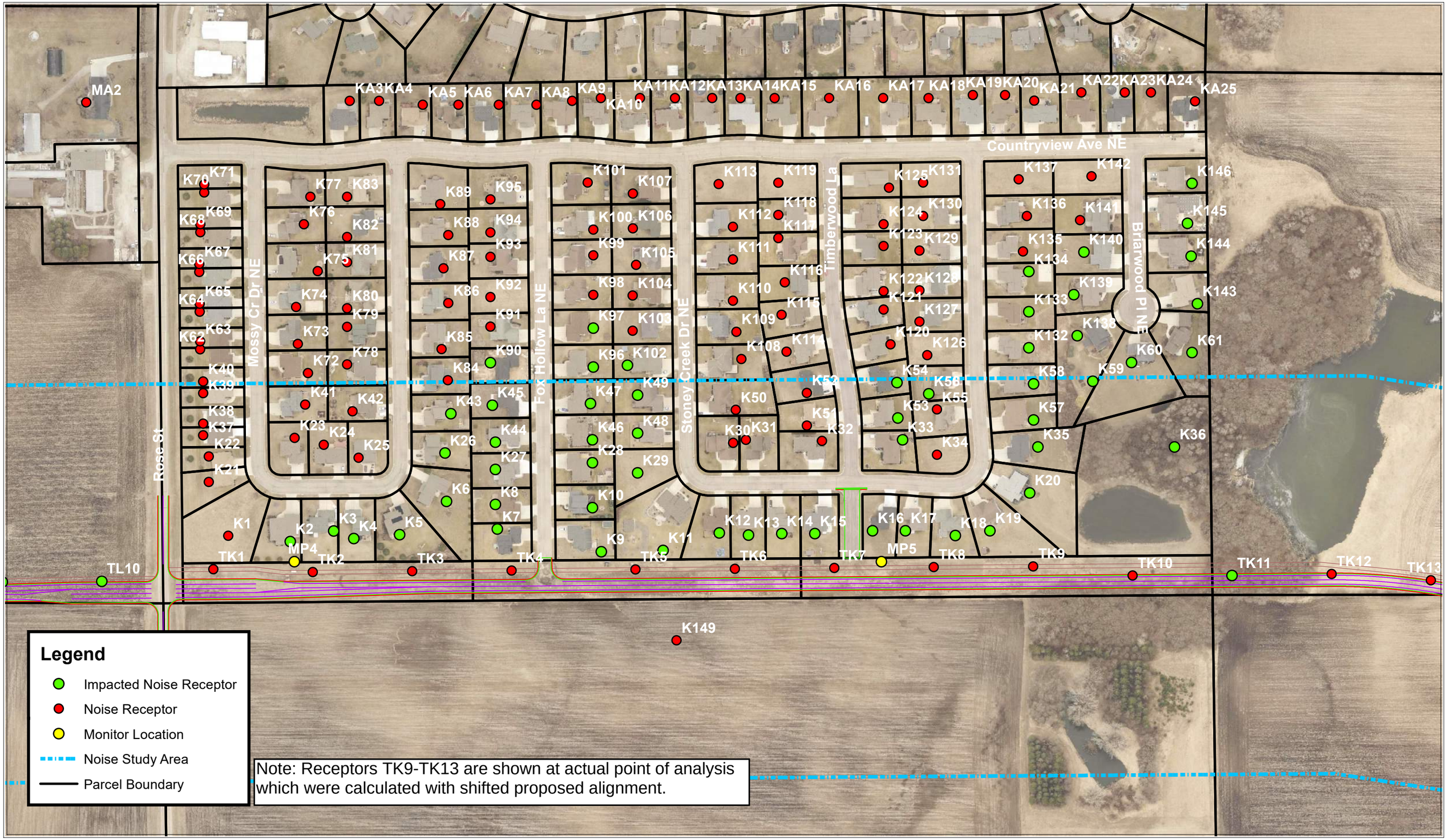
Appendix A-4: Noise Receptors

Date: 3/20/2024

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-5: Noise Receptors

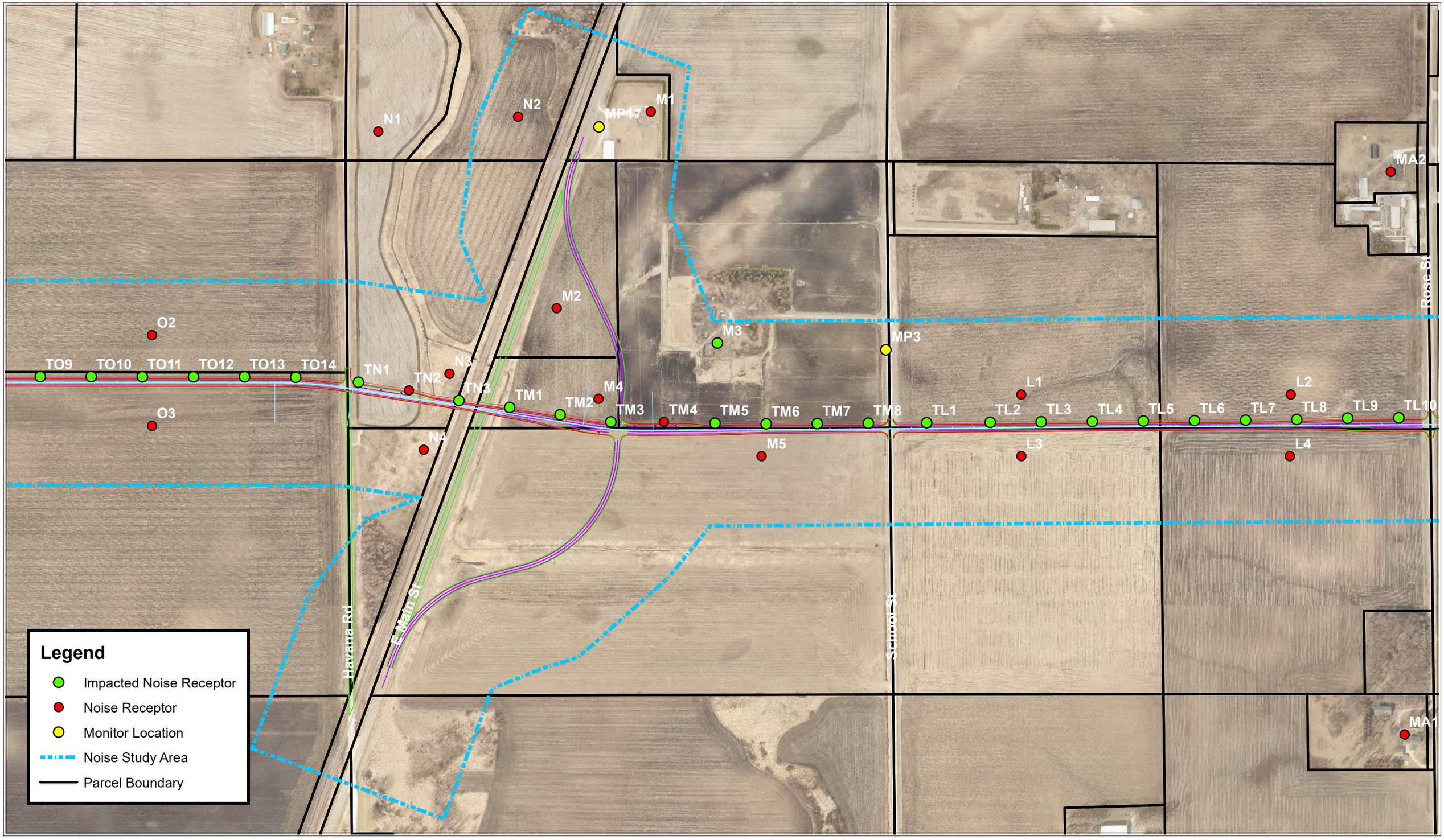
Date: 3/20/2024



Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-6: Noise Receptors

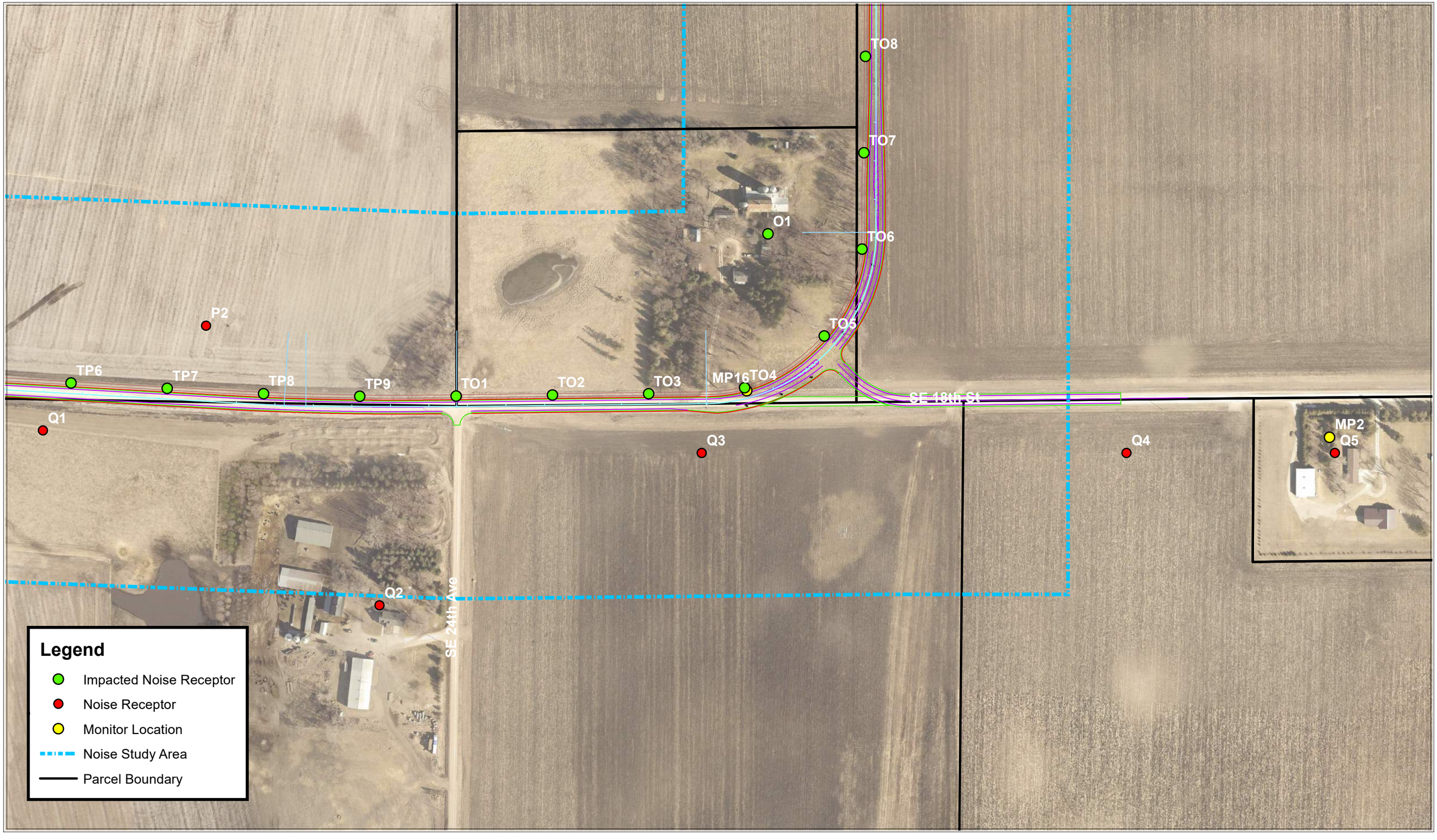
Date: 12/8/2024



Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-7: Noise Receptors

Date: 3/19/2024



N

0 0.05 0.1 Miles

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-8: Noise Receptors

Date: 3/19/2024

15th St SE
16th St SE
Clover La SE
Cornerstone La
Bixby Rd
Greenleaf Rd
18th St SE
SE 18th St
SE 24th Ave
CSAH 48
R6
R5
R4
R3
R2
R1
R7
MP1
S1
S2
S3
P1
P2
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TO1
TO2
Q1
Q2

Legend

- Impacted Noise Receptor
- Noise Receptor
- Monitor Location
- Noise Study Area
- Parcel Boundary

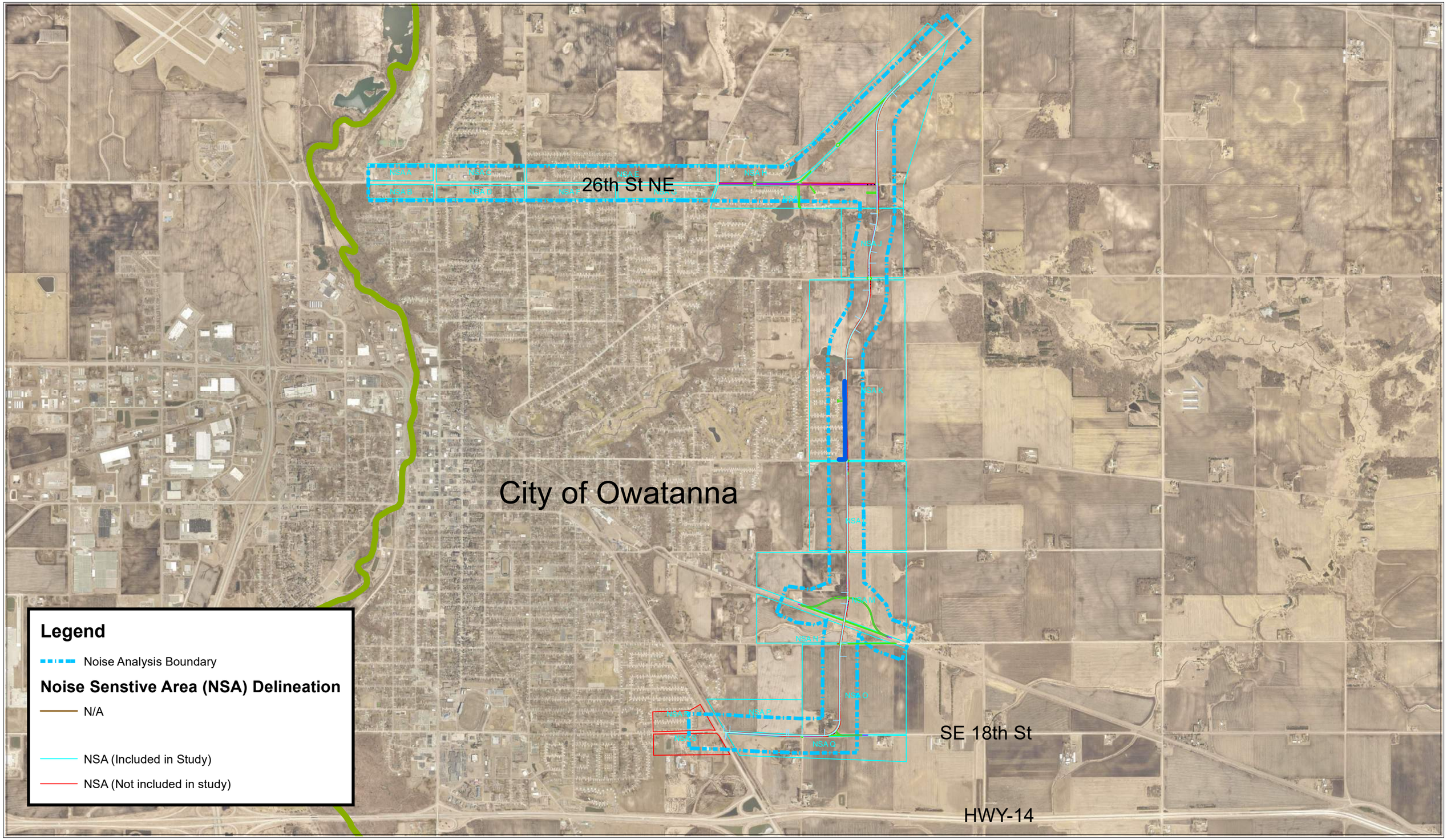
N

0 0.05 0.1 Miles

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A-9: Noise Receptors

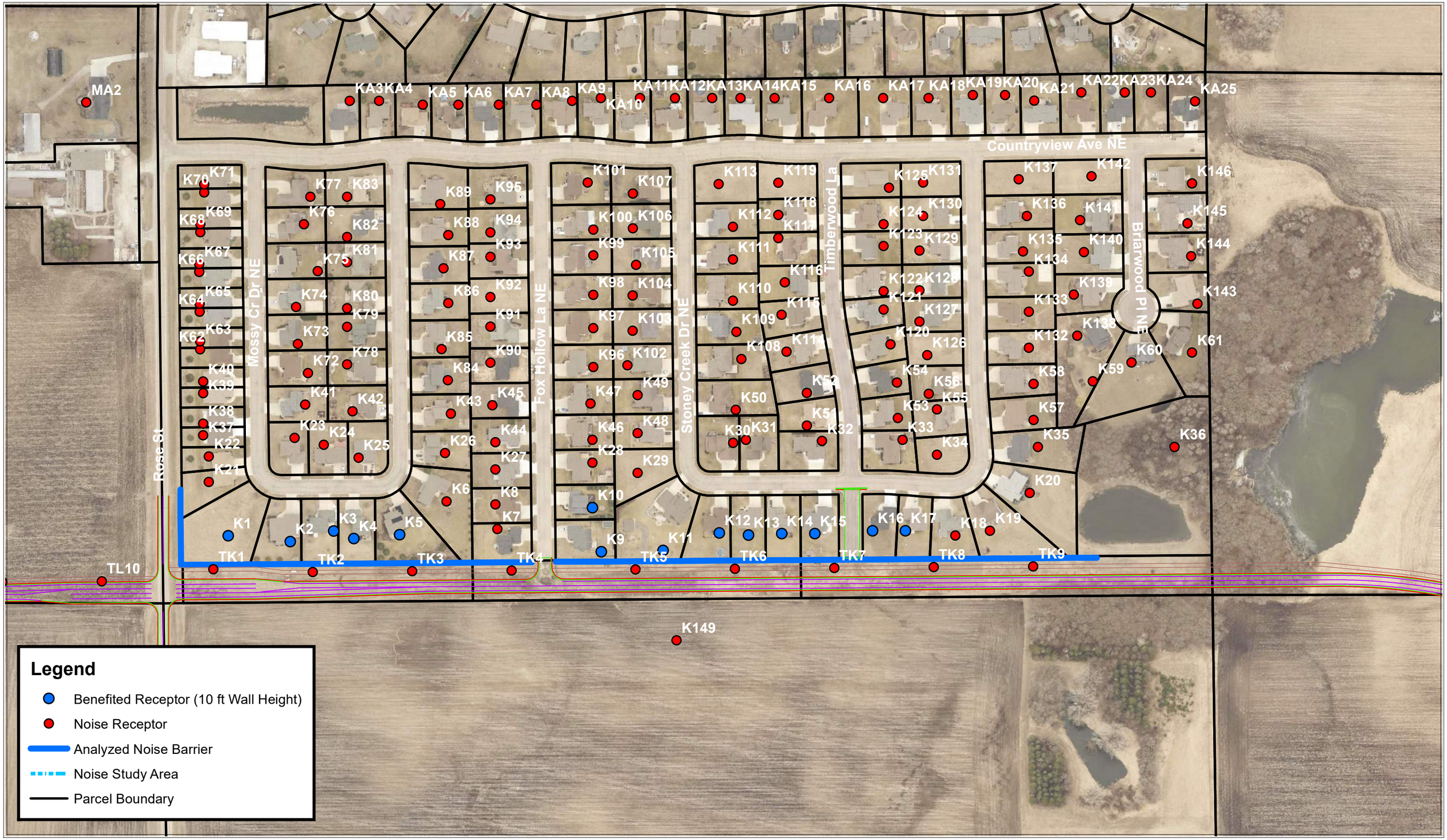
Date: 3/19/2024

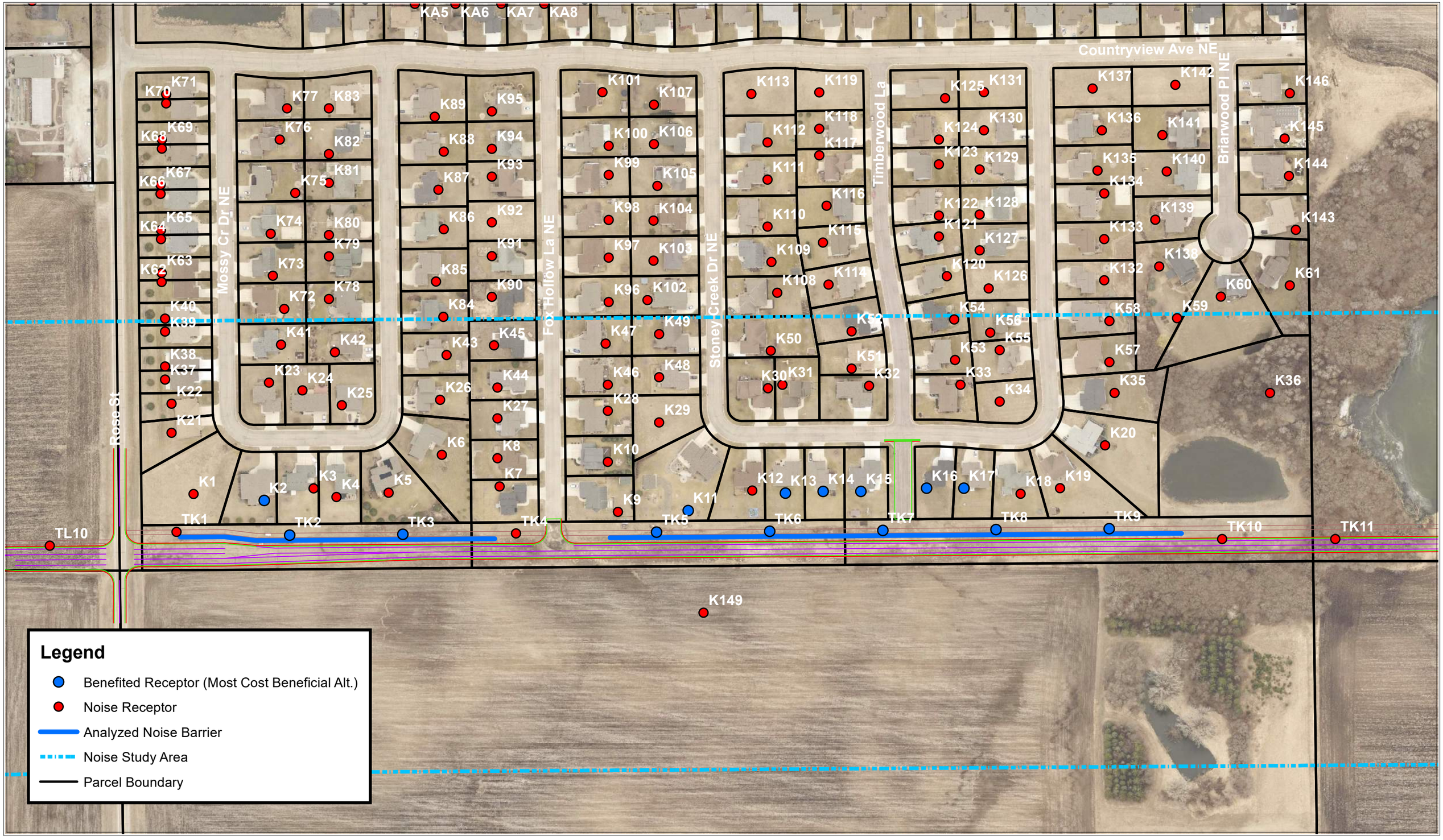


Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Study Area

Date: 11/27/2024

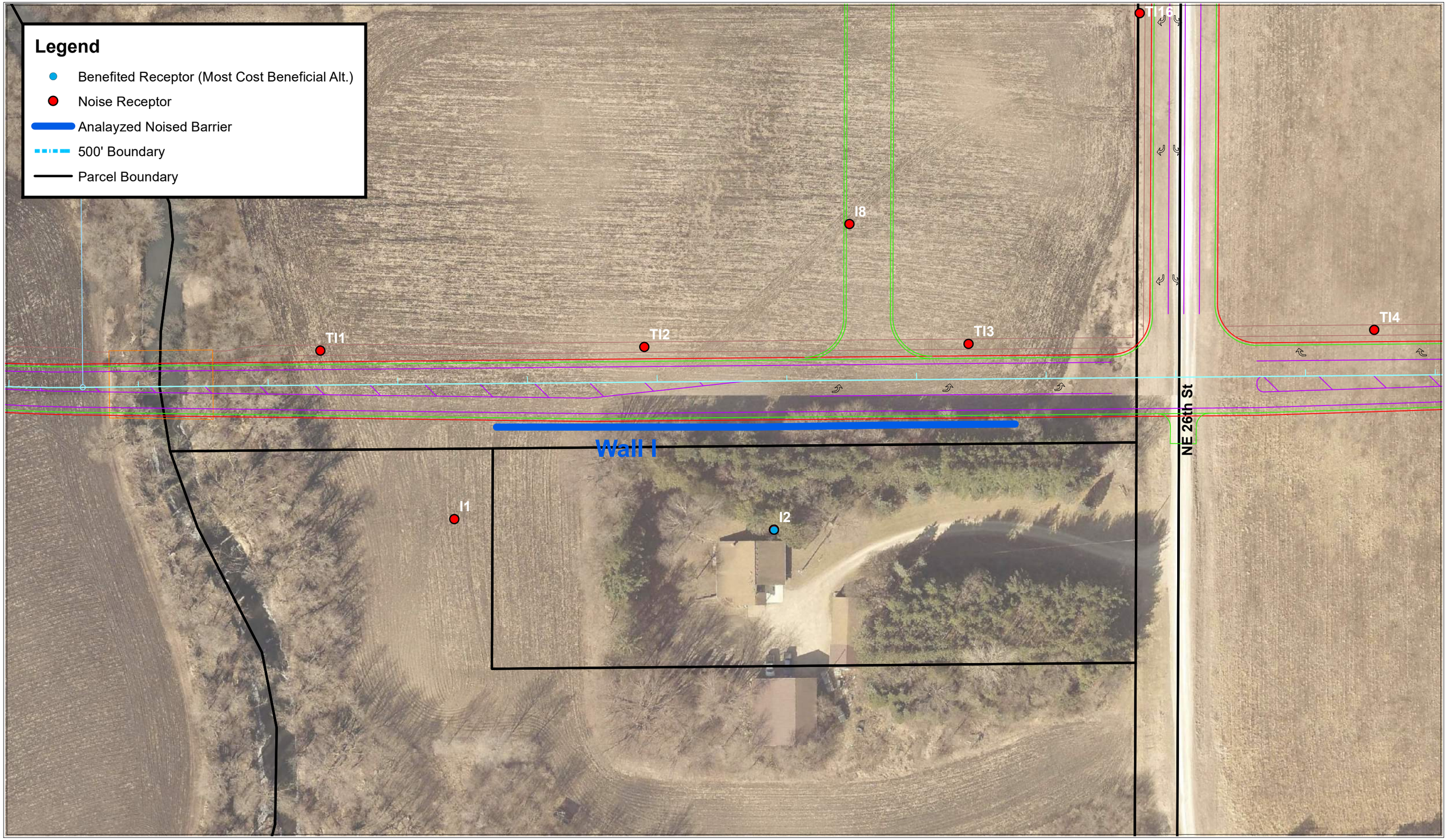

MA2
KA3 KA4 KA5 KA6 KA7 KA8 KA9 KA10 KA11 KA12 KA13 KA14 KA15 KA16 KA17 KA18 KA19 KA20 KA21 KA22 KA23 KA24 KA25
Countryview Ave NE
Mossy Cr Dr NE
Fox Hollow La NE
Stoney Creek Dr NE
Timberwood La
Briarwood Pl NE
Rose St
K70 K71 K69 K68 K67 K66 K65 K64 K63 K62 K40 K39 K38 K37 K22 K24
K77 K83 K76 K82 K75 K81 K74 K80 K79 K73 K78 K72 K41 K42 K23 K24 K25
K89 K95 K88 K94 K93 K87 K92 K86 K91 K85 K90 K84 K45 K43 K44 K26 K27 K6 K8 K7
K101 K107 K100 K106 K99 K105 K98 K104 K97 K103 K96 K102 K49 K47 K48 K46 K28 K29 K10
K113 K119 K112 K118 K111 K116 K110 K115 K109 K114 K108 K52 K50 K51 K30 K31 K32
K125 K131 K124 K130 K123 K129 K122 K128 K121 K127 K120 K126 K54 K56 K55 K53 K33 K34
K137 K142 K136 K141 K135 K140 K134 K139 K133 K138 K132 K59 K58 K57 K35 K20
K146 K145 K144 K143 K61 K60 K36
K1 K2 K3 K4 K5
K12 K13 K14 K15 K16 K17 K18 K19
K9 K11
TK1 TK2 TK3 TK4 TK5 TK6 TK7 TK8 TK9
TL10
K149
Legend
Benefited Receptor (10 ft Wall Height)
Noise Receptor
Analyzed Noise Barrier
Noise Study Area
Parcel Boundary
N
0
250
500
Feet
HZUNITED
Steele Co. East Side Corridor - Noise Study Exhibit
Appendix A-X: Noise Receptors (Wall K1)
Date: 12/14/2024



Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Barrier Analysis (Wall TK-1b)

Date: 12/8/2024



N

0 100 200 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall I)

Date: 11/27/2024

Wall I1

TI24 TI23 TI22 TI21 TI20 TI19 TI18 TI17 TI16

NE 26th St

Kenyon Rd

M-50

Haddonstone La NE

Majestic La NE

I27 I26 I13 I12 I11 I10 I9 I14 I19 I18 I17 I16 I15 I20 I21 I7 I22 I25 I23 I24 IA5 I6 I5 IA1 IA3 IA2 IA4

Legend

- Benefited Receptor (Most Cost Beneficial Alt.)
- Noise Receptor
- Analyzed Noise Barrier
- 500' Boundary
- Parcel Boundary

N

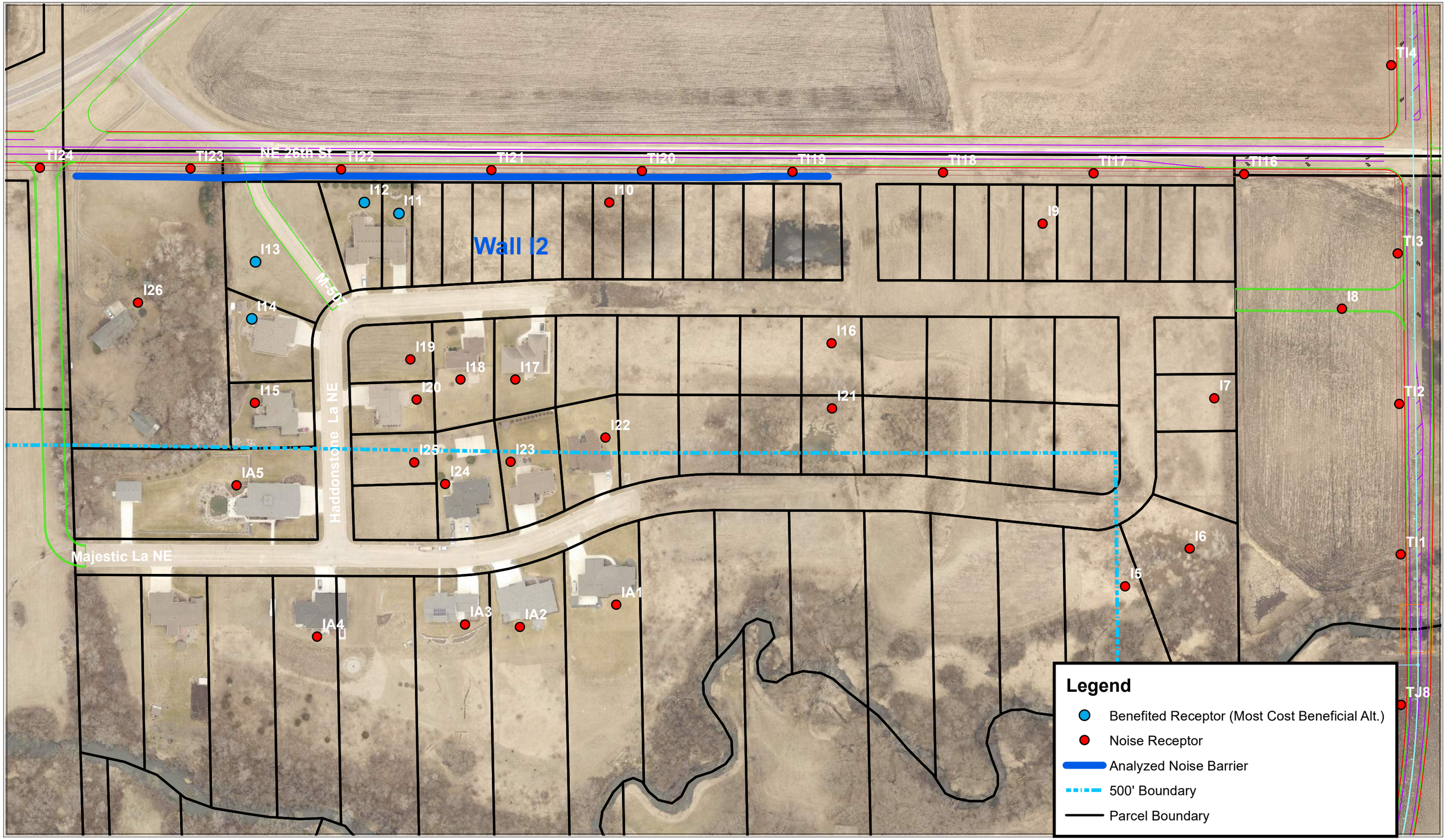
0 200 400 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall I1)

Date: 11/27/2024



N

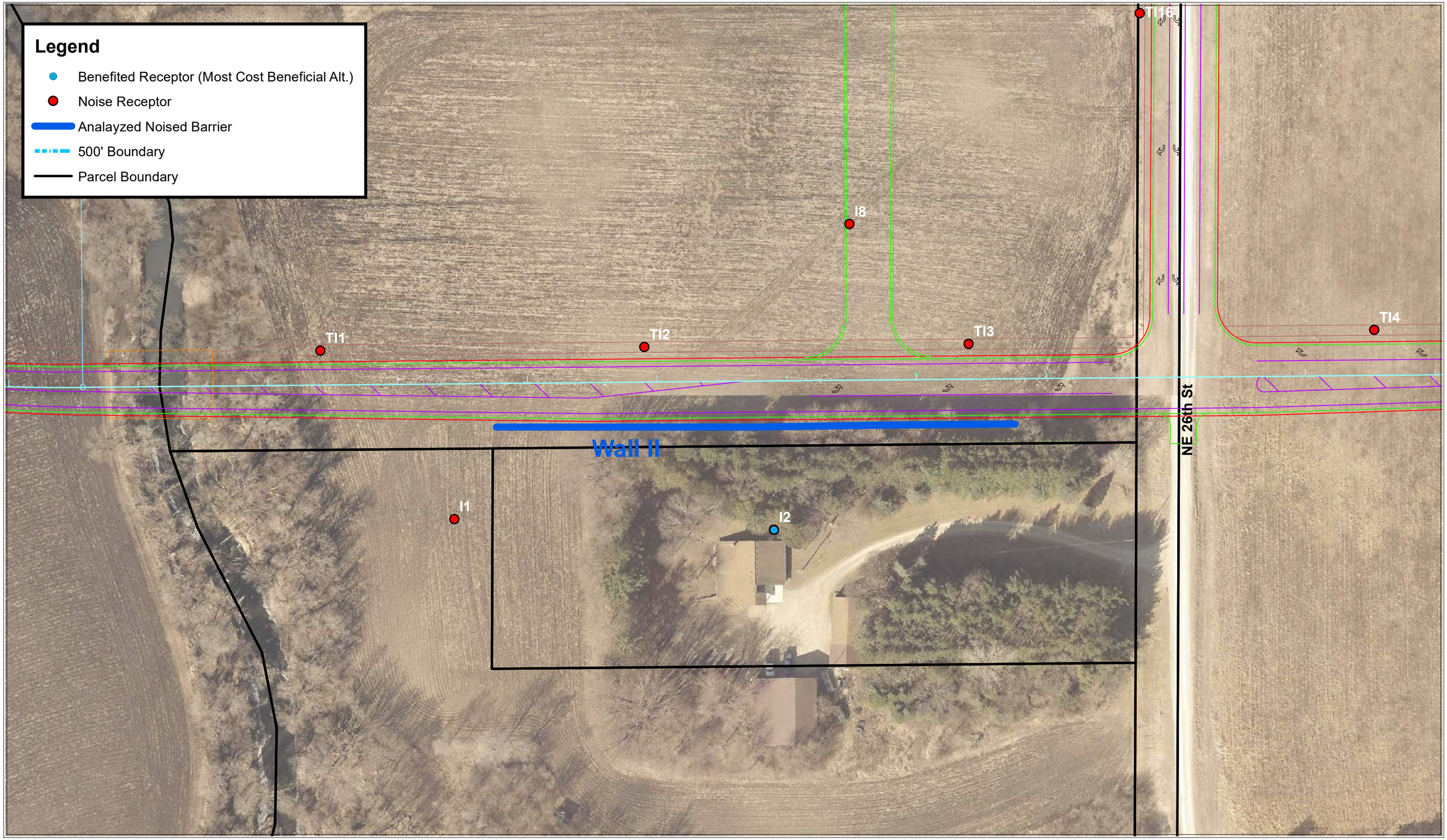
0 200 400 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall I2)

Date: 11/27/2024



N

0 100 200 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall II)

Date: 11/27/2024

Legend

- Benefited Receptor (Most Cost Beneficial Alt.)
- Noise Receptor
- Analyzed Noise Barrier
- 500' Boundary
- Parcel Boundary

Hill Dr

Walker Dr

Dunn Rd

Wall TJ

JA1 JA2 JA3 JA4 JA5JA6 JA7 JA13 JA14 JA15 JA16 JA17 JA18 JA19 JA20 JA21 JA22

J1 J2 J3

K148 K150 KA1 TK19 TK20 TK21

TJ1 TJ2 TJ3 TJ4 TJ5 TJ6 TJ7 TJ8

I1 I2 I5 I6 I7 I8 I9 I16 I21 I22

TI1 TI2 TI3 TI4 TI6 TI7 TI8 TI9

0 387.5 775 Feet

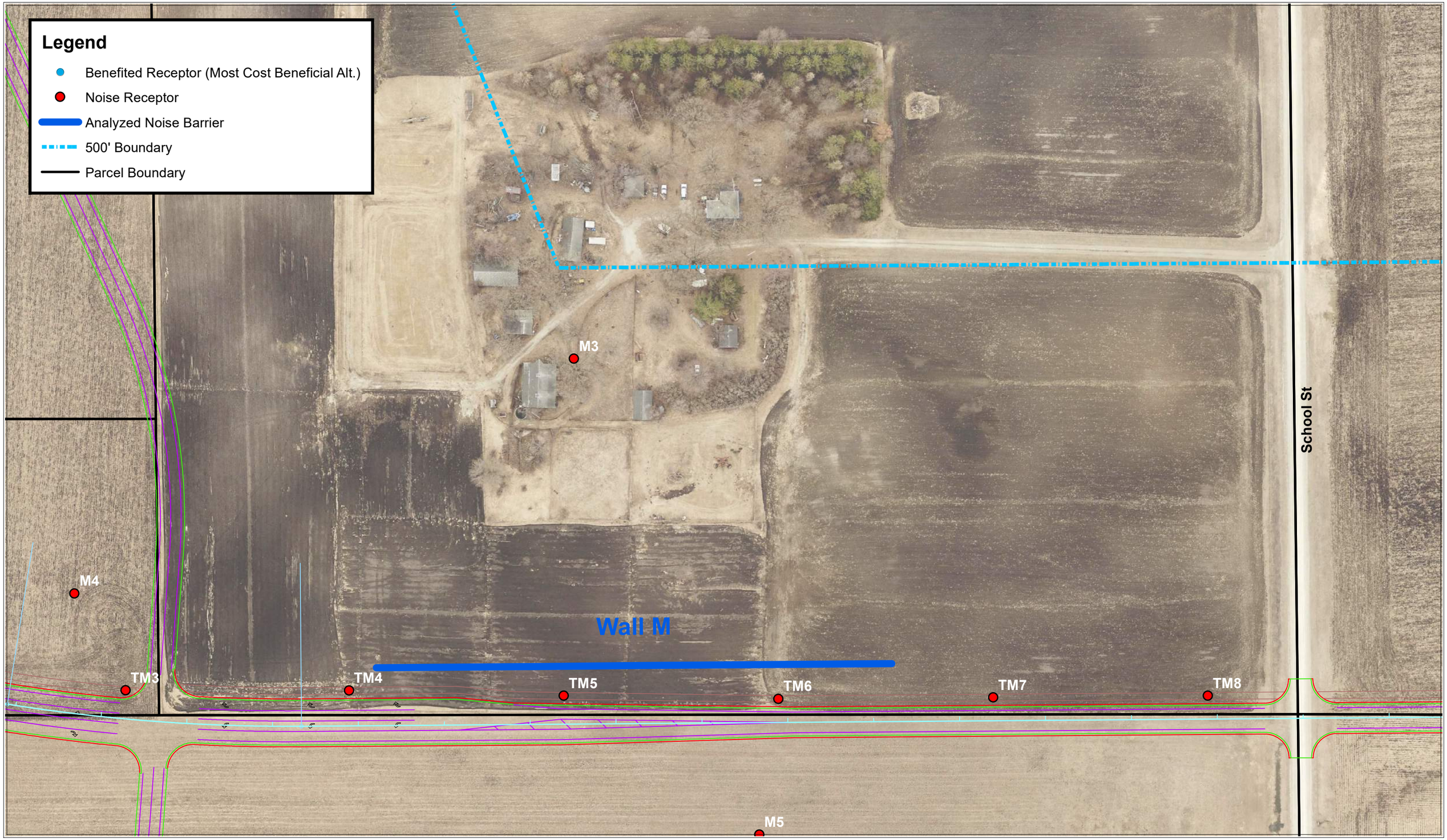
N

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TJ)

Date: 11/27/2024



N

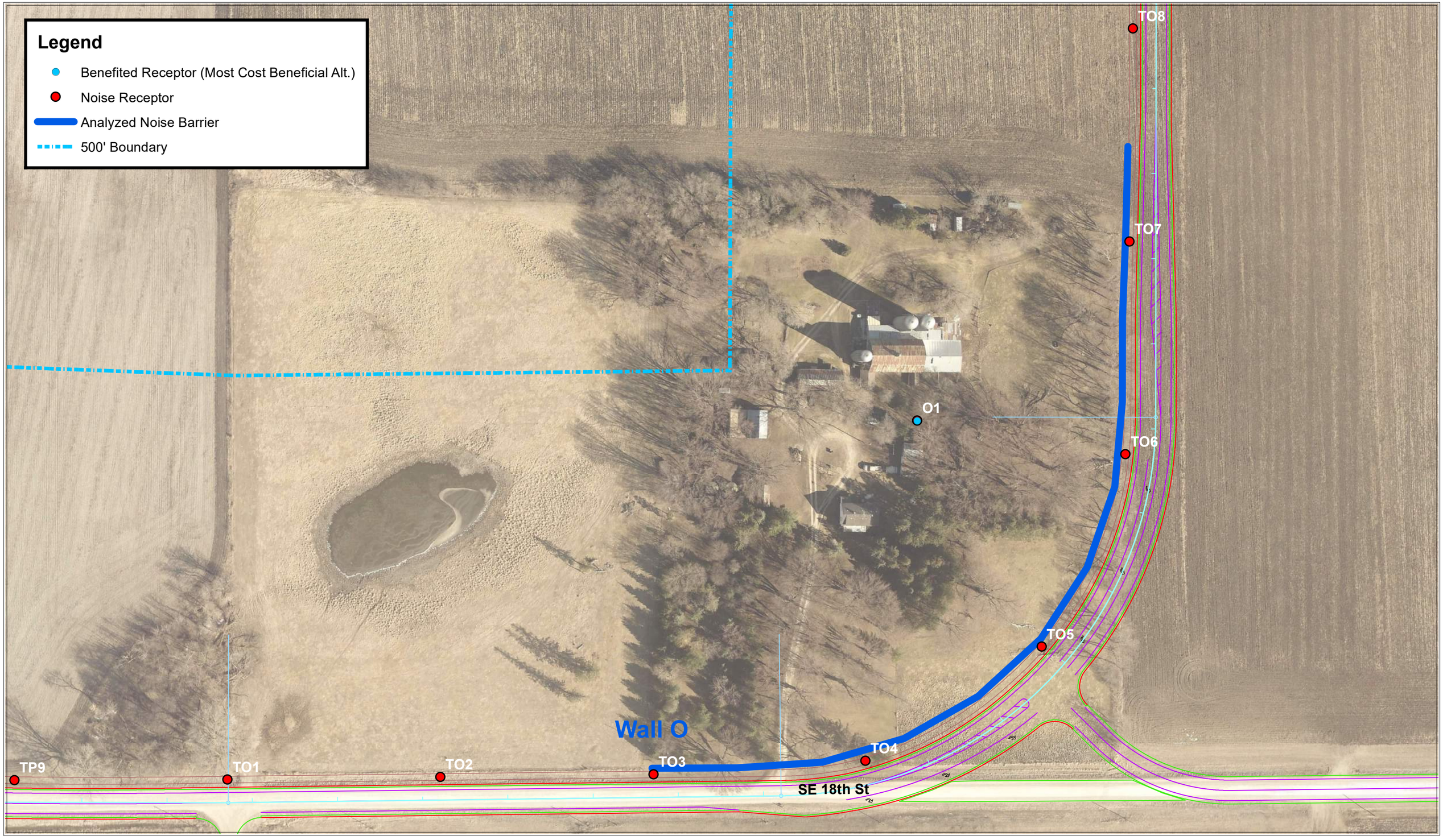
0 155 310 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall M)

Date: 11/27/2024



N

0 150 300 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall O)

Date: 11/27/2024

Legend

- Benefited Receptor (Most Cost Beneficial Alt.)
- Noise Receptor
- Analyzed Noise Barrier
- 500' Boundary
- Parcel Boundary

H35 H34 H33 H30 H29 H24

NE 26th St

TI32 TI31 TI30 TI29

Wall TI-1

G15 I32 I33 I34 I35 I31 I42 I44

Evergreen Pl NE

Kenyon Rd

Deer Trail La NE

Wood Duck La NE

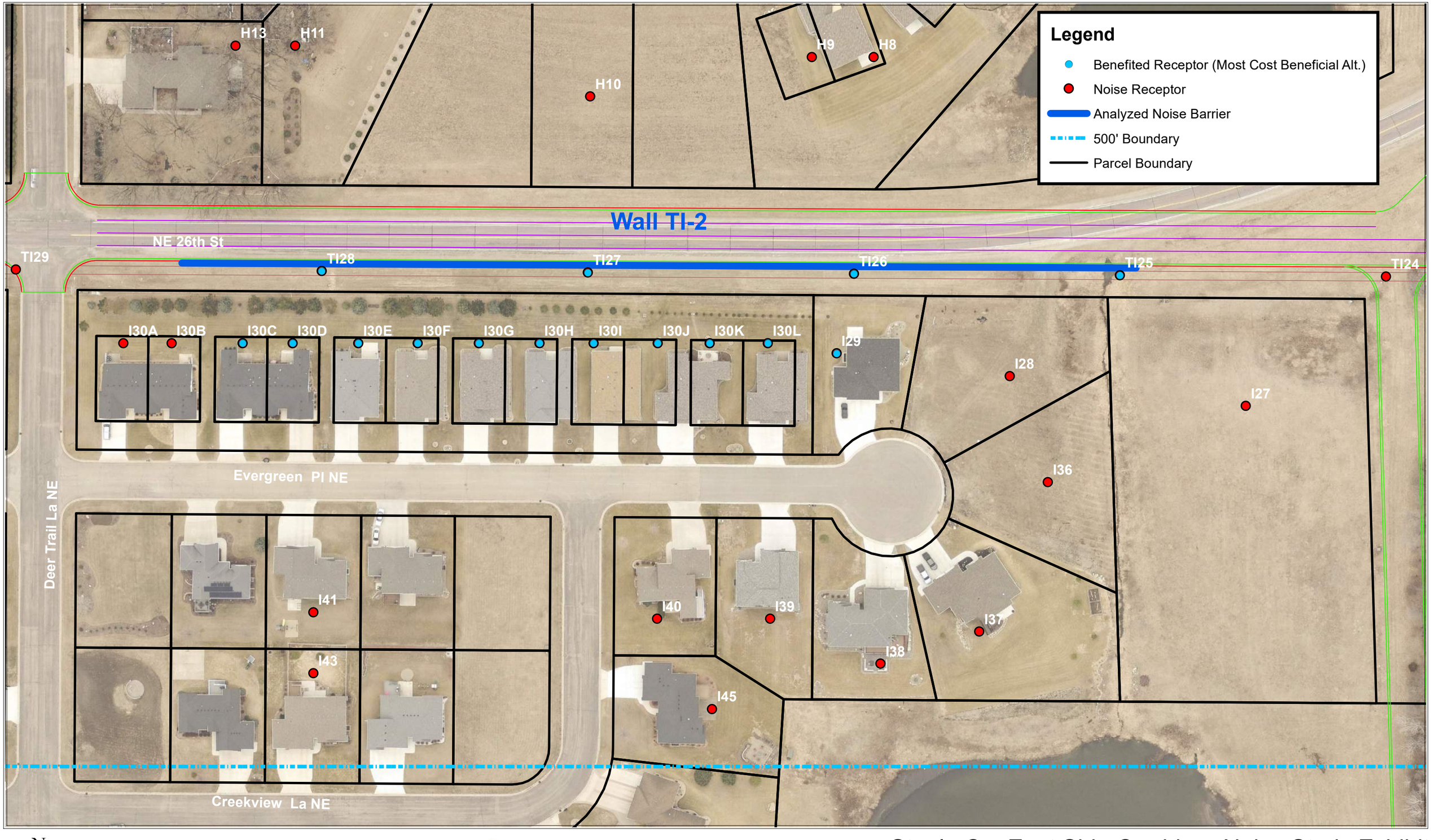
N

0 125 250 Feet

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TI-1)

Date: 11/27/2024



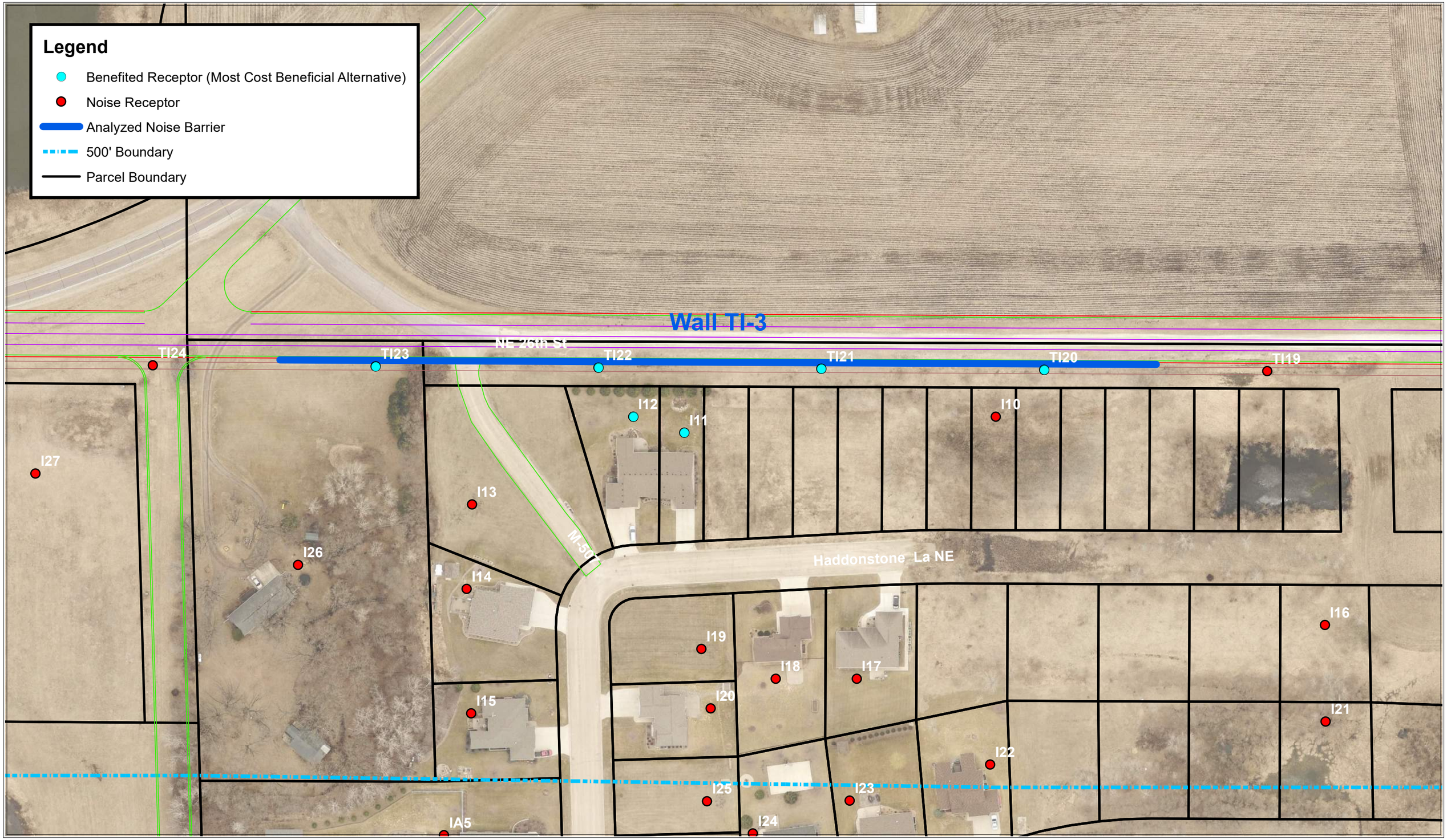
N

0 125 250 Feet

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TI-2)

Date: 11/27/2024



N

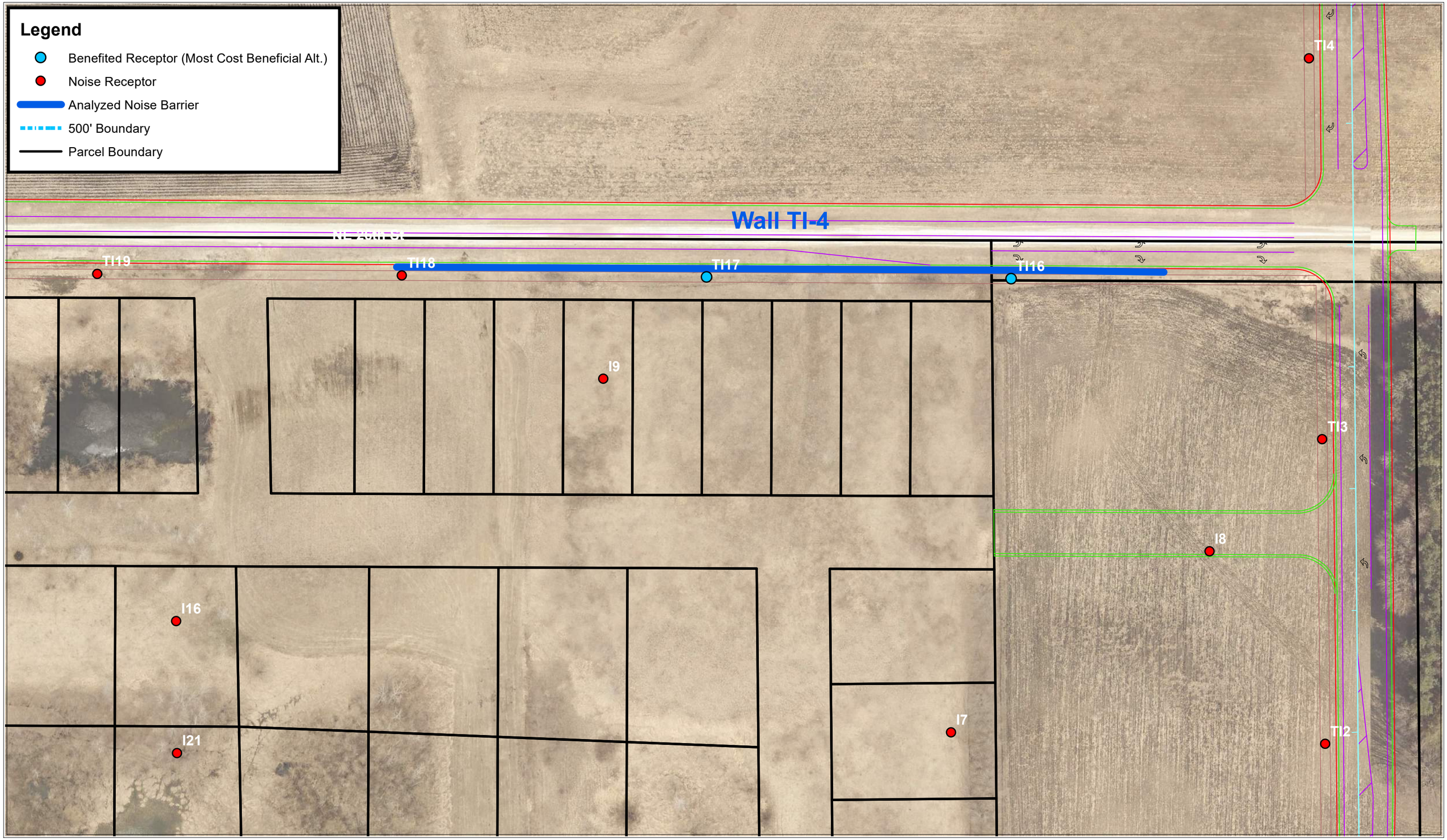
0 150 300 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TI-3)

Date: 11/27/2024



N

0 100 200 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (TI-4)

Date: 11/27/2024

Legend

- Benefited Receptor (Most Cost Beneficial Alt.)
- Noise Receptor
- Analyzed Noise Barrier
- 500' Boundary
- Parcel Boundary

I6
I7
TI16
I8
TJ8
TI1
Wall TI-5
TI2
TI3
TI4
I1
I2

N

0 100 200 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TI-5)

Date: 11/27/2024

N

0 250 500 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TL)

Date: 11/27/2024

N

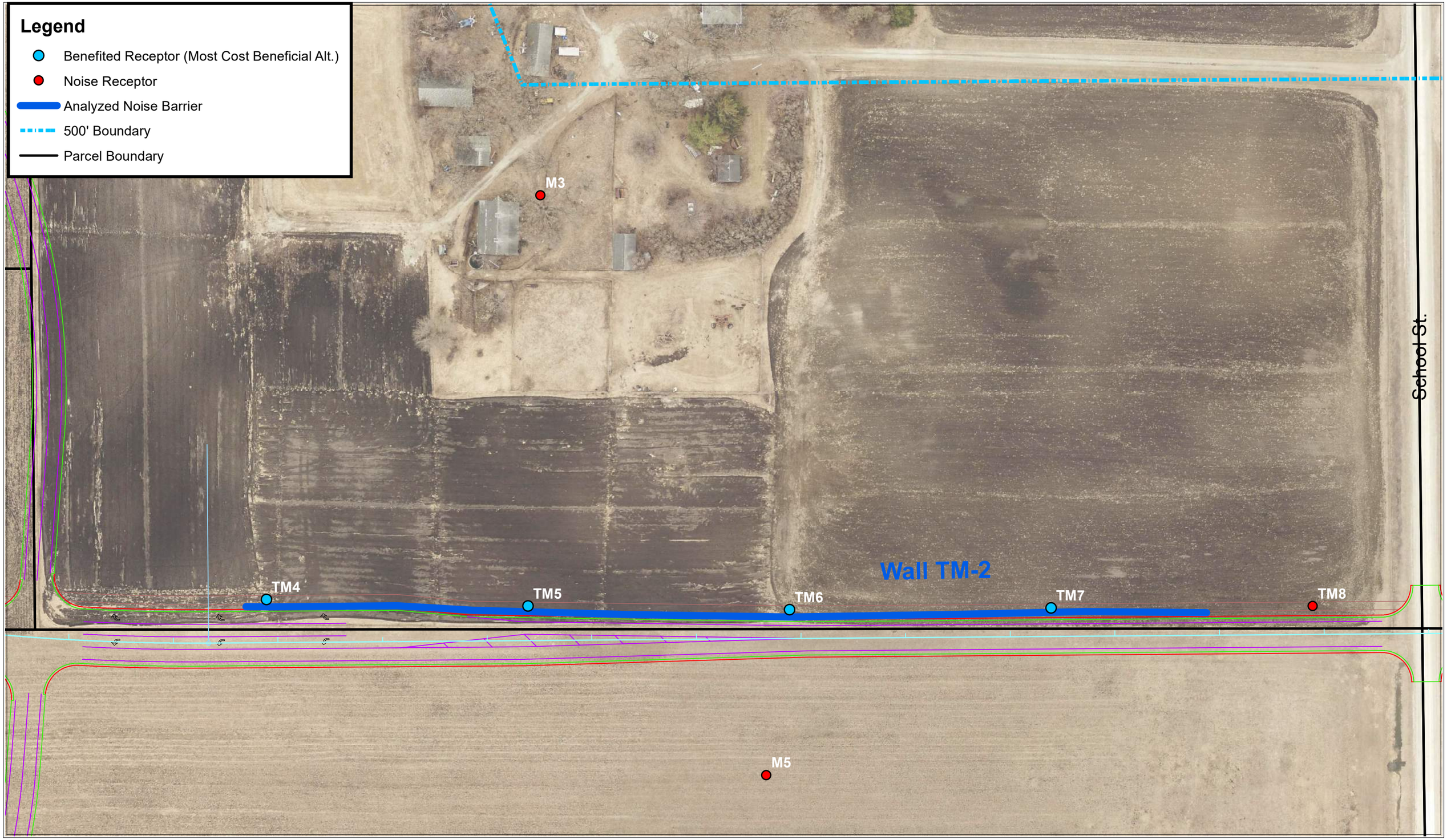
0 75 150 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TM-1)

Date: 11/27/2024



N

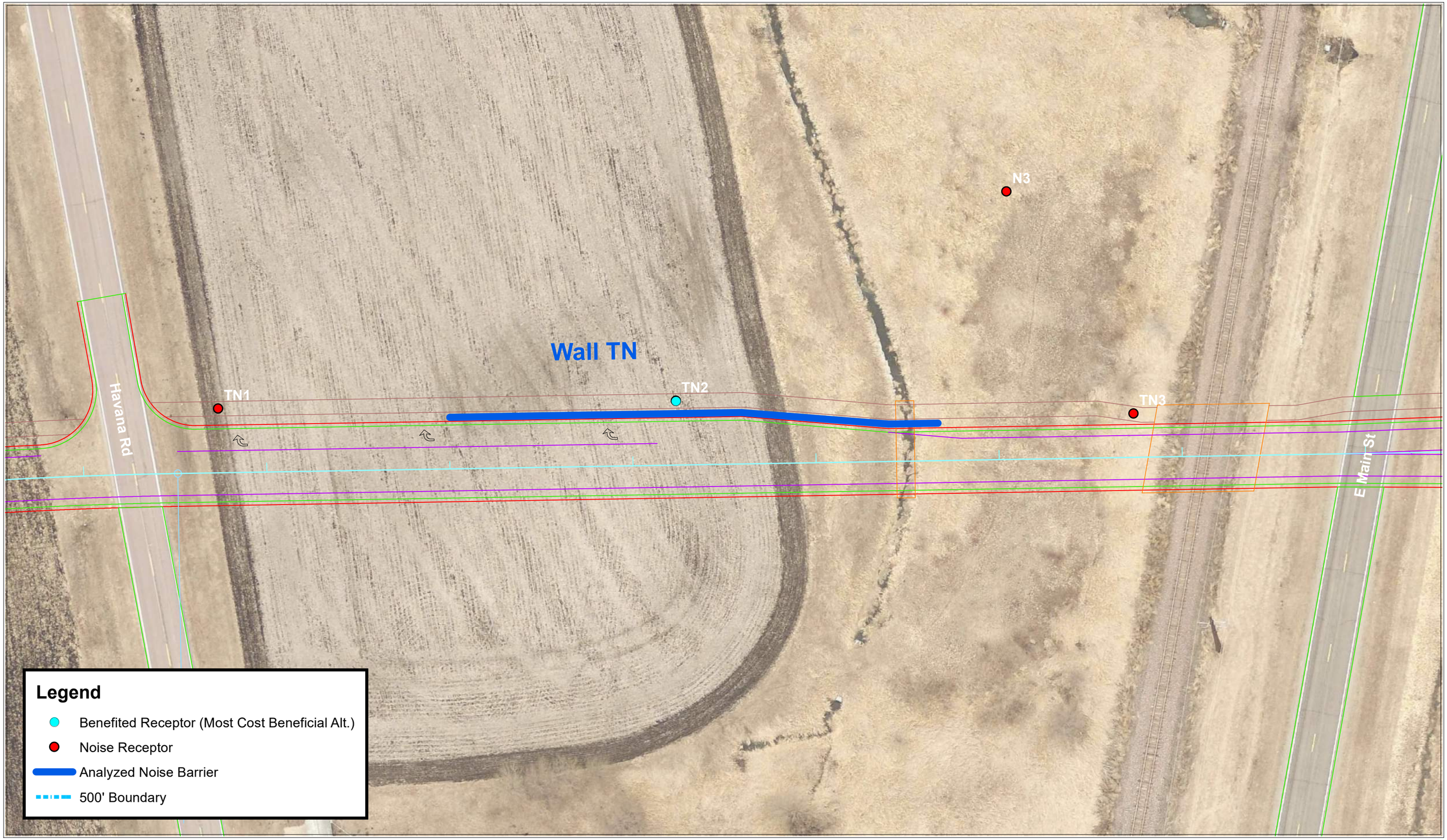
0 100 200 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TM-2)

Date: 11/27/2024



N

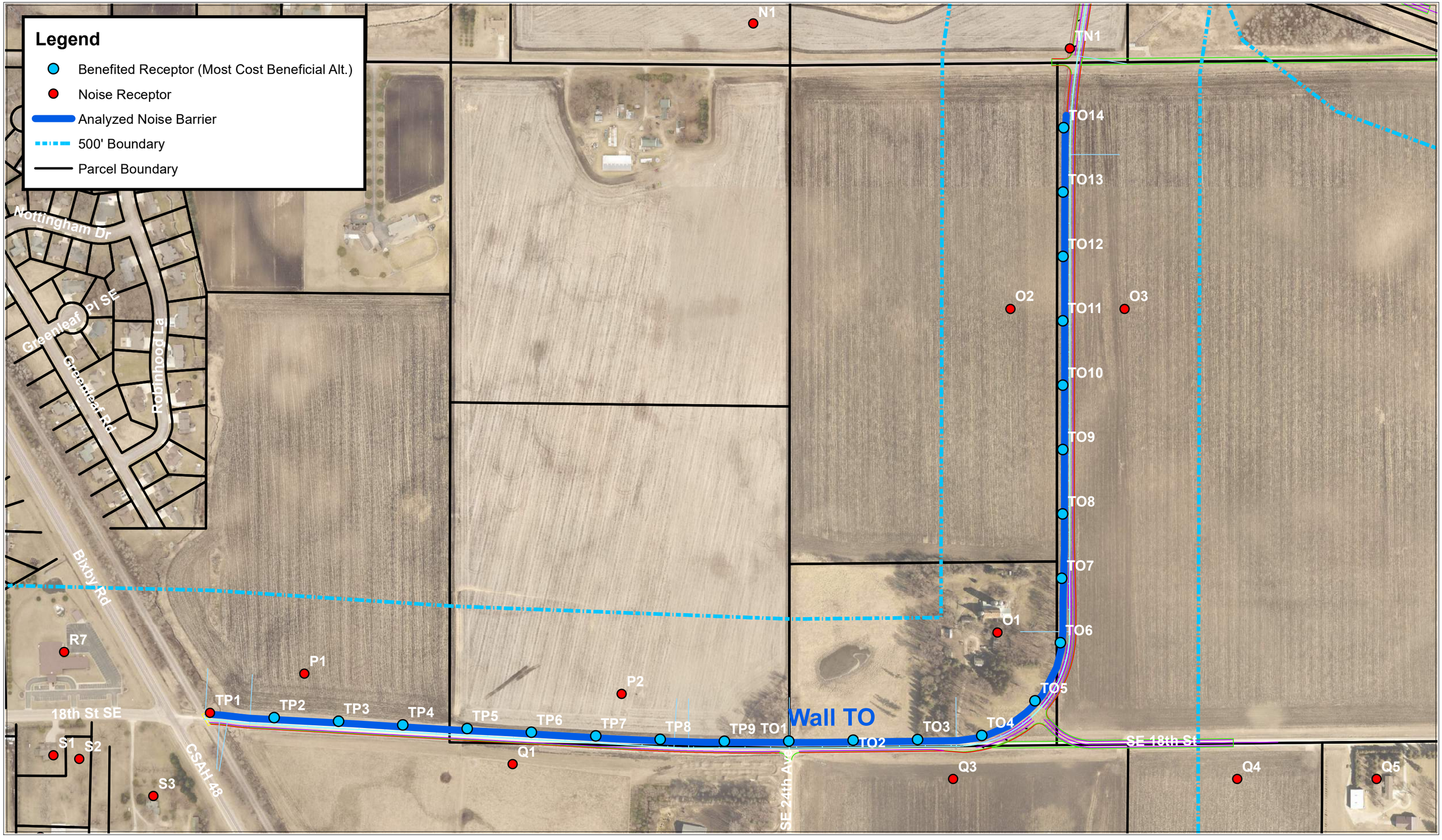
0 75 150 Feet

HZUNITED

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TN)

Date: 11/27/2024



N

0 500 1,000 Feet

Steele Co. East Side Corridor - Noise Study Exhibit

Appendix A: Noise Barrier Analysis (Wall TO)

Date: 11/27/2024

APPENDIX B – NOISE STUDY RESULTS

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
E1	1	B	67	51.6	52.7	1.1	52.8	0.1	1.2	
E2	1	B	67	59.1	60.2	1.1	60.3	0.1	1.2	
E3	1	B	67	58.9	59.9	1.0	60.0	0.1	1.1	
E4	1	B	67	54.9	55.9	1.0	56.0	0.1	1.1	
E5	1	B	67	51.9	52.9	1.0	53.1	0.2	1.2	
E6	1	B	67	49.4	50.4	1.0	50.5	0.1	1.1	
E7	1	B	67	48.0	49.0	1.0	49.1	0.1	1.1	
E8	6	B	67	62.8	63.8	1.0	63.9	0.1	1.1	
E9	4	B	67	51.7	52.7	1.0	52.8	0.1	1.1	
E10	4	B	67	50.5	51.5	1.0	51.6	0.1	1.1	
E11	1	B	67	53.2	54.3	1.1	54.3	0.0	1.1	
E12	1	B	67	51.3	52.3	1.0	52.4	0.1	1.1	
E13	1	B	67	47.8	48.8	1.0	48.9	0.1	1.1	
E14	16	B	67	62.8	63.8	1.0	63.9	0.1	1.1	
E15	9	B	67	47.8	48.8	1.0	48.9	0.1	1.1	
E16	5	B	67	47.8	48.9	1.1	49.0	0.1	1.2	
E17	5	B	67	45.7	46.7	1.0	46.9	0.2	1.2	
E18	5	B	67	44.8	45.8	1.0	45.9	0.1	1.1	
E19	1	B	67	58.2	59.1	0.9	59.4	0.3	1.2	
E20	1	G	-	60.7	61.6	0.9	61.9	-	-	
E21	1	B	67	42.7	43.7	1.0	43.9	0.2	1.2	
E22	1	B	67	55.4	56.2	0.8	56.5	0.3	1.1	
E23	1	B	67	46.6	47.2	0.6	47.3	0.1	0.7	
E24	1	B	67	45.0	45.5	0.5	45.5	0.0	0.5	
E25	1	G	-	53.0	54.1	1.1	54.2	-	-	
E26	1	B	67	46.4	47.4	1.0	47.6	0.2	1.2	
E27	1	B	67	45.2	46.2	1.0	46.4	0.2	1.2	
E28	1	B	67	46.5	47.5	1.0	47.6	0.1	1.1	
F1	1	C	67	55.4	56.4	1.0	56.5	0.1	1.1	(3)
F2	1	C	67	55.8	56.8	1.0	56.9	0.1	1.1	
F3	1	C	67	55.7	56.7	1.0	56.8	0.1	1.1	
F4	13	B	67	62.3	63.3	1.0	63.4	0.1	1.1	
F5	4	B	67	46.3	47.3	1.0	47.4	0.1	1.1	
F6	4	B	67	45.2	46.3	1.1	46.4	0.1	1.2	
F7	1	B	67	50.2	51.2	1.0	51.3	0.1	1.1	
F8	1	B	67	47.0	48.1	1.1	48.1	0.0	1.1	
F9	1	B	67	46.1	47.1	1.0	47.2	0.1	1.1	
F10	1	B	67	51.1	52.1	1.0	52.2	0.1	1.1	
F11	1	B	67	46.6	47.6	1.0	47.7	0.1	1.1	
F12	1	B	67	47.1	48.1	1.0	48.2	0.1	1.1	
F13	1	B	67	52.6	53.6	1.0	53.7	0.1	1.1	
F14	1	B	67	49.2	50.2	1.0	50.3	0.1	1.1	
F15	5	B	67	48.8	49.7	0.9	49.9	0.2	1.1	
F16	5	B	67	49.4	50.4	1.0	50.6	0.2	1.2	
F17	1	F	-	60.1	61.1	1.0	61.2	-	-	
F18	1	G	-	63.8	64.8	1.0	64.9	-	-	
G1	1	C	67	60.0	60.9	0.9	61.2	0.3	1.2	
G2	1	F	-	58.5	59.5	1.0	59.8	-	-	
G3	6	B	67	60.8	61.7	0.9	62.0	0.3	1.2	
G4	1	B	67	47.2	48.1	0.9	48.5	0.4	1.3	
G5	1	B	67	44.9	45.8	0.9	46.1	0.3	1.2	
G6	1	B	67	38.3	39.1	0.8	39.3	0.2	1.0	
G7	1	B	67	38.7	39.5	0.8	39.8	0.3	1.1	
G8	1	B	67	40.4	41.2	0.8	41.5	0.3	1.1	
G9	1	B	67	39.1	40.0	0.9	40.3	0.3	1.2	
G10	1	B	67	43.9	44.7	0.8	45.1	0.4	1.2	
G11	1	B	67	43.1	43.9	0.8	44.0	0.1	0.9	
G12	1	B	67	54.6	55.5	0.9	55.8	0.3	1.2	
G13	1	B	67	51.0	51.7	0.7	51.7	0.0	0.7	
G14	1	B	67	48.4	49.0	0.6	49.0	0.0	0.6	
G15	1	B	67	59.5	60.4	0.9	60.7	0.3	1.2	
H1	1	B	67	52.4	53.3	0.9	56.6	3.3	4.2	
H2	1	G	-	51.0	51.9	0.9	40.1	-	-	
H3	1	B	67	45.6	46.3	0.7	45.1	-1.2	-0.5	(1)
H4	1	B	67	46.7	47.5	0.8	47.0	-0.5	0.3	
H5	1	B	67	47.1	47.8	0.7	47.9	0.1	0.8	

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
H6	1	B	67	48.6	49.4	0.8	50.2	0.8	1.6	
H7	1	B	67	50.4	51.2	0.8	52.3	1.1	1.9	
H8	1	B	67	53.7	54.6	0.9	54.5	-0.1	0.8	
H9	1	B	67	53.3	54.2	0.9	54.3	0.1	1.0	
H10	3	G	-	56.0	56.9	0.9	56.2	-	-	
H11	1	B	67	51.8	52.7	0.9	53.0	0.3	1.2	
H12	1	B	67	46.5	47.3	0.8	47.5	0.2	1.0	
H13	1	B	67	50.3	51.1	0.8	51.4	0.3	1.1	
H14	1	B	67	47.2	48.1	0.9	48.2	0.1	1.0	
H15	1	B	67	45.6	46.4	0.8	46.6	0.2	1.0	
H16	1	B	67	43.0	43.8	0.8	43.1	-0.7	0.1	
H17	1	B	67	42.2	42.9	0.7	43.5	0.6	1.3	
H18	1	B	67	42.9	43.6	0.7	42.1	-1.5	-0.8	(1)
H19	1	B	67	38.4	39.2	0.8	38.5	-0.7	0.1	
H20	1	B	67	40.2	40.9	0.7	40.4	-0.5	0.2	
H21	1	B	67	41.5	42.3	0.8	41.9	-0.4	0.4	
H22	1	B	67	40.9	41.7	0.8	40.8	-0.9	-0.1	(1)
H23	1	B	67	42.0	42.8	0.8	42.9	0.1	0.9	
H24	1	B	67	48.1	49.0	0.9	48.3	-0.7	0.2	
H25	1	B	67	46.9	47.7	0.8	48.5	0.8	1.6	
H26	1	B	67	43.0	43.8	0.8	44.2	0.4	1.2	
H27	1	B	67	43.2	44.0	0.8	44.6	0.6	1.4	
H28	1	B	67	42.9	43.7	0.8	44.1	0.4	1.2	
H29	1	B	67	56.2	57.1	0.9	55.7	-1.4	-0.5	(1)
H30	1	B	67	51.6	52.4	0.8	52.8	0.4	1.2	
H31	1	B	67	44.3	45.1	0.8	46.6	1.5	2.3	
H32	1	B	67	42.5	43.3	0.8	44.1	0.8	1.6	
H33	1	B	67	58.5	59.4	0.9	57.4	-2.0	-1.1	(1)
H34	1	B	67	57.7	58.6	0.9	56.9	-1.7	-0.8	(1)
H35	1	B	67	53.9	54.8	0.9	54.8	0.0	0.9	
H36	1	B	67	46.3	47.1	0.8	48.7	1.6	2.4	
H37	1	B	67	43.2	44.0	0.8	45.4	1.4	2.2	
H38	1	B	67	44.9	45.7	0.8	46.9	1.2	2.0	
H39	1	B	67	43.2	44.1	0.9	45.0	0.9	1.8	
H40	1	B	67	41.8	42.7	0.9	44.2	1.5	2.4	
H41	1	G	-	44.7	45.5	0.8	48.6	-	-	
H42	1	B	67	44.7	45.5	0.8	43.7	-1.8	-1.0	(1)
I1	1	G	-	33.7	34.2	0.5	55.7	-	-	
I2	1	B	67	36.7	37.0	0.3	58.9	21.9	22.2	
I3	1	B	67	43.7	43.7	0.0	47.4	3.7	3.7	
I4	1	G	-	48.2	49.1	0.9	52.1	-	-	
I5	1	G	-	33.5	34.0	0.5	47.2	-	-	
I6	1	G	-	33.7	34.2	0.5	48.9	-	-	
I7	3	G	-	36.8	37.2	0.4	50.9	-	-	
I8	1	G	-	38.7	38.9	0.2	56.2	-	-	
I9	10	G	-	45.6	45.7	0.1	56.8	-	-	
I10	14	G	-	47.7	47.8	0.1	55.4	-	-	
I11	1	B	67	46.9	47.2	0.3	54.8	7.6	7.9	
I12	1	B	67	48.3	48.5	0.2	55.7	7.2	7.4	
I13	1	B	67	45.9	46.6	0.7	54.0	7.4	8.1	
I14	1	B	67	43.5	44.2	0.7	50.1	5.9	6.6	
I15	1	B	67	40.3	41.1	0.8	43.5	2.4	3.2	
I16	9	G	-	39.3	39.7	0.4	48.9	-	-	
I17	1	B	67	39.4	39.8	0.4	47.9	8.1	8.5	
I18	1	B	67	40.1	40.6	0.5	48.1	7.5	8.0	
I19	1	G	-	40.5	41.0	0.5	49.0	-	-	
I20	1	B	67	38.9	39.4	0.5	46.2	6.8	7.3	
I21	8	G	-	37.5	38.0	0.5	46.5	-	-	
I22	1	B	67	37.9	38.4	0.5	45.3	6.9	7.4	
I23	1	B	67	38.0	38.6	0.6	44.3	5.7	6.3	
I24	1	B	67	37.7	38.4	0.7	43.3	4.9	5.6	
I25	1	G	-	36.7	37.3	0.6	43.8	-	-	
I26	1	B	67	46.0	46.9	0.9	51.5	4.6	5.5	
I27	1	G	-	52.1	52.9	0.8	55.1	-	-	
I28	1	B	67	55.2	56.1	0.9	55.4	-0.7	0.2	
I29	1	B	67	58.2	59.1	0.9	56.9	-2.2	-1.3	(1)

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
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XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
I30	10	B	67	58.7	59.6	0.9	57.2	-2.4	-1.5	(1)
I31	1	B	67	58.5	59.4	0.9	57.2	-2.2	-1.3	
I32	1	G	-	56.9	57.8	0.9	58.4	-	-	
I33	1	G	-	56.6	57.4	0.8	57.8	-	-	
I34	1	G	-	56.4	57.2	0.8	57.3	-	-	
I35	1	B	67	55.4	56.2	0.8	56.3	0.1	0.9	
I36	1	B	67	49.3	50.2	0.9	50.7	0.5	1.4	
I37	1	B	67	45.1	45.9	0.8	46.1	0.2	1.0	
I38	1	B	67	43.8	44.6	0.8	44.4	-0.2	0.6	
I39	1	B	67	43.2	44.0	0.8	44.1	0.1	0.9	
I40	1	B	67	43.8	44.6	0.8	43.9	-0.7	0.1	
I41	3	B	67	41.0	41.8	0.8	41.1	-0.7	0.1	
I42	10	G	-	46.3	47.0	0.7	45.4	-	-	(1)
I43	3	B	67	41.9	42.7	0.8	42.1	-0.6	0.2	
I44	9	B	67	44.9	45.7	0.8	44.1	-1.6	-0.8	(1)
I45	1	B	67	42.3	43.1	0.8	42.6	-0.5	0.3	
I46	1	B	67	53.4	54.2	0.8	47.0	-7.2	-6.4	(1)
J1	1	B	67	53.6	54.3	0.7	57.1	2.8	3.5	
J2	1	G	-	36.9	37.7	0.8	53.0	-	-	
J3	1	G	-	35.1	35.9	0.8	58.5	-	-	
K1	1	B	67	56.5	57.5	1.0	60.0	2.5	3.5	
K2	1	B	67	45.2	46.3	1.1	57.9	11.6	12.7	
K3	1	B	67	40.7	42.1	1.4	52.3	10.2	11.6	
K4	1	B	67	43.0	44.1	1.1	54.6	10.5	11.6	
K5	1	B	67	40.0	41.3	1.3	54.8	13.5	14.8	
K6	1	B	67	37.0	39.5	2.5	50.4	10.9	13.4	
K7	1	B	67	40.4	43.7	3.3	52.1	8.4	11.7	
K8	1	B	67	39.1	42.2	3.1	49.6	7.4	10.5	
K9	1	B	67	38.0	41.1	3.1	60.6	19.5	22.6	
K10	1	B	67	37.2	41.5	4.3	52.3	10.8	15.1	
K11	1	B	67	36.2	38.8	2.6	60.4	21.6	24.2	
K12	1	B	67	33.3	34.8	1.5	58.6	23.8	25.3	
K13	1	B	67	32.9	34.3	1.4	58.8	24.5	25.9	
K14	1	B	67	32.4	33.7	1.3	58.7	25.0	26.3	
K15	1	B	67	31.8	33.1	1.3	58.8	25.7	27.0	
K16	1	B	67	36.3	40.3	4.0	58.5	18.2	22.2	
K17	1	B	67	34.9	38.4	3.5	57.8	19.4	22.9	
K18	1	B	67	31.1	32.3	1.2	54.9	22.6	23.8	
K19	1	B	67	34.3	37.6	3.3	55.0	17.4	20.7	
K20	1	B	67	28.3	29.5	1.2	52.2	22.7	23.9	
K21	1	B	67	59.9	60.9	1.0	62.0	1.1	2.1	
K22	1	B	67	59.1	60.1	1.0	61.1	1.0	2.0	
K23	1	B	67	42.8	45.8	3.0	44.4	-1.4	1.6	
K24	1	B	67	39.2	42.0	2.8	41.2	-0.8	2.0	
K25	1	B	67	42.2	46.2	4.0	44.9	-1.3	2.7	
K26	1	B	67	38.6	42.9	4.3	44.8	1.9	6.2	
K27	1	B	67	38.6	42.2	3.6	46.9	4.7	8.3	
K28	1	B	67	38.3	42.7	4.4	48.3	5.6	10.0	
K29	1	B	67	40.0	44.5	4.5	48.7	4.2	8.7	
K30	1	B	67	33.7	38.2	4.5	35.1	-3.1	1.4	
K31	1	B	67	37.7	42.3	4.6	39.9	-2.4	2.2	
K32	1	B	67	42.6	47.5	4.9	45.2	-2.3	2.6	
K33	1	B	67	39.7	44.9	5.2	45.3	0.4	5.6	
K34	1	B	67	43.0	48.1	5.1	47.5	-0.6	4.5	
K35	1	B	67	33.5	38.3	4.8	49.6	11.3	16.1	
K36	1	B	67	30.9	33.4	2.5	49.1	15.7	18.2	
K37	1	B	67	60.4	61.4	1.0	62.4	1.0	2.0	
K38	1	B	67	60.3	61.3	1.0	62.3	1.0	2.0	
K39	1	B	67	60.1	61.2	1.1	62.1	0.9	2.0	
K40	1	B	67	60.8	61.8	1.0	62.8	1.0	2.0	
K41	1	B	67	41.6	44.1	2.5	43.9	-0.2	2.3	
K42	1	B	67	41.2	44.2	3.0	43.4	-0.8	2.2	
K43	1	B	67	38.3	42.5	4.2	43.7	1.2	5.4	
K44	1	B	67	39.5	43.2	3.7	46.5	3.3	7.0	
K45	1	B	67	38.3	42.1	3.8	44.5	2.4	6.2	
K46	1	B	67	38.2	42.5	4.3	46.9	4.4	8.7	

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
K47	1	B	67	38.3	42.6	4.3	45.6	3.0	7.3	
K48	1	B	67	38.0	42.3	4.3	45.3	3.0	7.3	
K49	1	B	67	37.9	42.1	4.2	43.7	1.6	5.8	
K50	1	B	67	38.0	42.6	4.6	40.4	-2.2	2.4	
K51	1	B	67	39.0	43.9	4.9	41.6	-2.3	2.6	
K52	1	B	67	37.9	42.6	4.7	40.7	-1.9	2.8	
K53	1	B	67	37.1	42.5	5.4	44.4	1.9	7.3	
K54	1	B	67	34.8	40.3	5.5	41.2	0.9	6.4	
K55	1	B	67	35.8	40.8	5.0	39.9	-0.9	4.1	
K56	1	B	67	35.7	40.5	4.8	41.0	0.5	5.3	
K57	1	B	67	34.7	39.4	4.7	48.0	8.6	13.3	
K58	1	B	67	35.2	39.7	4.5	45.9	6.2	10.7	
K59	1	B	67	32.1	35.6	3.5	46.4	10.8	14.3	
K60	1	B	67	31.7	34.8	3.1	46.5	11.7	14.8	
K61	1	B	67	31.8	33.7	1.9	45.9	12.2	14.1	
K62	1	B	67	61.2	62.2	1.0	63.2	1.0	2.0	
K63	1	B	67	61.2	62.2	1.0	63.2	1.0	2.0	
K64	1	B	67	61.2	62.2	1.0	63.1	0.9	1.9	
K65	1	B	67	61.1	62.1	1.0	63.1	1.0	2.0	
K66	1	B	67	61.0	62.0	1.0	63.0	1.0	2.0	
K67	1	B	67	61.0	62.0	1.0	63.0	1.0	2.0	
K68	1	B	67	59.5	60.5	1.0	61.4	0.9	1.9	
K69	1	B	67	60.0	61.0	1.0	62.0	1.0	2.0	
K70	1	B	67	57.7	58.7	1.0	59.5	0.8	1.8	
K71	1	B	67	58.6	59.6	1.0	60.3	0.7	1.7	
K72	1	B	67	41.0	43.5	2.5	43.3	-0.2	2.3	
K73	1	B	67	40.9	43.6	2.7	43.0	-0.6	2.1	
K74	1	B	67	41.5	44.0	2.5	43.1	-0.9	1.6	
K75	1	B	67	42.9	44.8	1.9	44.1	-0.7	1.2	
K76	1	B	67	46.3	47.8	1.5	46.0	-1.8	-0.3	(2)
K77	1	B	67	50.2	51.4	1.2	49.1	-2.3	-1.1	(2)
K78	1	B	67	41.2	43.8	2.6	43.2	-0.6	2.0	
K79	1	B	67	42.0	44.4	2.4	43.9	-0.5	1.9	
K80	1	B	67	42.4	44.7	2.3	44.1	-0.6	1.7	
K81	1	B	67	44.0	45.9	1.9	45.0	-0.9	1.0	
K82	1	B	67	45.4	47.1	1.7	45.8	-1.3	0.4	
K83	1	B	67	50.4	51.6	1.2	49.4	-2.2	-1.0	(2)
K84	1	B	67	38.3	42.4	4.1	42.5	0.1	4.2	
K85	1	B	67	39.4	43.3	3.9	42.8	-0.5	3.4	
K86	1	B	67	40.0	43.4	3.4	42.8	-0.6	2.8	
K87	1	B	67	41.3	44.2	2.9	43.0	-1.2	1.7	
K88	1	B	67	43.8	45.8	2.0	44.1	-1.7	0.3	
K89	1	B	67	47.7	49.1	1.4	46.5	-2.6	-1.2	(2)
K90	1	B	67	38.4	42.0	3.6	43.7	1.7	5.3	
K91	1	B	67	40.2	43.6	3.4	44.7	1.1	4.5	
K92	1	B	67	41.9	45.5	3.6	46.7	1.2	4.8	
K93	1	B	67	42.3	44.7	2.4	45.0	0.3	2.7	
K94	1	B	67	44.3	46.1	1.8	45.4	-0.7	1.1	
K95	1	B	67	48.9	50.1	1.2	47.9	-2.2	-1.0	(2)
K96	1	B	67	38.2	42.3	4.1	44.9	2.6	6.7	
K97	1	B	67	38.7	42.5	3.8	44.4	1.9	5.7	
K98	1	B	67	39.4	42.8	3.4	44.1	1.3	4.7	
K99	1	B	67	41.0	43.7	2.7	44.3	0.6	3.3	
K100	1	B	67	43.5	45.3	1.8	45.5	0.2	2.0	
K101	1	B	67	50.4	51.3	0.9	50.7	-0.6	0.3	
K102	1	B	67	37.7	41.6	3.9	43.3	1.7	5.6	
K103	1	B	67	38.6	42.3	3.7	43.0	0.7	4.4	
K104	1	B	67	39.1	42.5	3.4	42.7	0.2	3.6	
K105	1	B	67	40.7	43.7	3.0	43.2	-0.5	2.5	
K106	1	B	67	43.6	45.4	1.8	44.8	-0.6	1.2	
K107	1	B	67	48.7	49.7	1.0	49.0	-0.7	0.3	
K108	1	B	67	37.0	41.1	4.1	40.0	-1.1	3.0	
K109	1	B	67	37.4	41.6	4.2	40.0	-1.6	2.6	
K110	1	B	67	37.9	41.9	4.0	39.7	-2.2	1.8	
K111	1	B	67	39.3	42.6	3.3	40.6	-2.0	1.3	
K112	1	B	67	42.3	44.5	2.2	42.9	-1.6	0.6	

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
K113	1	B	67	49.1	50.7	1.6	49.3	-1.4	0.2	
K114	1	B	67	36.9	41.4	4.5	39.8	-1.6	2.9	
K115	1	B	67	37.7	41.8	4.1	40.1	-1.7	2.4	
K116	1	B	67	38.8	42.5	3.7	40.6	-1.9	1.8	
K117	1	B	67	41.2	43.8	2.6	42.4	-1.4	1.2	
K118	1	B	67	44.4	46.2	1.8	44.8	-1.4	0.4	
K119	1	B	67	48.7	50.2	1.5	48.8	-1.4	0.1	
K120	1	B	67	37.5	42.3	4.8	41.1	-1.2	3.6	
K121	1	B	67	37.8	42.3	4.5	41.4	-0.9	3.6	
K122	1	B	67	38.2	42.5	4.3	41.5	-1.0	3.3	
K123	1	B	67	39.4	42.8	3.4	41.5	-1.3	2.1	
K124	1	B	67	41.2	43.7	2.5	42.5	-1.2	1.3	
K125	1	B	67	46.0	47.3	1.3	46.4	-0.9	0.4	
K126	1	B	67	38.9	43.9	5.0	41.6	-2.3	2.7	
K127	1	B	67	37.4	42.2	4.8	41.9	-0.3	4.5	
K128	1	B	67	37.3	41.6	4.3	40.4	-1.2	3.1	
K129	1	B	67	39.0	42.4	3.4	41.1	-1.3	2.1	
K130	1	B	67	42.4	44.6	2.2	43.3	-1.3	0.9	
K131	1	B	67	47.2	48.6	1.4	47.5	-1.1	0.3	
K132	1	B	67	35.6	40.1	4.5	44.3	4.2	8.7	
K133	1	B	67	35.5	40.0	4.5	43.1	3.1	7.6	
K134	1	B	67	34.8	39.2	4.4	41.4	2.2	6.6	
K135	1	B	67	37.1	41.0	3.9	41.8	0.8	4.7	
K136	1	B	67	38.9	41.7	2.8	41.9	0.2	3.0	
K137	1	B	67	44.2	46.6	2.4	45.2	-1.4	1.0	
K138	1	B	67	32.7	36.4	3.7	44.2	7.8	11.5	
K139	1	B	67	33.5	37.0	3.5	42.0	5.0	8.5	
K140	1	B	67	36.1	38.4	2.3	41.2	2.8	5.1	
K141	1	B	67	38.2	40.0	1.8	41.5	1.5	3.3	
K142	1	B	67	42.5	43.8	1.3	43.8	0.0	1.3	
K143	1	B	67	31.7	33.0	1.3	43.0	10.0	11.3	
K144	1	B	67	32.7	33.7	1.0	40.3	6.6	7.6	
K145	1	B	67	33.3	34.3	1.0	39.7	5.4	6.4	
K146	1	B	67	33.6	34.6	1.0	39.3	4.7	5.7	
K147	1	G	-	30.8	32.0	1.2	49.3	-	-	
K148	1	G	-	55.4	56.2	0.8	55.3	-	-	
K149	1	G	-	35.5	37.2	1.7	58.0	-	-	
K150	1	B	67	54.1	54.9	0.8	57.3	2.4	3.2	
L1	1	G	-	36.6	36.7	0.1	57.7	-	-	
L2	1	G	-	43.0	43.0	0.0	58.9	-	-	
L3	1	G	-	36.6	36.8	0.2	59.2	-	-	
L4	1	G	-	42.6	42.6	0.0	58.7	-	-	
M1	1	B	67	42.2	42.2	0.0	43.9	1.7	1.7	
M2	1	G	-	55.7	55.7	0.0	54.4	-	-	
M3	1	B	67	39.9	40.0	0.1	50.1	10.1	10.2	
M4	1	G	-	45.4	45.5	0.1	62.0	-	-	
M5	1	G	-	38.2	38.3	0.1	59.6	-	-	
N1	1	G	-	48.3	48.4	0.1	53.1	-	-	
N2	1	G	-	48.0	48.0	0.0	49.3	-	-	
N3	1	G	-	52.3	52.3	0.0	58.6	-	-	
N4	1	G	-	52.8	52.8	0.0	54.4	-	-	
O1	1	B	67	47.3	48.2	0.9	53.3	5.1	6.0	
O2	1	G	-	39.0	39.6	0.6	53.8	-	-	
O3	1	G	-	39.1	39.6	0.5	54.4	-	-	
P1	1	G	-	57.2	58.1	0.9	59.1	-	-	
P2	1	G	-	57.7	58.7	1.0	60.1	-	-	
Q1	1	G	-	64.1	65.1	1.0	64.8	-	-	
Q2	1	B	67	49.0	50.0	1.0	50.1	0.1	1.1	
Q3	1	G	-	61.2	62.2	1.0	63.2	-	-	
Q4	1	G	-	60.4	61.4	1.0	58.9	-	-	
Q5	1	B	67	59.9	60.8	0.9	58.3	-2.5	-1.6	(4)
R1	1	C	67	52.0	53.0	1.0	52.8	-0.2	0.8	
R2	1	B	67	53.5	54.5	1.0	54.5	0.0	1.0	
R3	1	B	67	49.3	50.3	1.0	50.2	-0.1	0.9	
R4	1	B	67	49.0	50.0	1.0	49.9	-0.1	0.9	
R5	1	B	67	50.2	51.2	1.0	51.2	0.0	1.0	

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
R6	1	B	67	51.0	51.9	0.9	51.9	0.0	0.9	
R7	1	B	67	54.8	55.8	1.0	55.5	-0.3	0.7	
S1	1	B	67	56.3	57.3	1.0	57.3	0.0	1.0	
S2	1	B	67	56.3	57.3	1.0	57.4	0.1	1.1	
S3	1	B	67	58.3	59.3	1.0	59.4	0.1	1.1	
S4	1	F	-	47.6	48.6	1.0	48.7	-	-	
TP1	1	C	67	-	-	-	71.1			
TP2	1	C	67	-	-	-	71.4			
TP3	1	C	67	-	-	-	71.5			
TP4	1	C	67	-	-	-	71.2			
TP5	1	C	67	-	-	-	71.0			
TP6	1	C	67	-	-	-	71.2			
TP7	1	C	67	-	-	-	71.2			
TP8	1	C	67	-	-	-	71.2			
TP9	1	C	67	-	-	-	71.4			
TO1	1	C	67	-	-	-	71.3			
TO2	1	C	67	-	-	-	71.1			
TO3	1	C	67	-	-	-	71.1			
TO4	1	C	67	-	-	-	71.2			
TO5	1	C	67	-	-	-	68.2			
TO6	1	C	67	-	-	-	66.3			
TO7	1	C	67	-	-	-	66.2			
TO8	1	C	67	-	-	-	67.5			
TO9	1	C	67	-	-	-	67.3			
TO10	1	C	67	-	-	-	66.7			
TO11	1	C	67	-	-	-	67.0			
TO12	1	C	67	-	-	-	67.0			
TO13	1	C	67	-	-	-	66.9			
TO14	1	C	67	-	-	-	66.8			
TN1	1	C	67	-	-	-	66.9			
TN2	1	C	67	-	-	-	65.9			
TN3	1	C	67	-	-	-	67.9			
TM1	1	C	67	-	-	-	66.7			
TM2	1	C	67	-	-	-	66.3			
TM3	1	C	67	-	-	-	67.9			
TM4	1	C	67	-	-	-	65.6			
TM5	1	C	67	-	-	-	66.5			
TM6	1	C	67	-	-	-	67.4			
TM7	1	C	67	-	-	-	68.0			
TM8	1	C	67	-	-	-	67.6			
TL1	1	C	67	-	-	-	67.5			
TL2	1	C	67	-	-	-	67.4			
TL3	1	C	67	-	-	-	67.5			
TL4	1	C	67	-	-	-	67.4			
TL5	1	C	67	-	-	-	67.4			
TL6	1	C	67	-	-	-	67.4			
TL7	1	C	67	-	-	-	67.4			
TL8	1	C	67	-	-	-	67.1			
TL9	1	C	67	-	-	-	66.4			
TL10	1	C	67	-	-	-	66.9			
TK1	1	C	67	-	-	-	64.8			
TK2	1	C	67	-	-	-	64.1			
TK3	1	C	67	-	-	-	63.9			
TK4	1	C	67	-	-	-	64.0			
TK5	1	C	67	-	-	-	64.0			
TK6	1	C	67	-	-	-	64.2			
TK7	1	C	67	-	-	-	64.2			
TK8	1	C	67	-	-	-	63.9			
TK9	1	C	67	-	-	-	63.8			
TK10	1	C	67	-	-	-	65.6			
TK11	1	C	67	-	-	-	66.0			
TK12	1	C	67	-	-	-	65.6			
TK13	1	C	67	-	-	-	65.6			
TK14	1	C	67	-	-	-	65.6			
TK15	1	C	67	-	-	-	65.6			
TK16	1	C	67	-	-	-	65.7			

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
TK17	1	C	67	-	-	-	65.7			
TK18	1	C	67	-	-	-	65.5			
TK19	1	C	67	-	-	-	65.1			
TK20	1	C	67	-	-	-	64.8			
TK21	1	C	67	-	-	-	64.9			
TJ1	1	C	67	-	-	-	63.4			
TJ2	1	C	67	-	-	-	62.7			
TJ3	1	C	67	-	-	-	63.3			
TJ4	1	C	67	-	-	-	63.6			
TJ5	1	C	67	-	-	-	64.7			
TJ6	1	C	67	-	-	-	64.6			
TJ7	1	C	67	-	-	-	65.0			
TJ8	1	C	67	-	-	-	65.2			
TI1	1	C	67	-	-	-	66.3			
TI2	1	C	67	-	-	-	66.3			
TI3	1	C	67	-	-	-	66.4			
TI4	1	C	67	-	-	-	65.2			
TI5	1	C	67	-	-	-	65.8			
TI6	1	C	67	-	-	-	66.5			
TI7	1	C	67	-	-	-	66.5			
TI8	1	C	67	-	-	-	66.5			
TI9	1	C	67	-	-	-	66.5			
TI10	1	C	67	-	-	-	66.0			
TI11	1	C	67	-	-	-	65.9			
TI12	1	C	67	-	-	-	66.3			
TI13	1	C	67	-	-	-	66.3			
TI14	1	C	67	-	-	-	66.4			
TI15	1	C	67	-	-	-	66.6			
TI16	1	C	67	-	-	-	63.0			
TI17	1	C	67	-	-	-	62.9			
TI18	1	C	67	-	-	-	62.9			
TI19	1	C	67	-	-	-	62.7			
TI20	1	C	67	-	-	-	62.9			
TI21	1	C	67	-	-	-	63.6			
TI22	1	C	67	-	-	-	63.6			
TI23	1	C	67	-	-	-	63.5			
TI24	1	C	67	-	-	-	62.9			
TI25	1	C	67	-	-	-	62.8			
TI26	1	C	67	-	-	-	62.8			
TI27	1	C	67	-	-	-	62.8			
TI28	1	C	67	-	-	-	62.8			
TI29	1	C	67	-	-	-	62.8			
TI30	1	C	67	-	-	-	62.8			
TI31	1	C	67	-	-	-	62.9			
TI32	1	C	67	-	-	-	62.9			
KA1	1	C	67	50.0	-	-	53.9	-	3.9	
KA2	1	C	67	51.9	-	-	53.9	-	2.0	
KA3	1	C	67	50.3	-	-	49.7	-	-0.6	
KA4	1	C	67	50.0	-	-	49.1	-	-0.9	
KA5	1	C	67	50.0	-	-	48.7	-	-1.3	
KA6	1	C	67	49.7	-	-	48.3	-	-1.4	
KA7	1	C	67	49.3	-	-	48.3	-	-1.0	
KA8	1	C	67	49.1	-	-	48.2	-	-0.9	
KA9	1	C	67	48.4	-	-	48.3	-	-0.1	
KA10	1	C	67	47.9	-	-	47.9	-	0.0	
KA11	1	C	67	47.5	-	-	47.6	-	0.1	
KA12	1	C	67	47.1	-	-	47.2	-	0.1	
KA13	1	C	67	46.7	-	-	46.9	-	0.2	
KA14	1	C	67	46.6	-	-	46.8	-	0.2	
KA15	1	C	67	46.4	-	-	46.6	-	0.2	
KA16	1	C	67	45.6	-	-	45.8	-	0.2	
KA17	1	C	67	45.1	-	-	45.4	-	0.3	
KA18	1	C	67	44.6	-	-	45.0	-	0.4	
KA19	1	C	67	42.9	-	-	43.4	-	0.5	
KA20	1	C	67	42.0	-	-	42.7	-	0.7	
KA21	1	C	67	41.3	-	-	42.1	-	0.8	

Appedendix B: Table B1
Steele Co - Owatanna
Noise Analysis Summary Table
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Substantial Noise Increase (Increase of 5dBA or more)

Receptor		FHWA Noise Abatement Criteria		2023 Existing Conditions	2044 No Build Conditions	Difference - Existing and No Build	2044 Build Conditions	Difference - Build and No-Build	Difference - Existing and Build	Notes
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq	Leq	
KA22	1	C	67	39.5	-	-	40.8	-	1.3	
KA23	1	C	67	38.5	-	-	40.1	-	1.6	
KA24	1	C	67	37.5	-	-	39.6	-	2.1	
KA25	1	C	67	35.2	-	-	38.1	-	2.9	
JA1	1	C	67	54.6	-	-	58.0	-	3.4	
JA2	1	C	67	48.5	-	-	53.3	-	4.8	
JA3	1	C	67	42.4	-	-	48.7	-	6.3	
JA4	1	C	67	40.2	-	-	47.7	-	7.5	
JA5	1	C	67	39.0	-	-	46.0	-	7.0	
JA6	1	C	67	36.9	-	-	44.5	-	7.6	
JA7	1	C	67	34.5	-	-	39.9	-	5.4	
JA8	1	C	67	43.4	-	-	47.4	-	4.0	
JA9	1	C	67	56.5	-	-	59.7	-	3.2	
JA10	1	C	67	54.3	-	-	57.4	-	3.1	
JA11	1	C	67	53.8	-	-	57.0	-	3.2	
JA12	1	C	67	51.2	-	-	54.3	-	3.1	
JA13	1	C	67	54.1	-	-	57.3	-	3.2	
JA14	1	C	67	46.2	-	-	49.8	-	3.6	
JA15	1	C	67	43.0	-	-	47.4	-	4.4	
JA16	1	C	67	40.3	-	-	46.0	-	5.7	
JA17	1	C	67	37.0	-	-	41.6	-	4.6	
JA18	1	C	67	34.2	-	-	39.2	-	5.0	
JA19	1	C	67	31.6	-	-	38.5	-	6.9	
JA20	1	C	67	32.1	-	-	37.6	-	5.5	
JA21	1	C	67	33.0	-	-	37.5	-	4.5	
JA22	1	C	67	31.7	-	-	36.4	-	4.7	
MA1	1	C	67	57.6	-	-	59.6	-	2.0	
MA2	1	C	67	54.6	-	-	56.6	-	2.0	
MA3	1	C	67	47.3	-	-	48.0	-	0.7	
IA1	1	C	67	28.1	-	-	36.8	-	8.7	
IA2	1	C	67	27.1	-	-	35.4	-	8.3	
IA3	1	C	67	28.3	-	-	34.5	-	6.2	
IA4	1	C	67	31.7	-	-	35.5	-	3.8	
IA5	1	C	67	40.0	-	-	42.6	-	2.6	
I30A	1	C	67	58.4	59.6	1.2	56.3	-3.3	-2.1	
I30B	1	C	67	58.4	59.6	1.2	55.5	-4.1	-2.9	
I30C	1	C	67	58.4	59.6	1.2	53.7	-5.9	-4.7	
I30D	1	C	67	58.5	59.6	1.1	52.8	-6.8	-5.7	
I30E	1	C	67	58.4	59.6	1.2	51.7	-7.9	-6.7	
I30F	1	C	67	58.4	59.6	1.2	51.3	-8.3	-7.1	
I30G	1	C	67	58.4	59.6	1.2	51.3	-8.3	-7.1	
I30H	1	C	67	58.3	59.4	1.1	51.3	-8.1	-7.0	
I30I	1	C	67	58.3	59.5	1.2	51.3	-8.2	-7.0	
I30J	1	C	67	58.5	59.7	1.2	51.3	-8.4	-7.2	
I30K	1	C	67	58.5	59.7	1.2	51.4	-8.3	-7.1	
I30L	1	C	67	58.6	59.7	1.1	51.6	-8.1	-7.0	

Notes

(1) Reduced Noise level due to moving of noise source of existing CR8 or reduced design speed along 26th St NE (Existing is 55mph, Build is 45mph)
(2) Reduced noise level due to reduced adjancet local traffic based on expected local traffic rerout along Fox Hollow Ln
(3) 'Receptors are for Good Shepard church. One total receptor
(4) Large reduction in noise level due to lower traffic along 18th St due to traffic being directed on East Side Corridor

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-2: Wall K1 Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall K1	K1	B	1	67	60.0	50.7	9.3	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K2	B	1	67	57.9	44.3	13.6	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K3	B	1	67	52.3	42.6	9.7	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K4	B	1	67	54.6	44.9	9.7	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K5	B	1	67	54.8	44.3	10.5	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K6	B	1	67	50.4	41.9	8.5	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K7	B	1	67	52.1	45.6	6.5	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K8	B	1	67	49.6	44.1	5.5	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K9	B	1	67	60.6	46.9	13.7	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K10	B	1	67	52.3	43.9	8.4	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K11	B	1	67	60.4	45.0	15.4	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K12	B	1	67	58.6	44.5	14.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K13	B	1	67	58.8	44.6	14.2	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K14	B	1	67	58.7	44.7	14	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K15	B	1	67	58.8	44.7	14.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K16	B	1	67	58.5	45.2	13.3	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K17	B	1	67	57.8	45.6	12.2	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K18	B	1	67	54.9	45.8	9.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K19	B	1	67	55.0	46.9	8.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K20	B	1	67	52.2	47.0	5.2	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K21	B	1	67	62.0	58.6	3.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K22	B	1	67	61.1	59.7	1.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K23	B	1	67	44.4	43.6	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K24	B	1	67	41.2	40.6	0.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K25	B	1	67	44.9	42.0	2.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K26	B	1	67	44.8	41.2	3.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K27	B	1	67	46.9	43.6	3.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K28	B	1	67	48.3	43.8	4.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K29	B	1	67	48.7	42.8	5.9	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K30	B	1	67	35.1	34.5	0.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K31	B	1	67	39.9	38.5	1.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K32	B	1	67	45.2	43.3	1.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K33	B	1	67	45.3	41.2	4.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K34	B	1	67	47.5	43.7	3.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K35	B	1	67	49.6	44.5	5.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K36	B	1	67	49.1	45.4	3.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K37	B	1	67	62.4	61.6	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K38	B	1	67	62.3	61.6	0.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K39	B	1	67	62.1	61.8	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K40	B	1	67	62.8	62.5	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K41	B	1	67	43.9	42.0	1.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K42	B	1	67	43.4	42.7	0.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K43	B	1	67	43.7	41.7	2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K44	B	1	67	46.5	44.0	2.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K45	B	1	67	44.5	42.9	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K46	B	1	67	46.9	43.4	3.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K47	B	1	67	45.6	43.4	2.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K48	B	1	67	45.3	41.5	3.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K49	B	1	67	43.7	41.0	2.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K50	B	1	67	40.4	39.2	1.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K51	B	1	67	41.6	40.1	1.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K52	B	1	67	40.7	39.1	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K53	B	1	67	44.4	40.4	4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K54	B	1	67	41.2	36.8	4.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K55	B	1	67	39.9	36.9	3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K56	B	1	67	41.0	38.0	3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K57	B	1	67	48.0	42.9	5.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K58	B	1	67	45.9	41.3	4.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K59	B	1	67	46.4	41.5	4.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K60	B	1	67	46.5	41.4	5.1	1	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K61	B	1	67	45.9	41.4	4.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K62	B	1	67	63.2	62.1	1.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K63	B	1	67	63.2	62.1	1.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K64	B	1	67	63.1	62.1	1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K65	B	1	67	63.1	62.1	1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K66	B	1	67	63.0	62.1	0.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K67	B	1	67	63.0	62.1	0.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K68	B	1	67	61.4	61.4	0	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K69	B	1	67	62.0	61.6	0.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K70	B	1	67	59.5	59.4	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K71	B	1	67	60.3	60.4	-0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K72	B	1	67	43.3	42.0	1.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K73	B	1	67	43.0	41.9	1.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K74	B	1	67	43.1	42.2	0.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K75	B	1	67	44.1	43.3	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K76	B	1	67	46.0	45.7	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K77	B	1	67	49.1	49.0	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K78	B	1	67	43.2	42.4	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K79	B	1	67	43.9	43.0	0.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K80	B	1	67	44.1	43.3	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K81	B	1	67	45.0	44.5	0.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K82	B	1	67	45.8	45.5	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K83	B	1	67	49.4	49.3	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K84	B	1	67	42.5	41.1	1.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K85	B	1	67	42.8	41.7	1.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K86	B	1	67	42.8	42.0	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K87	B	1	67	43.0	42.4	0.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K88	B	1	67	44.1	43.7	0.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K89	B	1	67	46.5	46.3	0.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K90	B	1	67	43.7	42.7	1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K91	B	1	67	44.7	44.2	0.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K92	B	1	67	46.7	46.4	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K93	B	1	67	45.0	44.6	0.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K94	B	1	67	45.4	45.1	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K95	B	1	67	47.9	47.8	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K96	B	1	67	44.9	42.8	2.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K97	B	1	67	44.4	42.9	1.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K98	B	1	67	44.1	43.1	1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K99	B	1	67	44.3	43.8	0.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K100	B	1	67	45.5	45.1	0.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K101	B	1	67	50.7	50.6	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K102	B	1	67	43.3	40.7	2.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K103	B	1	67	43.0	41.0	2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K104	B	1	67	42.7	41.4	1.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K105	B	1	67	43.2	42.4	0.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K106	B	1	67	44.8	44.4	0.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K107	B	1	67	49.0	48.9	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K108	B	1	67	40.0	37.6	2.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K109	B	1	67	40.0	37.9	2.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K110	B	1	67	39.7	38.6	1.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K111	B	1	67	40.6	39.9	0.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K112	B	1	67	42.9	42.6	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K113	B	1	67	49.3	49.2	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K114	B	1	67	39.8	37.9	1.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K115	B	1	67	40.1	38.5	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K116	B	1	67	40.6	39.5	1.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K117	B	1	67	42.4	41.7	0.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K118	B	1	67	44.8	44.6	0.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K119	B	1	67	48.8	48.7	0.1	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K120	B	1	67	41.1	38.6	2.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K121	B	1	67	41.4	39.5	1.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K122	B	1	67	41.5	39.8	1.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K123	B	1	67	41.5	40.3	1.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K124	B	1	67	42.5	41.8	0.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K125	B	1	67	46.4	46.1	0.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K126	B	1	67	41.6	40.2	1.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K127	B	1	67	41.9	39.6	2.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K128	B	1	67	40.4	38.8	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K129	B	1	67	41.1	39.9	1.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K130	B	1	67	43.3	42.7	0.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K131	B	1	67	47.5	47.3	0.2	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K132	B	1	67	44.3	40.4	3.9	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K133	B	1	67	43.1	39.5	3.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K134	B	1	67	41.4	38.1	3.3	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K135	B	1	67	41.8	39.4	2.4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K136	B	1	67	41.9	40.3	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K137	B	1	67	45.2	44.6	0.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K138	B	1	67	44.2	39.7	4.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K139	B	1	67	42.0	38.0	4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K140	B	1	67	41.2	38.4	2.8	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K141	B	1	67	41.5	39.9	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K142	B	1	67	43.8	43.1	0.7	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K143	B	1	67	43.0	39.5	3.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K144	B	1	67	41.9	40.3	1.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K145	B	1	67	45.2	44.6	0.6	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K146	B	1	67	44.2	39.7	4.5	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
Wall K1	K147	B	1	67	42.0	38.0	4	0	24	Yes	Yes	20	2430	48600	$ 1,749,600	$ 72,900	Propose to Construct
10ft height																	
Wall K1	K1	B	1	67	60.0	54.5	5.5	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K2	B	1	67	57.9	48.8	9.1	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K3	B	1	67	52.3	46.6	5.7	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K4	B	1	67	54.6	48.7	5.9	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K5	B	1	67	54.8	48.3	6.5	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K6	B	1	67	50.4	46.1	4.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K7	B	1	67	52.1	47.6	4.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K8	B	1	67	49.6	46.6	3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K9	B	1	67	60.6	50.6	10	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K10	B	1	67	52.3	46.8	5.5	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K11	B	1	67	60.4	49.6	10.8	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K12	B	1	67	58.6	49.8	8.8	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K13	B	1	67	58.8	49.4	9.4	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K14	B	1	67	58.7	50.1	8.6	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K15	B	1	67	58.8	49.6	9.2	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K16	B	1	67	58.5	50.0	8.5	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K17	B	1	67	57.8	51.2	6.6	1	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K18	B	1	67	54.9	51.1	3.8	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K19	B	1	67	55.0	51.4	3.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K20	B	1	67	52.2	48.6	3.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct

												Noise Level Comparison				
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K21	B	1	67	62.0	59.5	2.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K22	B	1	67	61.1	60.0	1.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K23	B	1	67	44.4	44.0	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K24	B	1	67	41.2	41.0	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K25	B	1	67	44.9	43.4	1.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K26	B	1	67	44.8	42.6	2.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K27	B	1	67	46.9	45.0	1.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K28	B	1	67	48.3	45.5	2.8	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K29	B	1	67	48.7	45.2	3.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K30	B	1	67	35.1	34.8	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K31	B	1	67	39.9	39.2	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K32	B	1	67	45.2	43.8	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K33	B	1	67	45.3	42.3	3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K34	B	1	67	47.5	44.5	3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K35	B	1	67	49.6	45.3	4.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K36	B	1	67	49.1	45.9	3.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K37	B	1	67	62.4	61.7	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K38	B	1	67	62.3	61.7	0.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K39	B	1	67	62.1	61.8	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K40	B	1	67	62.8	62.5	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K41	B	1	67	43.9	43.1	0.8	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K42	B	1	67	43.4	43.0	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K43	B	1	67	43.7	42.5	1.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K44	B	1	67	46.5	45.1	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K45	B	1	67	44.5	43.6	0.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K46	B	1	67	46.9	44.7	2.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K47	B	1	67	45.6	44.2	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K48	B	1	67	45.3	43.1	2.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K49	B	1	67	43.7	42.2	1.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K50	B	1	67	40.4	39.7	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K51	B	1	67	41.6	40.4	1.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K52	B	1	67	40.7	39.5	1.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K53	B	1	67	44.4	41.4	3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K54	B	1	67	41.2	38.1	3.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K55	B	1	67	39.9	37.9	2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K56	B	1	67	41.0	38.9	2.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K57	B	1	67	48.0	43.6	4.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K58	B	1	67	45.9	41.9	4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K59	B	1	67	46.4	42.2	4.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K60	B	1	67	46.5	42.0	4.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K61	B	1	67	45.9	41.8	4.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K62	B	1	67	63.2	62.2	1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K63	B	1	67	63.2	62.1	1.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K64	B	1	67	63.1	62.1	1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K65	B	1	67	63.1	62.1	1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K66	B	1	67	63.0	62.1	0.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K67	B	1	67	63.0	62.1	0.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K68	B	1	67	61.4	61.4	0	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K69	B	1	67	62.0	61.6	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K70	B	1	67	59.5	59.4	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K71	B	1	67	60.3	60.4	-0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K72	B	1	67	43.3	42.7	0.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K73	B	1	67	43.0	42.3	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K74	B	1	67	43.1	42.6	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K75	B	1	67	44.1	43.7	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K76	B	1	67	46.0	45.8	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K77	B	1	67	49.1	49.1	0	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K78	B	1	67	43.2	42.8	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K79	B	1	67	43.9	43.5	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K80	B	1	67	44.1	43.8	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K81	B	1	67	45.0	44.7	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K82	B	1	67	45.8	45.7	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K83	B	1	67	49.4	49.3	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K84	B	1	67	42.5	41.8	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K85	B	1	67	42.8	42.2	0.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K86	B	1	67	42.8	42.4	0.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K87	B	1	67	43.0	42.7	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K88	B	1	67	44.1	43.9	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K89	B	1	67	46.5	46.4	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K90	B	1	67	43.7	43.1	0.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K91	B	1	67	44.7	44.4	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K92	B	1	67	46.7	46.5	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K93	B	1	67	45.0	44.8	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K94	B	1	67	45.4	45.2	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K95	B	1	67	47.9	47.9	0	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K96	B	1	67	44.9	43.4	1.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K97	B	1	67	44.4	43.3	1.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K98	B	1	67	44.1	43.4	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K99	B	1	67	44.3	44.0	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K100	B	1	67	45.5	45.2	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K101	B	1	67	50.7	50.6	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K102	B	1	67	43.3	41.6	1.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K103	B	1	67	43.0	41.7	1.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K104	B	1	67	42.7	41.9	0.8	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K105	B	1	67	43.2	42.7	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K106	B	1	67	44.8	44.5	0.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K107	B	1	67	49.0	48.9	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K108	B	1	67	40.0	38.1	1.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct
Wall K1	K109	B	1	67	40.0	38.4	1.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct

														Noise Level Comparison				
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K110	B	1	67	39.7	38.9	0.8	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K111	B	1	67	40.6	40.1	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K112	B	1	67	42.9	42.7	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K113	B	1	67	49.3	49.2	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K114	B	1	67	39.8	38.5	1.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K115	B	1	67	40.1	39.0	1.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K116	B	1	67	40.6	39.9	0.7	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K117	B	1	67	42.4	41.9	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K118	B	1	67	44.8	44.7	0.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K119	B	1	67	48.8	48.8	0	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K120	B	1	67	41.1	39.2	1.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K121	B	1	67	41.4	39.8	1.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K122	B	1	67	41.5	40.1	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K123	B	1	67	41.5	40.6	0.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K124	B	1	67	42.5	41.9	0.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K125	B	1	67	46.4	46.2	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K126	B	1	67	41.6	40.6	1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K127	B	1	67	41.9	40.1	1.8	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K128	B	1	67	40.4	39.2	1.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K129	B	1	67	41.1	40.2	0.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K130	B	1	67	43.3	42.8	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K131	B	1	67	47.5	47.3	0.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K132	B	1	67	44.3	40.8	3.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K133	B	1	67	43.1	39.9	3.2	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K134	B	1	67	41.4	38.5	2.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K135	B	1	67	41.8	39.7	2.1	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K136	B	1	67	41.9	40.5	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K137	B	1	67	45.2	44.7	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K138	B	1	67	44.2	40.3	3.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K139	B	1	67	42.0	38.6	3.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K140	B	1	67	41.2	38.8	2.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K141	B	1	67	41.5	40.1	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K142	B	1	67	43.8	43.2	0.6	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K143	B	1	67	43.0	39.7	3.3	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K144	B	1	67	41.9	40.5	1.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K145	B	1	67	45.2	44.7	0.5	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K146	B	1	67	44.2	40.3	3.9	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
Wall K1	K147	B	1	67	42.0	38.6	3.4	0	14	Yes	Yes	10	2430	24300	$ 874,800	$ 62,486	Propose to Construct	
8ft height																		
Wall K1	K1	B	1	67	60.0	55.6	4.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K2	B	1	67	57.9	51.0	6.9	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K3	B	1	67	52.3	48.6	3.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K4	B	1	67	54.6	50.6	4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K5	B	1	67	54.8	50.3	4.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K6	B	1	67	50.4	46.9	3.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K7	B	1	67	52.1	48.7	3.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K8	B	1	67	49.6	47.3	2.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K9	B	1	67	60.6	52.0	8.6	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K10	B	1	67	52.3	47.4	4.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K11	B	1	67	60.4	51.0	9.4	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K12	B	1	67	58.6	51.6	7	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K13	B	1	67	58.8	51.7	7.1	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K14	B	1	67	58.7	51.8	6.9	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K15	B	1	67	58.8	51.9	6.9	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K16	B	1	67	58.5	51.6	6.9	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K17	B	1	67	57.8	52.5	5.3	1	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K18	B	1	67	54.9	52.4	2.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K19	B	1	67	55.0	52.5	2.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	

														Noise Level Comparison				
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K20	B	1	67	52.2	48.9	3.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K21	B	1	67	62.0	59.8	2.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K22	B	1	67	61.1	60.1	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K23	B	1	67	44.4	44.1	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K24	B	1	67	41.2	41.0	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K25	B	1	67	44.9	43.8	1.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K26	B	1	67	44.8	42.8	2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K27	B	1	67	46.9	45.5	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K28	B	1	67	48.3	45.8	2.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K29	B	1	67	48.7	45.4	3.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K30	B	1	67	35.1	34.7	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K31	B	1	67	39.9	39.2	0.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K32	B	1	67	45.2	43.8	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K33	B	1	67	45.3	42.5	2.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K34	B	1	67	47.5	44.7	2.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K35	B	1	67	49.6	45.4	4.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K36	B	1	67	49.1	45.9	3.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K37	B	1	67	62.4	61.8	0.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K38	B	1	67	62.3	61.7	0.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K39	B	1	67	62.1	61.9	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K40	B	1	67	62.8	62.5	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K41	B	1	67	43.9	43.3	0.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K42	B	1	67	43.4	43.1	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K43	B	1	67	43.7	42.6	1.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K44	B	1	67	46.5	45.3	1.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K45	B	1	67	44.5	43.7	0.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K46	B	1	67	46.9	44.9	2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K47	B	1	67	45.6	44.3	1.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K48	B	1	67	45.3	43.3	2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K49	B	1	67	43.7	42.3	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K50	B	1	67	40.4	39.7	0.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K51	B	1	67	41.6	40.4	1.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K52	B	1	67	40.7	39.6	1.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K53	B	1	67	44.4	41.5	2.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K54	B	1	67	41.2	38.2	3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K55	B	1	67	39.9	38.2	1.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K56	B	1	67	41.0	39.0	2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K57	B	1	67	48.0	43.7	4.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K58	B	1	67	45.9	42.0	3.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K59	B	1	67	46.4	42.3	4.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K60	B	1	67	46.5	42.1	4.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K61	B	1	67	45.9	41.8	4.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K62	B	1	67	63.2	62.2	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K63	B	1	67	63.2	62.1	1.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K64	B	1	67	63.1	62.1	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K65	B	1	67	63.1	62.1	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K66	B	1	67	63.0	62.1	0.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K67	B	1	67	63.0	62.1	0.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K68	B	1	67	61.4	61.4	0	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K69	B	1	67	62.0	61.6	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K70	B	1	67	59.5	59.4	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K71	B	1	67	60.3	60.4	-0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K72	B	1	67	43.3	42.8	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K73	B	1	67	43.0	42.5	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K74	B	1	67	43.1	42.7	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K75	B	1	67	44.1	43.7	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K76	B	1	67	46.0	45.8	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	
Wall K1	K77	B	1	67	49.1	49.1	0	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct	

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K78	B	1	67	43.2	42.9	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K79	B	1	67	43.9	43.5	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K80	B	1	67	44.1	43.8	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K81	B	1	67	45.0	44.8	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K82	B	1	67	45.8	45.7	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K83	B	1	67	49.4	49.3	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K84	B	1	67	42.5	41.8	0.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K85	B	1	67	42.8	42.3	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K86	B	1	67	42.8	42.4	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K87	B	1	67	43.0	42.7	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K88	B	1	67	44.1	43.9	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K89	B	1	67	46.5	46.4	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K90	B	1	67	43.7	43.2	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K91	B	1	67	44.7	44.5	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K92	B	1	67	46.7	46.5	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K93	B	1	67	45.0	44.8	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K94	B	1	67	45.4	45.2	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K95	B	1	67	47.9	47.9	0	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K96	B	1	67	44.9	43.5	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K97	B	1	67	44.4	43.4	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K98	B	1	67	44.1	43.5	0.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K99	B	1	67	44.3	44.0	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K100	B	1	67	45.5	45.3	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K101	B	1	67	50.7	50.7	0	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K102	B	1	67	43.3	41.7	1.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K103	B	1	67	43.0	41.8	1.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K104	B	1	67	42.7	41.9	0.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K105	B	1	67	43.2	42.7	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K106	B	1	67	44.8	44.5	0.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K107	B	1	67	49.0	48.9	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K108	B	1	67	40.0	38.2	1.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K109	B	1	67	40.0	38.5	1.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K110	B	1	67	39.7	39.0	0.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K111	B	1	67	40.6	40.1	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K112	B	1	67	42.9	42.7	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K113	B	1	67	49.3	49.2	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K114	B	1	67	39.8	38.6	1.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K115	B	1	67	40.1	39.1	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K116	B	1	67	40.6	39.9	0.7	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K117	B	1	67	42.4	41.9	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K118	B	1	67	44.8	44.7	0.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K119	B	1	67	48.8	48.8	0	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K120	B	1	67	41.1	39.3	1.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K121	B	1	67	41.4	39.9	1.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K122	B	1	67	41.5	40.1	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K123	B	1	67	41.5	40.6	0.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K124	B	1	67	42.5	41.9	0.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K125	B	1	67	46.4	46.2	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K126	B	1	67	41.6	40.6	1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K127	B	1	67	41.9	40.1	1.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K128	B	1	67	40.4	39.3	1.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K129	B	1	67	41.1	40.2	0.9	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K130	B	1	67	43.3	42.9	0.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K131	B	1	67	47.5	47.3	0.2	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K132	B	1	67	44.3	40.9	3.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K133	B	1	67	43.1	40.0	3.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K134	B	1	67	41.4	38.6	2.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K135	B	1	67	41.8	39.7	2.1	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct

														Noise Level Comparison				
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K136	B	1	67	41.9	40.5	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K137	B	1	67	45.2	44.7	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K138	B	1	67	44.2	40.4	3.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K139	B	1	67	42.0	38.7	3.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K140	B	1	67	41.2	38.9	2.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K141	B	1	67	41.5	40.2	1.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K142	B	1	67	43.8	43.2	0.6	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K143	B	1	67	43.0	39.7	3.3	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K144	B	1	67	41.9	40.5	1.4	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K145	B	1	67	45.2	44.7	0.5	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
Wall K1	K146	B	1	67	44.2	40.4	3.8	0	9	Yes	Yes	8	2430	19440	$ 699,840	$ 77,760	Propose to Construct
6ft height																		
Wall K1	K1	B	1	67	60.0	56.8	3.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K2	B	1	67	57.9	52.6	5.3	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K3	B	1	67	52.3	49.8	2.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K4	B	1	67	54.6	51.9	2.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K5	B	1	67	54.8	51.4	3.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K6	B	1	67	50.4	47.6	2.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K7	B	1	67	52.1	49.4	2.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K8	B	1	67	49.6	47.8	1.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K9	B	1	67	60.6	54.6	6	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K10	B	1	67	52.3	48.0	4.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K11	B	1	67	60.4	53.9	6.5	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K12	B	1	67	58.6	53.1	5.5	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K13	B	1	67	58.8	53.2	5.6	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K14	B	1	67	58.7	53.3	5.4	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K15	B	1	67	58.8	53.1	5.7	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K16	B	1	67	58.5	53.3	5.2	1	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K17	B	1	67	57.8	54.4	3.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K18	B	1	67	54.9	54.4	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K19	B	1	67	55.0	54.5	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K20	B	1	67	52.2	49.3	2.9	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K21	B	1	67	62.0	60.2	1.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K22	B	1	67	61.1	60.3	0.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K23	B	1	67	44.4	44.2	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K24	B	1	67	41.2	41.0	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K25	B	1	67	44.9	44.0	0.9	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K26	B	1	67	44.8	43.1	1.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K27	B	1	67	46.9	45.8	1.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K28	B	1	67	48.3	46.0	2.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K29	B	1	67	48.7	45.8	2.9	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K30	B	1	67	35.1	34.7	0.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K31	B	1	67	39.9	39.3	0.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K32	B	1	67	45.2	43.9	1.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K33	B	1	67	45.3	42.7	2.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K34	B	1	67	47.5	44.9	2.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K35	B	1	67	49.6	45.6	4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K36	B	1	67	49.1	46.0	3.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K37	B	1	67	62.4	61.8	0.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K38	B	1	67	62.3	61.8	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K39	B	1	67	62.1	61.9	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K40	B	1	67	62.8	62.5	0.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K41	B	1	67	43.9	43.4	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K42	B	1	67	43.4	43.1	0.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K43	B	1	67	43.7	42.7	1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K44	B	1	67	46.5	45.5	1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K45	B	1	67	44.5	43.8	0.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K46	B	1	67	46.9	45.1	1.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal

														Noise Level Comparison				
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K47	B	1	67	45.6	44.5	1.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K48	B	1	67	45.3	43.5	1.8	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K49	B	1	67	43.7	42.4	1.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K50	B	1	67	40.4	39.8	0.6	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K51	B	1	67	41.6	40.4	1.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K52	B	1	67	40.7	39.7	1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K53	B	1	67	44.4	41.6	2.8	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K54	B	1	67	41.2	38.3	2.9	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K55	B	1	67	39.9	38.3	1.6	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K56	B	1	67	41.0	39.1	1.9	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K57	B	1	67	48.0	43.9	4.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K58	B	1	67	45.9	42.1	3.8	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K59	B	1	67	46.4	42.4	4	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K60	B	1	67	46.5	42.2	4.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K61	B	1	67	45.9	41.9	4	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K62	B	1	67	63.2	62.2	1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K63	B	1	67	63.2	62.2	1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K64	B	1	67	63.1	62.1	1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K65	B	1	67	63.1	62.1	1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K66	B	1	67	63.0	62.1	0.9	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K67	B	1	67	63.0	62.1	0.9	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K68	B	1	67	61.4	61.4	0	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K69	B	1	67	62.0	61.6	0.4	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K70	B	1	67	59.5	59.4	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K71	B	1	67	60.3	60.4	-0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K72	B	1	67	43.3	42.9	0.4	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K73	B	1	67	43.0	42.5	0.5	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K74	B	1	67	43.1	42.7	0.4	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K75	B	1	67	44.1	43.8	0.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K76	B	1	67	46.0	45.8	0.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K77	B	1	67	49.1	49.1	0	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K78	B	1	67	43.2	43.0	0.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K79	B	1	67	43.9	43.6	0.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K80	B	1	67	44.1	43.9	0.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K81	B	1	67	45.0	44.9	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K82	B	1	67	45.8	45.7	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K83	B	1	67	49.4	49.4	0	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K84	B	1	67	42.5	41.9	0.6	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K85	B	1	67	42.8	42.4	0.4	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K86	B	1	67	42.8	42.5	0.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K87	B	1	67	43.0	42.7	0.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K88	B	1	67	44.1	43.9	0.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K89	B	1	67	46.5	46.4	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K90	B	1	67	43.7	43.2	0.5	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K91	B	1	67	44.7	44.5	0.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K92	B	1	67	46.7	46.6	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K93	B	1	67	45.0	44.9	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K94	B	1	67	45.4	45.3	0.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K95	B	1	67	47.9	47.9	0	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K96	B	1	67	44.9	43.6	1.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K97	B	1	67	44.4	43.5	0.9	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K98	B	1	67	44.1	43.5	0.6	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K99	B	1	67	44.3	44.0	0.3	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K100	B	1	67	45.5	45.3	0.2	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K101	B	1	67	50.7	50.7	0	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K102	B	1	67	43.3	41.8	1.5	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K103	B	1	67	43.0	41.9	1.1	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K104	B	1	67	42.7	42.0	0.7	0	8	Yes	No	6	2430	14580	$	524,880	N/A	Does Not Meet Noise Reduction Design Goal

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall K1	K105	B	1	67	43.2	42.8	0.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K106	B	1	67	44.8	44.6	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K107	B	1	67	49.0	48.9	0.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K108	B	1	67	40.0	38.4	1.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K109	B	1	67	40.0	38.6	1.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K110	B	1	67	39.7	39.0	0.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K111	B	1	67	40.6	40.2	0.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K112	B	1	67	42.9	42.7	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K113	B	1	67	49.3	49.2	0.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K114	B	1	67	39.8	38.7	1.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K115	B	1	67	40.1	39.2	0.9	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K116	B	1	67	40.6	40.0	0.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K117	B	1	67	42.4	41.9	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K118	B	1	67	44.8	44.7	0.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K119	B	1	67	48.8	48.8	0	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K120	B	1	67	41.1	39.4	1.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K121	B	1	67	41.4	39.9	1.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K122	B	1	67	41.5	40.2	1.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K123	B	1	67	41.5	40.7	0.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K124	B	1	67	42.5	42.0	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K125	B	1	67	46.4	46.2	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K126	B	1	67	41.6	40.6	1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K127	B	1	67	41.9	40.2	1.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K128	B	1	67	40.4	39.3	1.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K129	B	1	67	41.1	40.3	0.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K130	B	1	67	43.3	42.9	0.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K131	B	1	67	47.5	47.3	0.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K132	B	1	67	44.3	41.0	3.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K133	B	1	67	43.1	40.0	3.1	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K134	B	1	67	41.4	38.6	2.8	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K135	B	1	67	41.8	39.8	2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K136	B	1	67	41.9	40.5	1.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K137	B	1	67	45.2	44.7	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K138	B	1	67	44.2	40.5	3.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K139	B	1	67	42.0	38.8	3.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K140	B	1	67	41.2	39.0	2.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K141	B	1	67	41.5	40.2	1.3	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K142	B	1	67	43.8	43.2	0.6	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K143	B	1	67	43.0	39.8	3.2	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K144	B	1	67	41.9	40.5	1.4	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K145	B	1	67	45.2	44.7	0.5	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal
Wall K1	K146	B	1	67	44.2	40.5	3.7	0	8	Yes	No	6	2430	14580	$ 524,880	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-3: Wall TH Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TH	H1	B	1	67	56.6	56.6	0	0	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI4	C	1	67	65.2	64.4	0.8	0	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI5	C	1	67	65.8	47.3	18.5	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI6	C	1	67	66.5	45.5	21	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI7	C	1	67	66.5	44.4	22.1	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI8	C	1	67	66.5	44.9	21.6	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI9	C	1	67	66.5	52.9	13.6	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI10	C	1	67	66	43.5	22.5	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI11	C	1	67	65.9	44	21.9	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI12	C	1	67	66.3	44	22.3	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI13	C	1	67	66.3	43.4	22.9	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI14	C	1	67	66.4	43.6	22.8	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
Wall TH	TI15	C	1	67	66.6	43.9	22.7	1	11	Yes	Yes	20	2915	58300	$ 2,098,800.00	$ 190,800.00	Not Cost Effective
15ft height																	
Wall TH	H1	B	1	67	56.6	56.6	0	0	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI4	C	1	67	65.2	64.4	0.8	0	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI5	C	1	67	65.8	49	16.8	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI6	C	1	67	66.5	47.6	18.9	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI7	C	1	67	66.5	46.9	19.6	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI8	C	1	67	66.5	47.4	19.1	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI9	C	1	67	66.5	53.2	13.3	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI10	C	1	67	66	45.8	20.2	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI11	C	1	67	65.9	46.1	19.8	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI12	C	1	67	66.3	46.9	19.4	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI13	C	1	67	66.3	46.5	19.8	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI14	C	1	67	66.4	46.4	20	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
Wall TH	TI15	C	1	67	66.6	46.5	20.1	1	11	Yes	Yes	15	2915	43725	$ 1,574,100.00	$ 143,100.00	Not Cost Effective
10ft height																	
Wall TH	H1	B	1	67	56.6	56.6	0	0	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI4	C	1	67	65.2	64.5	0.7	0	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI5	C	1	67	65.8	52.1	13.7	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI6	C	1	67	66.5	51.4	15.1	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI7	C	1	67	66.5	50.7	15.8	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI8	C	1	67	66.5	51.3	15.2	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI9	C	1	67	66.5	53.4	13.1	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI10	C	1	67	66	48.8	17.2	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI11	C	1	67	65.9	49.5	16.4	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI12	C	1	67	66.3	50.4	15.9	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI13	C	1	67	66.3	50.7	15.6	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI14	C	1	67	66.4	50.5	15.9	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective
Wall TH	TI15	C	1	67	66.6	50.2	16.4	1	11	Yes	Yes	10	2915	29150	$ 1,049,400.00	$ 95,400.00	Not Cost Effective

														Noise Level Comparison		
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
8ft height																
Wall TH	H1	B	1	67	56.6	56.6	0	0	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI4	C	1	67	65.2	64.5	0.7	0	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI5	C	1	67	65.8	54.1	11.7	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI6	C	1	67	66.5	53.1	13.4	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI7	C	1	67	66.5	52.9	13.6	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI8	C	1	67	66.5	53.1	13.4	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI9	C	1	67	66.5	51.9	14.6	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI10	C	1	67	66	53.1	12.9	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI11	C	1	67	65.9	53.5	12.4	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI12	C	1	67	66.3	52.6	13.7	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI13	C	1	67	66.3	51.8	14.5	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI14	C	1	67	66.4	51.9	14.5	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
Wall TH	TI15	C	1	67	66.6	52.8	13.8	1	11	Yes	Yes	8	2915	23320	$ 839,520.00	$ 76,320.00	Propose to Construct
6ft height																	
Wall TH	H1	B	1	67	56.6	56.6	0	0	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI4	C	1	67	65.2	64.7	0.5	0	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI5	C	1	67	65.8	58.1	7.7	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI6	C	1	67	66.5	57.8	8.7	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI7	C	1	67	66.5	57.7	8.8	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI8	C	1	67	66.5	58	8.5	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI9	C	1	67	66.5	54.7	11.8	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI10	C	1	67	66	55.9	10.1	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI11	C	1	67	65.9	57	8.9	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI12	C	1	67	66.3	57.8	8.5	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI13	C	1	67	66.3	55.8	10.5	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI14	C	1	67	66.4	55.8	10.6	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct
Wall TH	TI15	C	1	67	66.6	56.1	10.5	1	11	Yes	Yes	6	2915	17490	$ 629,640.00	$ 57,240.00	Propose to Construct

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-4: Wall I Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall II	I2	B	1	67	58.9	51.1	7.8	1	1	Yes	Yes	20	400	8000	288000	288000	Not Cost Effective
15ft height																	
Wall II	I2	B	1	67	58.9	51.4	7.5	1	1	Yes	Yes	15	400	6000	216000	216000	Not Cost Effective
10ft height																	
Wall II	I2	B	1	67	58.9	52.4	6.5	1	1	Yes	No	10	400	4000	144000	N/A	Does Not Meet Noise Reduction Design Goal
8ft height																	
Wall II	I2	B	1	67	58.9	54	4.9	0	0	No	No	8	400	3200	115200	N/A	Does Not Meet Noise Reduction Design Goal
6ft height																	
Wall II	I2	B	1	67	58.9	54.4	4.5	0	0	No	No	6	400	2400	86400	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-5: Wall TI1 Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TI-1	I31	B	1	67	57.2	45.9	11.3	1	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	I32	G	1	-	58.4	57.6	0.8	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	I33	G	1	-	57.8	57.5	0.3	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	I34	G	1	-	57.3	57.2	0.1	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	I35	B	1	67	56.3	56.3	0	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	I42	G	10	-	45.4	41.9	3.5	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	I44	B	9	67	44.1	41	3.1	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	TI29	C	1	67	62.8	62.7	0.1	0	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	TI30	C	1	67	62.8	45	17.8	1	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	TI31	C	1	67	62.9	44.8	18.1	1	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
Wall TI-1	TI32	C	1	67	62.9	46.7	16.2	1	4	Yes	Yes	20	760	15200	$ 547,200.00	$ 136,800.00	Not Cost Effective
15ft height																	
Wall TI-1	I31	B	1	67	57.2	46.6	10.6	1	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	I32	G	1	-	58.4	57.6	0.8	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	I33	G	1	-	57.8	57.5	0.3	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	I34	G	1	-	57.3	57.2	0.1	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	I35	B	1	67	56.3	56.3	0	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	I42	G	10	-	45.4	42.2	3.2	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	I44	B	9	67	44.1	41.2	2.9	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	TI29	C	1	67	62.8	62.7	0.1	0	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	TI30	C	1	67	62.8	46.8	16	1	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	TI31	C	1	67	62.9	46.8	16.1	1	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
Wall TI-1	TI32	C	1	67	62.9	48.2	14.7	1	4	Yes	Yes	15	760	11400	$ 410,400.00	$ 102,600.00	Not Cost Effective
10ft height																	
Wall TI-1	I31	B	1	67	57.2	48.1	9.1	1	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	I32	G	1	-	58.4	57.8	0.6	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	I33	G	1	-	57.8	57.6	0.2	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	I34	G	1	-	57.3	57.3	0	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	I35	B	1	67	56.3	56.3	0	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	I42	G	10	-	45.4	44.5	0.9	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	I44	B	9	67	44.1	43.4	0.7	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	TI29	C	1	67	62.8	62.8	0	0	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	TI30	C	1	67	62.8	49.7	13.1	1	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	TI31	C	1	67	62.9	49.8	13.1	1	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
Wall TI-1	TI32	C	1	67	62.9	50.5	12.4	1	4	Yes	Yes	10	760	7600	$ 273,600.00	$ 68,400.00	Propose to Construct
8ft height																	
Wall TI-1	I31	B	1	67	57.2	50.9	6.3	1	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	I32	G	1	-	58.4	57.8	0.6	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	I33	G	1	-	57.8	57.6	0.2	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	I34	G	1	-	57.3	57.3	0	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	I35	B	1	67	56.3	56.3	0	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	I42	G	10	-	45.4	44.6	0.8	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	I44	B	9	67	44.1	43.5	0.6	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	TI29	C	1	67	62.8	62.8	0	0	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	TI30	C	1	67	62.8	52	10.8	1	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	TI31	C	1	67	62.9	52	10.9	1	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
Wall TI-1	TI32	C	1	67	62.9	52.5	10.4	1	4	Yes	Yes	8	760	6080	$ 218,880.00	$ 54,720.00	Propose to Construct
6ft height																	
Wall TI-1	I31	B	1	67	57.2	51.3	5.9	1	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	I32	G	1	-	58.4	57.8	0.6	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	I33	G	1	-	57.8	57.6	0.2	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	I34	G	1	-	57.3	57.3	0	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	I35	B	1	67	56.3	56.3	0	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	I42	G	10	-	45.4	44.8	0.6	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	I44	B	9	67	44.1	43.6	0.5	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	TI29	C	1	67	62.8	62.8	0	0	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	TI30	C	1	67	62.8	57.2	5.6	1	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	TI31	C	1	67	62.9	57.3	5.6	1	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-1	TI32	C	1	67	62.9	57.4	5.5	1	4	Yes	No	6	760	4560	$ 164,160.00	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-6: Wall TI2 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TI-2	I27	G	1	-	55.1	54	1.1	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I28	B	1	67	55.4	48.8	6.6	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I29	B	1	67	56.9	46	10.9	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I36	B	1	67	50.7	46.9	3.8	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I37	B	1	67	46.1	42.7	3.4	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I38	B	1	67	44.4	41.2	3.2	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I39	B	1	67	44.1	42	2.1	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I40	B	1	67	43.9	41.2	2.7	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I41	B	3	67	41.1	38.9	2.2	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I43	B	3	67	42.1	40.2	1.9	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I45	B	1	67	42.6	40.3	2.3	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	TI24	C	1	67	62.9	62.9	0	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	TI25	C	1	67	62.8	54	8.8	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	TI26	C	1	67	62.8	43.3	19.5	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	TI27	C	1	67	62.8	44	18.8	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	TI28	C	1	67	62.8	46	16.8	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30A	C	1	67	56.3	56	0.3	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30B	C	1	67	55.5	54.8	0.7	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30C	C	1	67	53.7	51.8	1.9	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30D	C	1	67	52.8	49.8	3	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30E	C	1	67	51.7	47	4.7	0	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30F	C	1	67	51.3	45.2	6.1	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30G	C	1	67	51.3	44.8	6.5	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30H	C	1	67	51.3	44.6	6.7	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30I	C	1	67	51.3	44.5	6.8	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30J	C	1	67	51.3	44.7	6.6	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30K	C	1	67	51.4	45.1	6.3	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct
Wall TI-2	I30L	C	1	67	51.6	45.6	6	1	13	Yes	Yes	20	895	17900	$ 644,400.00	$ 49,569.23	Propose to Construct

														Noise Level Comparison		
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
15ft height																
Wall TI-2	I27	G	1	-	55.1	54.1	1	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I28	B	1	67	55.4	49	6.4	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I29	B	1	67	56.9	46.6	10.3	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I36	B	1	67	50.7	47	3.7	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I37	B	1	67	46.1	42.8	3.3	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I38	B	1	67	44.4	41.4	3	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I39	B	1	67	44.1	42.1	2	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I40	B	1	67	43.9	41.3	2.6	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I41	B	3	67	41.1	39.1	2	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I43	B	3	67	42.1	40.3	1.8	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I45	B	1	67	42.6	40.4	2.2	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	TI24	C	1	67	62.9	62.9	0	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	TI25	C	1	67	62.8	54.2	8.6	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	TI26	C	1	67	62.8	45.3	17.5	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	TI27	C	1	67	62.8	46.1	16.7	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	TI28	C	1	67	62.8	47.7	15.1	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30A	C	1	67	56.3	56	0.3	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30B	C	1	67	55.5	54.9	0.6	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30C	C	1	67	53.7	52	1.7	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30D	C	1	67	52.8	50.1	2.7	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30E	C	1	67	51.7	47.5	4.2	0	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30F	C	1	67	51.3	46	5.3	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30G	C	1	67	51.3	45.7	5.6	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30H	C	1	67	51.3	45.5	5.8	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30I	C	1	67	51.3	45.4	5.9	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30J	C	1	67	51.3	45.6	5.7	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30K	C	1	67	51.4	45.9	5.5	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct
Wall TI-2	I30L	C	1	67	51.6	46.3	5.3	1	13	Yes	Yes	15	895	13425	$ 483,300.00	$ 37,176.92	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
10ft height																	
Wall TI-2	I27	G	1	-	55.1	54.1	1	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I28	B	1	67	55.4	49.5	5.9	1	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I29	B	1	67	56.9	48.1	8.8	1	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I36	B	1	67	50.7	47.5	3.2	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I37	B	1	67	46.1	43.6	2.5	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I38	B	1	67	44.4	42.2	2.2	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I39	B	1	67	44.1	42.6	1.5	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I40	B	1	67	43.9	42.5	1.4	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I41	B	3	67	41.1	40.1	1	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I43	B	3	67	42.1	41.1	1	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I45	B	1	67	42.6	41.2	1.4	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	TI24	C	1	67	62.9	62.9	0	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	TI25	C	1	67	62.8	54.7	8.1	1	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	TI26	C	1	67	62.8	48.6	14.2	1	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	TI27	C	1	67	62.8	49.3	13.5	1	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	TI28	C	1	67	62.8	50.4	12.4	1	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30A	C	1	67	56.3	56.1	0.2	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30B	C	1	67	55.5	55	0.5	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30C	C	1	67	53.7	52.5	1.2	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30D	C	1	67	52.8	50.9	1.9	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30E	C	1	67	51.7	49	2.7	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30F	C	1	67	51.3	48.1	3.2	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30G	C	1	67	51.3	47.9	3.4	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30H	C	1	67	51.3	47.7	3.6	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30I	C	1	67	51.3	47.6	3.7	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30J	C	1	67	51.3	47.6	3.7	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30K	C	1	67	51.4	47.8	3.6	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct
Wall TI-2	I30L	C	1	67	51.6	48.4	3.2	0	6	Yes	Yes	10	895	8950	$ 322,200.00	$ 53,700.00	Propose to Construct

													Noise Level Comparison			
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria		
8ft height																
Wall TI-2	I27	G	1	-	55.1	54.3	0.8	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I28	B	1	67	55.4	50.3	5.1	1	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I29	B	1	67	56.9	50.8	6.1	1	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I36	B	1	67	50.7	48.4	2.3	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I37	B	1	67	46.1	44.5	1.6	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I38	B	1	67	44.4	43.1	1.3	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I39	B	1	67	44.1	43.1	1	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I40	B	1	67	43.9	42.8	1.1	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I41	B	3	67	41.1	40.3	0.8	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I43	B	3	67	42.1	41.4	0.7	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I45	B	1	67	42.6	41.7	0.9	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	TI24	C	1	67	62.9	62.9	0	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	TI25	C	1	67	62.8	55	7.8	1	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	TI26	C	1	67	62.8	50	12.8	1	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	TI27	C	1	67	62.8	51.6	11.2	1	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	TI28	C	1	67	62.8	53	9.8	1	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30A	C	1	67	56.3	56.3	0	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30B	C	1	67	55.5	55.4	0.1	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30C	C	1	67	53.7	53.5	0.2	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30D	C	1	67	52.8	52.4	0.4	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30E	C	1	67	51.7	51.3	0.4	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30F	C	1	67	51.3	50.8	0.5	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30G	C	1	67	51.3	50.8	0.5	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30H	C	1	67	51.3	50.9	0.4	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30I	C	1	67	51.3	50.8	0.5	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30J	C	1	67	51.3	50.9	0.4	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30K	C	1	67	51.4	51	0.4	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct
Wall TI-2	I30L	C	1	67	51.6	51.1	0.5	0	6	Yes	Yes	8	895	7160	$ 257,760.00	$ 42,960.00	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
6ft height																	
Wall TI-2	I27	G	1	-	55.1	54.3	0.8	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I28	B	1	67	55.4	51.3	4.1	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I29	B	1	67	56.9	51.2	5.7	1	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I36	B	1	67	50.7	48.5	2.2	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I37	B	1	67	46.1	44.6	1.5	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I38	B	1	67	44.4	43.2	1.2	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I39	B	1	67	44.1	43.2	0.9	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I40	B	1	67	43.9	42.9	1	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I41	B	3	67	41.1	40.4	0.7	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I43	B	3	67	42.1	41.5	0.6	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I45	B	1	67	42.6	41.8	0.8	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	TI24	C	1	67	62.9	62.9	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	TI25	C	1	67	62.8	56.1	6.7	1	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	TI26	C	1	67	62.8	52.8	10	1	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	TI27	C	1	67	62.8	56.9	5.9	1	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	TI28	C	1	67	62.8	58	4.8	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30A	C	1	67	56.3	56.3	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30B	C	1	67	55.5	55.5	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30C	C	1	67	53.7	53.7	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30D	C	1	67	52.8	52.8	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30E	C	1	67	51.7	51.7	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30F	C	1	67	51.3	51.3	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30G	C	1	67	51.3	51.3	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30H	C	1	67	51.3	51.3	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30I	C	1	67	51.3	51.3	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30J	C	1	67	51.3	51.3	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30K	C	1	67	51.4	51.4	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct
Wall TI-2	I30L	C	1	67	51.6	51.6	0	0	4	Yes	Yes	6	895	5370	$ 193,320.00	$ 48,330.00	Propose to Construct

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-7: Wall TI3 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TI-3	I10	G	14	-	55.4	48	7.4	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I11	B	1	67	54.8	45.3	9.5	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I12	B	1	67	55.7	45.7	10	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I13	B	1	67	54	48.1	5.9	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I14	B	1	67	50.1	45.7	4.4	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I15	B	1	67	43.5	41.1	2.4	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I17	B	1	67	47.9	43.7	4.2	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I18	B	1	67	48.1	43.8	4.3	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I19	G	1	-	49	45.4	3.6	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I20	B	1	67	46.2	41.9	4.3	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I22	B	1	67	45.3	42.4	2.9	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I23	G	1	67	44.3	40.5	3.8	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I24	B	1	67	43.3	40.4	2.9	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I25	G	1	-	43.8	41.6	2.2	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	I26	B	1	67	51.5	49	2.5	0	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	TI20	C	1	67	62.9	45.5	17.4	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	TI21	C	1	67	63.6	44.9	18.7	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	TI22	C	1	67	63.6	45.7	17.9	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
Wall TI-3	TI23	C	1	67	63.5	47.1	16.4	1	7	Yes	Yes	20	985	19700	$ 709,200.00	$ 101,314.29	Not Cost Effective
15ft height																	
Wall TI-3	I10	G	14	-	55.4	48.4	7	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I11	B	1	67	54.8	46.1	8.7	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I12	B	1	67	55.7	46.5	9.2	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I13	B	1	67	54	48.3	5.7	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I14	B	1	67	50.1	45.9	4.2	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I15	B	1	67	43.5	41.2	2.3	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I17	B	1	67	47.9	43.8	4.1	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I18	B	1	67	48.1	43.9	4.2	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I19	G	1	-	49	45.5	3.5	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I20	B	1	67	46.2	42.1	4.1	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I22	B	1	67	45.3	42.5	2.8	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I23	G	1	67	44.3	40.7	3.6	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I24	B	1	67	43.3	40.5	2.8	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I25	G	1	-	43.8	41.7	2.1	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	I26	B	1	67	51.5	49.1	2.4	0	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	TI20	C	1	67	62.9	47.1	15.8	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	TI21	C	1	67	63.6	47.1	16.5	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	TI22	C	1	67	63.6	47.8	15.8	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct
Wall TI-3	TI23	C	1	67	63.5	48.5	15	1	7	Yes	Yes	15	985	14775	$ 531,900.00	$ 75,985.71	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
10ft height																	
Wall TI-3	I10	G	14	-	55.4	49.3	6.1	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I11	B	1	67	54.8	47.7	7.1	1	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I12	B	1	67	55.7	48.2	7.5	1	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I13	B	1	67	54	49.8	4.2	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I14	B	1	67	50.1	47.8	2.3	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I15	B	1	67	43.5	42.5	1	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I17	B	1	67	47.9	45.6	2.3	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I18	B	1	67	48.1	45.7	2.4	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I19	G	1	-	49	46.8	2.2	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I20	B	1	67	46.2	44.3	1.9	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I22	B	1	67	45.3	43.9	1.4	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I23	G	1	67	44.3	42.7	1.6	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I24	B	1	67	43.3	42.1	1.2	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I25	G	1	-	43.8	42.9	0.9	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	I26	B	1	67	51.5	50	1.5	0	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	TI20	C	1	67	62.9	50	12.9	1	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	TI21	C	1	67	63.6	50.3	13.3	1	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	TI22	C	1	67	63.6	50.8	12.8	1	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
Wall TI-3	TI23	C	1	67	63.5	51	12.5	1	6	Yes	Yes	10	985	9850	$ 354,600.00	$ 59,100.00	Propose to Construct
8ft height																	
Wall TI-3	I10	G	14	-	55.4	50	5.4	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I11	B	1	67	54.8	49.4	5.4	1	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I12	B	1	67	55.7	49.5	6.2	1	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I13	B	1	67	54	50.7	3.3	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I14	B	1	67	50.1	47.9	2.2	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I15	B	1	67	43.5	42.5	1	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I17	B	1	67	47.9	45.7	2.2	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I18	B	1	67	48.1	45.8	2.3	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I19	G	1	-	49	47	2	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I20	B	1	67	46.2	44.4	1.8	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I22	B	1	67	45.3	44	1.3	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I23	G	1	67	44.3	42.8	1.5	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I24	B	1	67	43.3	42.2	1.1	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I25	G	1	-	43.8	43	0.8	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	I26	B	1	67	51.5	50.1	1.4	0	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	TI20	C	1	67	62.9	52.2	10.7	1	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	TI21	C	1	67	63.6	52.8	10.8	1	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	TI22	C	1	67	63.6	53.2	10.4	1	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct
Wall TI-3	TI23	C	1	67	63.5	53.2	10.3	1	6	Yes	Yes	8	985	7880	$ 283,680.00	$ 47,280.00	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
6ft height																	
Wall TI-3	I10	G	14	-	55.4	52.4	3	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I11	B	1	67	54.8	52.1	2.7	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I12	B	1	67	55.7	53	2.7	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I13	B	1	67	54	50.9	3.1	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I14	B	1	67	50.1	48	2.1	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I15	B	1	67	43.5	42.6	0.9	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I17	B	1	67	47.9	45.8	2.1	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I18	B	1	67	48.1	45.9	2.2	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I19	G	1	-	49	47.1	1.9	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I20	B	1	67	46.2	44.6	1.6	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I22	B	1	67	45.3	44.1	1.2	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I23	G	1	67	44.3	43	1.3	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I24	B	1	67	43.3	42.4	0.9	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I25	G	1	-	43.8	43.2	0.6	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	I26	B	1	67	51.5	50.2	1.3	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	TI20	C	1	67	62.9	57.4	5.5	1	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	TI21	C	1	67	63.6	58.5	5.1	1	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	TI22	C	1	67	63.6	58.8	4.8	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TI-3	TI23	C	1	67	63.5	58.7	4.8	0	2	Yes	No	6	985	5910	$ 212,760.00	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-8: Wall TI4 - Summary

													Noise Level Comparison					
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)		Cost Per Benefited Receptor		Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier												
20ft height																		
Wall TI-4	I5	G	1	-	47.2	46.7	0.5	0	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	I6	G	1	-	48.9	48.5	0.4	0	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	I7	G	3	-	50.9	50	0.9	0	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	I8	G	1	-	56.2	55.7	0.5	0	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	I9	G	10	-	56.8	49	7.8	0	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	TI16	C	1	67	63	49.8	13.2	1	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	TI17	C	1	67	62.9	45.7	17.2	1	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
Wall TI-4	TI18	C	1	67	62.9	57.7	5.2	1	3	Yes	Yes	20	630	12600	$	453,600.00	$	151,200.00	Not Cost Effective
15ft height																		
Wall TI-4	I5	G	1	-	47.2	46.7	0.5	0	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	I6	G	1	-	48.9	48.5	0.4	0	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	I7	G	3	-	50.9	50	0.9	0	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	I8	G	1	-	56.2	55.7	0.5	0	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	I9	G	10	-	56.8	49.5	7.3	0	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	TI16	C	1	67	63	50.4	12.6	1	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	TI17	C	1	67	62.9	46.9	16	1	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
Wall TI-4	TI18	C	1	67	62.9	57.8	5.1	1	3	Yes	Yes	15	630	9450	$	340,200.00	$	113,400.00	Not Cost Effective
10ft height																		
Wall TI-4	I5	G	1	-	47.2	46.9	0.3	0	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	I6	G	1	-	48.9	48.6	0.3	0	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	I7	G	3	-	50.9	50.2	0.7	0	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	I8	G	1	-	56.2	55.8	0.4	0	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	I9	G	10	-	56.8	52	4.8	0	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	TI16	C	1	67	63	51.9	11.1	1	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	TI17	C	1	67	62.9	49.3	13.6	1	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
Wall TI-4	TI18	C	1	67	62.9	58	4.9	0	2	Yes	Yes	10	630	6300	$	226,800.00	$	113,400.00	Not Cost Effective
8ft height																		
Wall TI-4	I5	G	1	-	47.2	46.9	0.3	0	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	I6	G	1	-	48.9	48.7	0.2	0	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	I7	G	3	-	50.9	50.3	0.6	0	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	I8	G	1	-	56.2	55.8	0.4	0	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	I9	G	10	-	56.8	52.3	4.5	0	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	TI16	C	1	67	63	53.3	9.7	1	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	TI17	C	1	67	62.9	50.5	12.4	1	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
Wall TI-4	TI18	C	1	67	62.9	58.2	4.7	0	2	Yes	Yes	8	630	5040	$	181,440.00	$	90,720.00	Not Cost Effective
6ft height																		
Wall TI-4	I5	G	1	-	47.2	46.9	0.3	0	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	I6	G	1	-	48.9	48.7	0.2	0	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	I7	G	3	-	50.9	50.3	0.6	0	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	I8	G	1	-	56.2	55.8	0.4	0	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	I9	G	10	-	56.8	52.6	4.2	0	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	TI16	C	1	67	63	57.5	5.5	1	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	TI17	C	1	67	62.9	52.8	10.1	1	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct
Wall TI-4	TI18	C	1	67	62.9	59.3	3.6	0	2	Yes	Yes	6	630	3780	$	136,080.00	$	68,040.00	Propose to Construct

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-9: Wall TI5 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TI-5	TI1	C	1	67	66.3	50.3	16	1	2	Yes	Yes	20	470	9400	$ 338,400.00	$ 169,200.00	Not Cost Effective
Wall TI-5	TI2	C	1	67	66.3	48	18.3	1	2	Yes	Yes	20	470	9400	$ 338,400.00	$ 169,200.00	Not Cost Effective
Wall TI-5	TI3	G	1	67	66.4	66.4	0	0	2	Yes	Yes	20	470	9400	$ 338,400.00	$ 169,200.00	Not Cost Effective
15ft height																	
Wall TI-5	TI1	C	1	67	66.3	51	15.3	1	2	Yes	Yes	15	470	7050	$ 253,800.00	$ 126,900.00	Not Cost Effective
Wall TI-5	TI2	C	1	67	66.3	49.3	17	1	2	Yes	Yes	15	470	7050	$ 253,800.00	$ 126,900.00	Not Cost Effective
Wall TI-5	TI3	G	1	67	66.4	66.4	0	0	2	Yes	Yes	15	470	7050	$ 253,800.00	$ 126,900.00	Not Cost Effective
10ft height																	
Wall TI-5	TI1	C	1	67	66.3	52.9	13.4	1	2	Yes	Yes	10	470	4700	$ 169,200.00	$ 84,600.00	Not Cost Effective
Wall TI-5	TI2	C	1	67	66.3	52.2	14.1	1	2	Yes	Yes	10	470	4700	$ 169,200.00	$ 84,600.00	Not Cost Effective
Wall TI-5	TI3	G	1	67	66.4	66.4	0	0	2	Yes	Yes	10	470	4700	$ 169,200.00	$ 84,600.00	Not Cost Effective
8ft height																	
Wall TI-5	TI1	C	1	67	66.3	54.7	11.6	1	2	Yes	Yes	8	470	3760	$ 135,360.00	$ 67,680.00	Propose to Construct
Wall TI-5	TI2	C	1	67	66.3	54.1	12.2	1	2	Yes	Yes	8	470	3760	$ 135,360.00	$ 67,680.00	Propose to Construct
Wall TI-5	TI3	G	1	67	66.4	66.4	0	0	2	Yes	Yes	8	470	3760	$ 135,360.00	$ 67,680.00	Propose to Construct
6ft height																	
Wall TI-5	TI1	C	1	67	66.3	58.1	8.2	1	2	Yes	Yes	6	470	2820	$ 101,520.00	$ 50,760.00	Propose to Construct
Wall TI-5	TI2	C	1	67	66.3	57.5	8.8	1	2	Yes	Yes	6	470	2820	$ 101,520.00	$ 50,760.00	Propose to Construct
Wall TI-5	TI3	G	1	67	66.4	66.4	0	0	2	Yes	Yes	6	470	2820	$ 101,520.00	$ 50,760.00	Propose to Construct

Table B-10: Wall TJ - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TJ	JA7	C	1	67	39.9	39.2	0.7	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA13	C	1	67	57.3	57.3	0	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA14	C	1	67	49.8	49.7	0.1	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA15	C	1	67	47.4	47.3	0.1	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA16	C	1	67	46	45.8	0.2	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA17	C	1	67	41.6	41.5	0.1	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA18	C	1	67	39.2	39	0.2	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA19	C	1	67	38.5	37.3	1.2	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA20	C	1	67	37.6	36.6	1	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA21	C	1	67	37.5	36.8	0.7	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	JA22	C	1	67	36.4	36.1	0.3	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ1	C	1	67	63.4	63.4	0	0	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ2	C	1	67	62.7	48.2	14.5	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ3	C	1	67	63.3	45.8	17.5	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ4	C	1	67	63.6	44.8	18.8	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ5	C	1	67	64.7	44.9	19.8	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ6	C	1	67	64.6	45.9	18.7	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ7	C	1	67	65	46.9	18.1	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
Wall TJ	TJ8	C	1	67	65.2	51.2	14	1	7	Yes	Yes	20	1725	34500	$ 1,242,000.00	$ 177,428.57	Not Cost Effective
15ft height																	
Wall TJ	JA7	C	1	67	39.9	39.4	0.5	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA13	C	1	67	57.3	57.3	0	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA14	C	1	67	49.8	49.8	0	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA15	C	1	67	47.4	47.3	0.1	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA16	C	1	67	46	45.9	0.1	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA17	C	1	67	41.6	41.6	0	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA18	C	1	67	39.2	39.2	0	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA19	C	1	67	38.5	37.5	1	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA20	C	1	67	37.6	36.8	0.8	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA21	C	1	67	37.5	37	0.5	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	JA22	C	1	67	36.4	36.2	0.2	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ1	C	1	67	63.4	63.4	0	0	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TJ	TJ2	C	1	67	62.7	49.2	13.5	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ3	C	1	67	63.3	47.4	15.9	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ4	C	1	67	63.6	46.8	16.8	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ5	C	1	67	64.7	47.1	17.6	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ6	C	1	67	64.6	47.7	16.9	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ7	C	1	67	65	48.5	16.5	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
Wall TJ	TJ8	C	1	67	65.2	51.8	13.4	1	7	Yes	Yes	15	1725	25875	$ 931,500.00	$ 133,071.43	Not Cost Effective
10ft height																	
Wall TJ	JA7	C	1	67	39.9	39.7	0.2	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA13	C	1	67	57.3	57.3	0	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA14	C	1	67	49.8	49.8	0	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA15	C	1	67	47.4	47.4	0	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA16	C	1	67	46	46.1	-0.1	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA17	C	1	67	41.6	41.7	-0.1	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA18	C	1	67	39.2	39.2	0	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA19	C	1	67	38.5	37.8	0.7	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA20	C	1	67	37.6	37.1	0.5	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA21	C	1	67	37.5	37.2	0.3	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	JA22	C	1	67	36.4	36.3	0.1	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ1	C	1	67	63.4	63.4	0	0	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ2	C	1	67	62.7	51	11.7	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ3	C	1	67	63.3	50.2	13.1	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ4	C	1	67	63.6	50	13.6	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ5	C	1	67	64.7	50.3	14.4	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ6	C	1	67	64.6	50.6	14	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ7	C	1	67	65	51.1	13.9	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
Wall TJ	TJ8	C	1	67	65.2	53.2	12	1	7	Yes	Yes	10	1725	17250	$ 621,000.00	$ 88,714.29	Not Cost Effective
8ft height																	
Wall TJ	JA7	C	1	67	39.9	39.7	0.2	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA13	C	1	67	57.3	57.3	0	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA14	C	1	67	49.8	49.8	0	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA15	C	1	67	47.4	47.4	0	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA16	C	1	67	46	46.1	-0.1	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA17	C	1	67	41.6	41.7	-0.1	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA18	C	1	67	39.2	39.2	0	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA19	C	1	67	38.5	37.9	0.6	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA20	C	1	67	37.6	37.1	0.5	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA21	C	1	67	37.5	37.2	0.3	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	JA22	C	1	67	36.4	36.3	0.1	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ1	C	1	67	63.4	63.4	0	0	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ2	C	1	67	62.7	52.6	10.1	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ3	C	1	67	63.3	52.3	11	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ4	C	1	67	63.6	52.2	11.4	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ5	C	1	67	64.7	52.3	12.4	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ6	C	1	67	64.6	52.9	11.7	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ7	C	1	67	65	53.2	11.8	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
Wall TJ	TJ8	C	1	67	65.2	53.9	11.3	1	7	Yes	Yes	8	1725	13800	$ 496,800.00	$ 70,971.43	Propose to Construct
6ft height																	
Wall TJ	JA7	C	1	67	39.9	39.9	0	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA13	C	1	67	57.3	57.3	0	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA14	C	1	67	49.8	49.8	0	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA15	C	1	67	47.4	47.4	0	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA16	C	1	67	46	46.1	-0.1	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA17	C	1	67	41.6	41.7	-0.1	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA18	C	1	67	39.2	39.3	-0.1	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA19	C	1	67	38.5	38.2	0.3	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA20	C	1	67	37.6	37.4	0.2	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA21	C	1	67	37.5	37.3	0.2	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	JA22	C	1	67	36.4	36.4	0	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ1	C	1	67	63.4	63.4	0	0	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ2	C	1	67	62.7	56	6.7	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ3	C	1	67	63.3	56.3	7	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ4	C	1	67	63.6	56.3	7.3	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ5	C	1	67	64.7	56.9	7.8	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ6	C	1	67	64.6	57	7.6	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct
Wall TJ	TJ7	C	1	67	65	57.5	7.5	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct

													Noise Level Comparison					
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
Wall TJ	TJ8	C	1	67	65.2	58	7.2	1	7	Yes	Yes	6	1725	10350	$ 372,600.00	$ 53,228.57	Propose to Construct	

Table B-11: Wall KA - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall KA	K150	B	1	67	57.3	53.8	3.5	0	0	No	No	20	340	6800	244800	N/A	Does Not Meet Noise Reduction Design Goal
15ft height																	
Wall KA	K150	B	1	67	57.3	54.1	3.2	0	0	No	No	15	340	5100	183600	N/A	Does Not Meet Noise Reduction Design Goal
10ft height																	
Wall KA	K150	B	1	67	57.3	55	2.3	0	0	No	No	10	340	3400	122400	N/A	Does Not Meet Noise Reduction Design Goal
8ft height																	
Wall KA	K150	B	1	67	57.3	55.1	2.2	0	0	No	No	8	340	2720	97920	N/A	Does Not Meet Noise Reduction Design Goal
6ft height																	
Wall KA	K150	B	1	67	57.3	55.4	1.9	0	0	No	No	6	340	2040	73440	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-12: Wall TK - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TK	K1	B	1	67	60	63.9	-3.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K2	B	1	67	57.9	44.5	13.4	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K3	B	1	67	52.3	43.2	9.1	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K4	B	1	67	54.6	46	8.6	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K5	B	1	67	54.8	46	8.8	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K6	B	1	67	50.4	43	7.4	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K7	B	1	67	52.1	45.7	6.4	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K8	B	1	67	49.6	44.2	5.4	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K9	B	1	67	60.6	52.4	8.2	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K10	B	1	67	52.3	43.4	8.9	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K11	B	1	67	60.4	47.3	13.1	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K12	G	1	67	58.6	44.3	14.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K13	B	1	67	58.8	43.9	14.9	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K14	B	1	67	58.7	43.1	15.6	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K15	B	1	67	58.8	42.7	16.1	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K16	B	1	67	58.5	42.5	16	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K17	B	1	67	57.8	41.5	16.3	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K18	B	1	67	54.9	40.9	14	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K19	B	1	67	55	41.1	13.9	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K20	B	1	67	52.2	37.7	14.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K21	B	1	67	62	61.5	0.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K22	B	1	67	61.1	60.8	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K23	B	1	67	44.4	44	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K24	B	1	67	41.2	40.7	0.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K25	B	1	67	44.9	43.3	1.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K26	B	1	67	44.8	41.7	3.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K27	B	1	67	46.9	43.5	3.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K28	B	1	67	48.3	43.9	4.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K29	B	1	67	48.7	42.5	6.2	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K30	B	1	67	35.1	34.3	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K31	B	1	67	39.9	38.4	1.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K32	B	1	67	45.2	42.9	2.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K33	B	1	67	45.3	40.5	4.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K34	B	1	67	47.5	43.3	4.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K35	B	1	67	49.6	37.3	12.3	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K36	B	1	67	49.1	37.1	12	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K37	B	1	67	62.4	62.1	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K38	B	1	67	62.3	62	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K39	B	1	67	62.1	62	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K40	B	1	67	62.8	62.6	0.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K41	B	1	67	43.9	43.2	0.7	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K42	B	1	67	43.4	42.7	0.7	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K43	B	1	67	43.7	41.6	2.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K44	B	1	67	46.5	44.1	2.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K45	B	1	67	44.5	42.9	1.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K46	B	1	67	46.9	43.4	3.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K47	B	1	67	45.6	43.4	2.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K48	B	1	67	45.3	41.3	4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K49	B	1	67	43.7	41.2	2.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K50	B	1	67	40.4	38.9	1.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K51	B	1	67	41.6	39.7	1.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K52	B	1	67	40.7	38.7	2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K53	B	1	67	44.4	38.3	6.1	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K54	B	1	67	41.2	36.2	5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K55	B	1	67	39.9	36.7	3.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K56	B	1	67	41	37	4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K57	B	1	67	48	37.3	10.7	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K58	B	1	67	45.9	37.4	8.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K59	B	1	67	46.4	35.9	10.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K60	B	1	67	46.5	35.7	10.8	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K61	B	1	67	45.9	35.6	10.3	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K62	B	1	67	63.2	62.2	1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K63	B	1	67	63.2	62.2	1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K64	B	1	67	63.1	62.2	0.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K65	B	1	67	63.1	62.1	1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K66	B	1	67	63	62.2	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K67	B	1	67	63	62.1	0.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K68	B	1	67	61.4	61.4	0	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K69	B	1	67	62	61.6	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K70	B	1	67	59.5	59.4	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K71	B	1	67	60.3	60.1	0.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K72	B	1	67	43.3	42.5	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K73	B	1	67	43	42	1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K74	B	1	67	43.1	42.3	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K75	B	1	67	44.1	43.6	0.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K76	B	1	67	46	45.7	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K77	B	1	67	49.1	49	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K78	B	1	67	43.2	42.7	0.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K79	B	1	67	43.9	43.5	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K80	B	1	67	44.1	43.7	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K81	B	1	67	45	44.7	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K82	B	1	67	45.8	45.6	0.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K83	B	1	67	49.4	49.3	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K84	B	1	67	42.5	41	1.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K85	B	1	67	42.8	41.7	1.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K86	B	1	67	42.8	42.1	0.7	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K87	B	1	67	43	42.5	0.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K88	B	1	67	44.1	43.7	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K89	B	1	67	46.5	46.3	0.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K90	B	1	67	43.7	42.7	1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K91	B	1	67	44.7	44.2	0.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K92	B	1	67	46.7	46.4	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K93	B	1	67	45	44.6	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K94	B	1	67	45.4	45.1	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K95	B	1	67	47.9	47.8	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K96	B	1	67	44.9	42.9	2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K97	B	1	67	44.4	43	1.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K98	B	1	67	44.1	43.2	0.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K99	B	1	67	44.3	43.9	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K100	B	1	67	45.5	45.2	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K101	B	1	67	50.7	50.6	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K102	B	1	67	43.3	40.9	2.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K103	B	1	67	43	41.1	1.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K104	B	1	67	42.7	41.4	1.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K105	B	1	67	43.2	42.5	0.7	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K106	B	1	67	44.8	44.4	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K107	B	1	67	49	48.9	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K108	B	1	67	40	37.6	2.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K109	B	1	67	40	38	2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K110	B	1	67	39.7	38.5	1.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K111	B	1	67	40.6	39.8	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K112	B	1	67	42.9	42.6	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K113	B	1	67	49.3	49.2	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K114	B	1	67	39.8	37.9	1.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K115	B	1	67	40.1	38.6	1.5	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K116	B	1	67	40.6	39.4	1.2	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K117	B	1	67	42.4	41.6	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K118	B	1	67	44.8	44.5	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K119	B	1	67	48.8	48.7	0.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K120	B	1	67	41.1	38.3	2.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K121	B	1	67	41.4	38.6	2.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K122	B	1	67	41.5	38.9	2.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K123	B	1	67	41.5	39.9	1.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K124	B	1	67	42.5	41.5	1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K125	B	1	67	46.4	46	0.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K126	B	1	67	41.6	39.5	2.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K127	B	1	67	41.9	38.3	3.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K128	B	1	67	40.4	38.1	2.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K129	B	1	67	41.1	39.5	1.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct

														Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
Wall TK	K130	B	1	67	43.3	42.6	0.7	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K131	B	1	67	47.5	47.2	0.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K132	B	1	67	44.3	37.5	6.8	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K133	B	1	67	43.1	37.1	6	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K134	B	1	67	41.4	36.1	5.3	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K135	B	1	67	41.8	38	3.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K136	B	1	67	41.9	39.5	2.4	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K137	B	1	67	45.2	44.4	0.8	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K138	B	1	67	44.2	35.5	8.7	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K139	B	1	67	42	35.4	6.6	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K140	B	1	67	41.2	37.3	3.9	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K141	B	1	67	41.5	39.2	2.3	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K142	B	1	67	43.8	42.7	1.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K143	B	1	67	43	34.8	8.2	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K144	B	1	67	40.3	34.8	5.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K145	B	1	67	39.7	35.1	4.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K146	B	1	67	39.3	35.2	4.1	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	K150	B	1	67	57.3	56.7	0.6	0	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK1	C	1	67	64.8	58.3	6.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK2	C	1	67	64.1	47.8	16.3	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK3	C	1	67	63.9	46.2	17.7	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK4	C	1	67	64	57.8	6.2	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK5	C	1	67	64	47	17	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK6	C	1	67	64.2	45.4	18.8	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK7	C	1	67	64.2	45.5	18.7	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK8	C	1	67	63.9	45.1	18.8	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK9	C	1	67	63.8	45.1	18.7	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK10	C	1	67	65.6	45.4	20.2	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK11	C	1	67	66	44.6	21.4	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK12	C	1	67	65.6	45.1	20.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK13	C	1	67	65.6	44.7	20.9	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK14	C	1	67	65.6	44.5	21.1	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK15	C	1	67	65.6	44.8	20.8	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK16	C	1	67	65.7	45.2	20.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK17	C	1	67	65.7	45.2	20.5	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK18	C	1	67	65.5	45.6	19.9	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK19	C	1	67	65.1	45.5	19.6	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK20	C	1	67	64.8	46.8	18	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct
Wall TK	TK21	C	1	67	64.9	52	12.9	1	56	Yes	Yes	20	4705	94100	$ 3,387,600.00	$ 60,492.86	Propose to Construct

														Noise Level Comparison			
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria		
15ft height																	
Wall TK	K1	B	1	67	60	64.1	-4.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K2	B	1	67	57.9	47.8	10.1	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K3	B	1	67	52.3	44.9	7.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K4	B	1	67	54.6	47.7	6.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K5	B	1	67	54.8	47.4	7.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K6	B	1	67	50.4	43.9	6.5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K7	B	1	67	52.1	46.2	5.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K8	B	1	67	49.6	44.8	4.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K9	B	1	67	60.6	52.6	8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K10	B	1	67	52.3	43.9	8.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K11	B	1	67	60.4	48	12.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K12	G	1	67	58.6	45.2	13.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K13	B	1	67	58.8	44.9	13.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K14	B	1	67	58.7	44.4	14.3	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K15	B	1	67	58.8	44.1	14.7	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K16	B	1	67	58.5	43.7	14.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K17	B	1	67	57.8	43	14.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K18	B	1	67	54.9	42.5	12.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K19	B	1	67	55	42.6	12.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K20	B	1	67	52.2	39.3	12.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K21	B	1	67	62	61.5	0.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K22	B	1	67	61.1	60.8	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K23	B	1	67	44.4	44.1	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K24	B	1	67	41.2	40.9	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K25	B	1	67	44.9	43.5	1.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K26	B	1	67	44.8	41.9	2.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K27	B	1	67	46.9	43.8	3.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K28	B	1	67	48.3	44.1	4.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K29	B	1	67	48.7	42.9	5.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K30	B	1	67	35.1	34.5	0.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K31	B	1	67	39.9	38.5	1.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K32	B	1	67	45.2	43	2.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K33	B	1	67	45.3	40.6	4.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K34	B	1	67	47.5	43.5	4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K35	B	1	67	49.6	38.3	11.3	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K36	B	1	67	49.1	38.2	10.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K37	B	1	67	62.4	62.1	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K38	B	1	67	62.3	62	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K39	B	1	67	62.1	62	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K40	B	1	67	62.8	62.6	0.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K41	B	1	67	43.9	43.4	0.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K42	B	1	67	43.4	42.8	0.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K43	B	1	67	43.7	41.7	2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K44	B	1	67	46.5	44.3	2.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K45	B	1	67	44.5	43	1.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K46	B	1	67	46.9	43.5	3.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K47	B	1	67	45.6	43.5	2.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K48	B	1	67	45.3	41.6	3.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K49	B	1	67	43.7	41.3	2.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K50	B	1	67	40.4	39.2	1.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K51	B	1	67	41.6	39.9	1.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K52	B	1	67	40.7	38.8	1.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K53	B	1	67	44.4	38.6	5.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K54	B	1	67	41.2	36.5	4.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K55	B	1	67	39.9	36.7	3.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K56	B	1	67	41	37.2	3.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K57	B	1	67	48	38	10	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K58	B	1	67	45.9	37.9	8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K59	B	1	67	46.4	36.8	9.6	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K60	B	1	67	46.5	36.6	9.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K61	B	1	67	45.9	36.4	9.5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K62	B	1	67	63.2	62.2	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K63	B	1	67	63.2	62.2	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K64	B	1	67	63.1	62.2	0.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K65	B	1	67	63.1	62.1	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct

														Noise Level Comparison				
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K66	B	1	67	63	62.2	0.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K67	B	1	67	63	62.1	0.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K68	B	1	67	61.4	61.4	0	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K69	B	1	67	62	61.6	0.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K70	B	1	67	59.5	59.4	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K71	B	1	67	60.3	60.1	0.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K72	B	1	67	43.3	42.8	0.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K73	B	1	67	43	42.3	0.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K74	B	1	67	43.1	42.5	0.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K75	B	1	67	44.1	43.7	0.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K76	B	1	67	46	45.8	0.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K77	B	1	67	49.1	49.1	0	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K78	B	1	67	43.2	42.8	0.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K79	B	1	67	43.9	43.6	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K80	B	1	67	44.1	43.8	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K81	B	1	67	45	44.8	0.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K82	B	1	67	45.8	45.6	0.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K83	B	1	67	49.4	49.3	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K84	B	1	67	42.5	41.1	1.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K85	B	1	67	42.8	41.8	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K86	B	1	67	42.8	42.1	0.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K87	B	1	67	43	42.5	0.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K88	B	1	67	44.1	43.7	0.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K89	B	1	67	46.5	46.4	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K90	B	1	67	43.7	42.7	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K91	B	1	67	44.7	44.2	0.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K92	B	1	67	46.7	46.4	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K93	B	1	67	45	44.7	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K94	B	1	67	45.4	45.1	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K95	B	1	67	47.9	47.9	0	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K96	B	1	67	44.9	43	1.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K97	B	1	67	44.4	43	1.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K98	B	1	67	44.1	43.2	0.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K99	B	1	67	44.3	43.9	0.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K100	B	1	67	45.5	45.2	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K101	B	1	67	50.7	50.6	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K102	B	1	67	43.3	41	2.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K103	B	1	67	43	41.1	1.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K104	B	1	67	42.7	41.5	1.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K105	B	1	67	43.2	42.5	0.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K106	B	1	67	44.8	44.4	0.4	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	
Wall TK	K107	B	1	67	49	48.9	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct	

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K108	B	1	67	40	37.7	2.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K109	B	1	67	40	38	2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K110	B	1	67	39.7	38.6	1.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K111	B	1	67	40.6	39.8	0.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K112	B	1	67	42.9	42.6	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K113	B	1	67	49.3	49.2	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K114	B	1	67	39.8	38	1.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K115	B	1	67	40.1	38.6	1.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K116	B	1	67	40.6	39.5	1.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K117	B	1	67	42.4	41.6	0.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K118	B	1	67	44.8	44.5	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K119	B	1	67	48.8	48.7	0.1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K120	B	1	67	41.1	38.4	2.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K121	B	1	67	41.4	38.7	2.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K122	B	1	67	41.5	39	2.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K123	B	1	67	41.5	39.9	1.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K124	B	1	67	42.5	41.5	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K125	B	1	67	46.4	46.1	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K126	B	1	67	41.6	39.7	1.9	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K127	B	1	67	41.9	38.4	3.5	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K128	B	1	67	40.4	38.1	2.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K129	B	1	67	41.1	39.5	1.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K130	B	1	67	43.3	42.6	0.7	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K131	B	1	67	47.5	47.2	0.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K132	B	1	67	44.3	37.9	6.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K133	B	1	67	43.1	37.4	5.7	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K134	B	1	67	41.4	36.3	5.1	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K135	B	1	67	41.8	38.2	3.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K136	B	1	67	41.9	39.6	2.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K137	B	1	67	45.2	44.4	0.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K138	B	1	67	44.2	36.1	8.1	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K139	B	1	67	42	35.8	6.2	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K140	B	1	67	41.2	37.4	3.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K141	B	1	67	41.5	39.3	2.2	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K142	B	1	67	43.8	42.8	1	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K143	B	1	67	43	35.5	7.5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K144	B	1	67	40.3	35.3	5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K145	B	1	67	39.7	35.4	4.3	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K146	B	1	67	39.3	35.5	3.8	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	K150	B	1	67	57.3	56.7	0.6	0	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK1	C	1	67	64.8	58.5	6.3	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK2	C	1	67	64.1	49.3	14.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK3	C	1	67	63.9	48.4	15.5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK4	C	1	67	64	58	6	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK5	C	1	67	64	49	15	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK6	C	1	67	64.2	48	16.2	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK7	C	1	67	64.2	48.2	16	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK8	C	1	67	63.9	48.1	15.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK9	C	1	67	63.8	48	15.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK10	C	1	67	65.6	47.9	17.7	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK11	C	1	67	66	47.6	18.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK12	C	1	67	65.6	47.9	17.7	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK13	C	1	67	65.6	47.5	18.1	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK14	C	1	67	65.6	47.5	18.1	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	TK15	C	1	67	65.6	47.5	18.1	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK16	C	1	67	65.7	47.8	17.9	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK17	C	1	67	65.7	47.9	17.8	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK18	C	1	67	65.5	48	17.5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK19	C	1	67	65.1	47.6	17.5	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK20	C	1	67	64.8	48.4	16.4	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
Wall TK	TK21	C	1	67	64.9	52.6	12.3	1	54	Yes	Yes	15	4705	70575	$ 2,540,700.00	$ 47,050.00	Propose to Construct
10ft height																	
Wall TK	K1	B	1	67	60	65	-5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K2	B	1	67	57.9	52	5.9	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K3	B	1	67	52.3	48.9	3.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K4	B	1	67	54.6	51.1	3.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K5	B	1	67	54.8	50.4	4.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K6	B	1	67	50.4	46.5	3.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K7	B	1	67	52.1	48	4.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K8	B	1	67	49.6	46.6	3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K9	B	1	67	60.6	53.7	6.9	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K10	B	1	67	52.3	45.8	6.5	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K11	B	1	67	60.4	50.9	9.5	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K12	G	1	67	58.6	48.7	9.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K13	B	1	67	58.8	48.7	10.1	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K14	B	1	67	58.7	48.5	10.2	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K15	B	1	67	58.8	48.4	10.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K16	B	1	67	58.5	47.9	10.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K17	B	1	67	57.8	45.8	12	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K18	B	1	67	54.9	45.1	9.8	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K19	B	1	67	55	45.2	9.8	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K20	B	1	67	52.2	44.5	7.7	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K21	B	1	67	62	61.6	0.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K22	B	1	67	61.1	60.8	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K23	B	1	67	44.4	44.2	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K24	B	1	67	41.2	41	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K25	B	1	67	44.9	43.9	1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K26	B	1	67	44.8	42.5	2.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K27	B	1	67	46.9	45	1.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K28	B	1	67	48.3	45	3.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K29	B	1	67	48.7	44.4	4.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K30	B	1	67	35.1	34.8	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K31	B	1	67	39.9	39	0.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K32	B	1	67	45.2	43.4	1.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K33	B	1	67	45.3	41.7	3.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K34	B	1	67	47.5	44.2	3.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K35	B	1	67	49.6	41.9	7.7	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K36	B	1	67	49.1	42.7	6.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K37	B	1	67	62.4	62.1	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K38	B	1	67	62.3	62	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K39	B	1	67	62.1	62	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K40	B	1	67	62.8	62.6	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K41	B	1	67	43.9	43.6	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K42	B	1	67	43.4	42.9	0.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K43	B	1	67	43.7	42.2	1.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K44	B	1	67	46.5	45	1.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K45	B	1	67	44.5	43.5	1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K46	B	1	67	46.9	44.3	2.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K47	B	1	67	45.6	44	1.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K48	B	1	67	45.3	42.6	2.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K49	B	1	67	43.7	41.9	1.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K50	B	1	67	40.4	39.7	0.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K51	B	1	67	41.6	40.3	1.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K52	B	1	67	40.7	39.3	1.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K53	B	1	67	44.4	40	4.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K54	B	1	67	41.2	37.9	3.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K55	B	1	67	39.9	37.6	2.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K56	B	1	67	41	38.3	2.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K57	B	1	67	48	40.9	7.1	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K58	B	1	67	45.9	40.1	5.8	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K59	B	1	67	46.4	40	6.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K60	B	1	67	46.5	39.9	6.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K61	B	1	67	45.9	39.6	6.3	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K62	B	1	67	63.2	62.2	1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K63	B	1	67	63.2	62.2	1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K64	B	1	67	63.1	62.2	0.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K65	B	1	67	63.1	62.1	1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K66	B	1	67	63	62.2	0.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K67	B	1	67	63	62.1	0.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K68	B	1	67	61.4	61.4	0	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K69	B	1	67	62	61.6	0.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K70	B	1	67	59.5	59.4	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K71	B	1	67	60.3	60.1	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K72	B	1	67	43.3	43	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K73	B	1	67	43	42.6	0.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K74	B	1	67	43.1	42.8	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K75	B	1	67	44.1	43.9	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K76	B	1	67	46	45.9	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K77	B	1	67	49.1	49.1	0	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K78	B	1	67	43.2	42.9	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K79	B	1	67	43.9	43.6	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K80	B	1	67	44.1	43.9	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K81	B	1	67	45	44.9	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K82	B	1	67	45.8	45.7	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K83	B	1	67	49.4	49.4	0	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K84	B	1	67	42.5	41.5	1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K85	B	1	67	42.8	42.1	0.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K86	B	1	67	42.8	42.3	0.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K87	B	1	67	43	42.6	0.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K88	B	1	67	44.1	43.8	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K89	B	1	67	46.5	46.4	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K90	B	1	67	43.7	43	0.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K91	B	1	67	44.7	44.4	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K92	B	1	67	46.7	46.5	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K93	B	1	67	45	44.7	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K94	B	1	67	45.4	45.2	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K95	B	1	67	47.9	47.9	0	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K96	B	1	67	44.9	43.3	1.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K97	B	1	67	44.4	43.2	1.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K98	B	1	67	44.1	43.4	0.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K99	B	1	67	44.3	44	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K100	B	1	67	45.5	45.2	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K101	B	1	67	50.7	50.6	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K102	B	1	67	43.3	41.5	1.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K103	B	1	67	43	41.5	1.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K104	B	1	67	42.7	41.8	0.9	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K105	B	1	67	43.2	42.7	0.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K106	B	1	67	44.8	44.5	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K107	B	1	67	49	48.9	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K108	B	1	67	40	38.3	1.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K109	B	1	67	40	38.4	1.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K110	B	1	67	39.7	38.9	0.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K111	B	1	67	40.6	40	0.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K112	B	1	67	42.9	42.7	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K113	B	1	67	49.3	49.2	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K114	B	1	67	39.8	38.5	1.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K115	B	1	67	40.1	39	1.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K116	B	1	67	40.6	39.8	0.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K117	B	1	67	42.4	41.8	0.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K118	B	1	67	44.8	44.6	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K119	B	1	67	48.8	48.7	0.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K120	B	1	67	41.1	39.1	2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K121	B	1	67	41.4	39.3	2.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K122	B	1	67	41.5	39.5	2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K123	B	1	67	41.5	40.3	1.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K124	B	1	67	42.5	41.7	0.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K125	B	1	67	46.4	46.1	0.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K126	B	1	67	41.6	40.2	1.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K127	B	1	67	41.9	39.2	2.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K128	B	1	67	40.4	38.7	1.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K129	B	1	67	41.1	39.9	1.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K130	B	1	67	43.3	42.7	0.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K131	B	1	67	47.5	47.3	0.2	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K132	B	1	67	44.3	39.5	4.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K133	B	1	67	43.1	39	4.1	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K134	B	1	67	41.4	37.7	3.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K135	B	1	67	41.8	39.1	2.7	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K136	B	1	67	41.9	40.1	1.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K137	B	1	67	45.2	44.6	0.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K138	B	1	67	44.2	38.8	5.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K139	B	1	67	42	37.6	4.4	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K140	B	1	67	41.2	38.4	2.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K141	B	1	67	41.5	39.9	1.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K142	B	1	67	43.8	43	0.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K143	B	1	67	43	38	5	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K144	B	1	67	40.3	37	3.3	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K145	B	1	67	39.7	36.9	2.8	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K146	B	1	67	39.3	36.8	2.5	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	K150	B	1	67	57.3	56.7	0.6	0	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK1	C	1	67	64.8	58.9	5.9	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK2	C	1	67	64.1	51.5	12.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK3	C	1	67	63.9	51.5	12.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK4	C	1	67	64	58.4	5.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK5	C	1	67	64	51.8	12.2	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK6	C	1	67	64.2	51.4	12.8	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK7	C	1	67	64.2	51.5	12.7	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK8	C	1	67	63.9	51.3	12.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK9	C	1	67	63.8	51.4	12.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK10	C	1	67	65.6	51.4	14.2	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK11	C	1	67	66	51.4	14.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK12	C	1	67	65.6	51.3	14.3	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK13	C	1	67	65.6	51.1	14.5	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK14	C	1	67	65.6	51	14.6	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK15	C	1	67	65.6	51.1	14.5	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK16	C	1	67	65.7	51.3	14.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK17	C	1	67	65.7	51.5	14.2	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK18	C	1	67	65.5	51.3	14.2	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK19	C	1	67	65.1	51.1	14	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK20	C	1	67	64.8	51.4	13.4	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct
Wall TK	TK21	C	1	67	64.9	53.9	11	1	42	Yes	Yes	10	4705	47050	$ 1,693,800.00	$ 40,328.57	Propose to Construct

														Noise Level Comparison		
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
8ft height																
Wall TK	K1	B	1	67	60	65.6	-5.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K2	B	1	67	57.9	52.6	5.3	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K3	B	1	67	52.3	49.4	2.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K4	B	1	67	54.6	51.5	3.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K5	B	1	67	54.8	50.9	3.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K6	B	1	67	50.4	46.8	3.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K7	B	1	67	52.1	48.4	3.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K8	B	1	67	49.6	46.9	2.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K9	B	1	67	60.6	53.9	6.7	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K10	B	1	67	52.3	46.1	6.2	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K11	B	1	67	60.4	51.4	9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K12	G	1	67	58.6	49.2	9.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K13	B	1	67	58.8	49.2	9.6	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K14	B	1	67	58.7	49	9.7	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K15	B	1	67	58.8	49	9.8	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K16	B	1	67	58.5	48.6	9.9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K17	B	1	67	57.8	48.3	9.5	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K18	B	1	67	54.9	48.4	6.5	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K19	B	1	67	55	48.2	6.8	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K20	B	1	67	52.2	45	7.2	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K21	B	1	67	62	61.6	0.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K22	B	1	67	61.1	60.9	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K23	B	1	67	44.4	44.2	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K24	B	1	67	41.2	41	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K25	B	1	67	44.9	44	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K26	B	1	67	44.8	42.7	2.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K27	B	1	67	46.9	45.3	1.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K28	B	1	67	48.3	45.2	3.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K29	B	1	67	48.7	44.6	4.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K30	B	1	67	35.1	35	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K31	B	1	67	39.9	39	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K32	B	1	67	45.2	43.5	1.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K33	B	1	67	45.3	41.9	3.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K34	B	1	67	47.5	44.3	3.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K35	B	1	67	49.6	42.4	7.2	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K36	B	1	67	49.1	43.2	5.9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K37	B	1	67	62.4	62.1	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K38	B	1	67	62.3	62	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K39	B	1	67	62.1	62	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K40	B	1	67	62.8	62.6	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K41	B	1	67	43.9	43.6	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K42	B	1	67	43.4	43	0.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K43	B	1	67	43.7	42.3	1.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K44	B	1	67	46.5	45.2	1.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K45	B	1	67	44.5	43.6	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K46	B	1	67	46.9	44.4	2.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K47	B	1	67	45.6	44.1	1.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K48	B	1	67	45.3	42.7	2.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K49	B	1	67	43.7	42	1.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K50	B	1	67	40.4	39.8	0.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K51	B	1	67	41.6	40.5	1.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K52	B	1	67	40.7	39.5	1.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K53	B	1	67	44.4	40.3	4.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K54	B	1	67	41.2	38.2	3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K55	B	1	67	39.9	37.8	2.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K56	B	1	67	41	38.5	2.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K57	B	1	67	48	41.3	6.7	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K58	B	1	67	45.9	40.5	5.4	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K59	B	1	67	46.4	40.5	5.9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K60	B	1	67	46.5	40.2	6.3	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K61	B	1	67	45.9	39.9	6	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K62	B	1	67	63.2	62.2	1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K63	B	1	67	63.2	62.2	1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K64	B	1	67	63.1	62.2	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K65	B	1	67	63.1	62.1	1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct

														Noise Level Comparison			
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria		
Wall TK	K66	B	1	67	63	62.2	0.8	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K67	B	1	67	63	62.1	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K68	B	1	67	61.4	61.4	0	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K69	B	1	67	62	61.6	0.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K70	B	1	67	59.5	59.4	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K71	B	1	67	60.3	60.1	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K72	B	1	67	43.3	43	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K73	B	1	67	43	42.7	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K74	B	1	67	43.1	42.9	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K75	B	1	67	44.1	43.9	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K76	B	1	67	46	45.9	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K77	B	1	67	49.1	49.1	0	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K78	B	1	67	43.2	42.9	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K79	B	1	67	43.9	43.7	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K80	B	1	67	44.1	43.9	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K81	B	1	67	45	45	0	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K82	B	1	67	45.8	45.8	0	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K83	B	1	67	49.4	49.3	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K84	B	1	67	42.5	41.6	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K85	B	1	67	42.8	42.1	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K86	B	1	67	42.8	42.3	0.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K87	B	1	67	43	42.7	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K88	B	1	67	44.1	43.8	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K89	B	1	67	46.5	46.4	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K90	B	1	67	43.7	43	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K91	B	1	67	44.7	44.4	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K92	B	1	67	46.7	46.5	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K93	B	1	67	45	44.8	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K94	B	1	67	45.4	45.2	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K95	B	1	67	47.9	47.9	0	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K96	B	1	67	44.9	43.4	1.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K97	B	1	67	44.4	43.4	1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K98	B	1	67	44.1	43.4	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K99	B	1	67	44.3	44	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K100	B	1	67	45.5	45.3	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K101	B	1	67	50.7	50.7	0	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K102	B	1	67	43.3	41.6	1.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K103	B	1	67	43	41.6	1.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K104	B	1	67	42.7	41.9	0.8	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K105	B	1	67	43.2	42.7	0.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K106	B	1	67	44.8	44.5	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K107	B	1	67	49	48.9	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K108	B	1	67	40	38.4	1.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K109	B	1	67	40	38.6	1.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K110	B	1	67	39.7	39	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K111	B	1	67	40.6	40.1	0.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K112	B	1	67	42.9	42.7	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K113	B	1	67	49.3	49.2	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K114	B	1	67	39.8	38.6	1.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K115	B	1	67	40.1	39.2	0.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K116	B	1	67	40.6	39.9	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K117	B	1	67	42.4	41.8	0.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K118	B	1	67	44.8	44.6	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K119	B	1	67	48.8	48.7	0.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K120	B	1	67	41.1	39.3	1.8	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K121	B	1	67	41.4	39.5	1.9	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K122	B	1	67	41.5	39.7	1.8	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K123	B	1	67	41.5	40.4	1.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K124	B	1	67	42.5	41.8	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K125	B	1	67	46.4	46.1	0.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K126	B	1	67	41.6	40.3	1.3	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K127	B	1	67	41.9	39.5	2.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K128	B	1	67	40.4	38.9	1.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K129	B	1	67	41.1	40	1.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K130	B	1	67	43.3	42.8	0.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K131	B	1	67	47.5	47.3	0.2	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct

												Noise Level Comparison				
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	K132	B	1	67	44.3	39.8	4.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K133	B	1	67	43.1	39.1	4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K134	B	1	67	41.4	37.9	3.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K135	B	1	67	41.8	39.2	2.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K136	B	1	67	41.9	40.2	1.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K137	B	1	67	45.2	44.6	0.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K138	B	1	67	44.2	39.1	5.1	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K139	B	1	67	42	37.9	4.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K140	B	1	67	41.2	38.5	2.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K141	B	1	67	41.5	40	1.5	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K142	B	1	67	43.8	43.1	0.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K143	B	1	67	43	38.3	4.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K144	B	1	67	40.3	37.2	3.1	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K145	B	1	67	39.7	37	2.7	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K146	B	1	67	39.3	36.9	2.4	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	K150	B	1	67	57.3	56.7	0.6	0	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK1	C	1	67	64.8	59.5	5.3	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK2	C	1	67	64.1	53.6	10.5	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK3	C	1	67	63.9	53.7	10.2	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK4	C	1	67	64	58.9	5.1	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK5	C	1	67	64	54.1	9.9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK6	C	1	67	64.2	53.9	10.3	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK7	C	1	67	64.2	54	10.2	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK8	C	1	67	63.9	53.8	10.1	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK9	C	1	67	63.8	53.7	10.1	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK10	C	1	67	65.6	54	11.6	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK11	C	1	67	66	53.5	12.5	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK12	C	1	67	65.6	53.9	11.7	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK13	C	1	67	65.6	53.8	11.8	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK14	C	1	67	65.6	53.7	11.9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK15	C	1	67	65.6	53.7	11.9	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK16	C	1	67	65.7	53.9	11.8	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK17	C	1	67	65.7	53.4	12.3	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK18	C	1	67	65.5	53.4	12.1	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK19	C	1	67	65.1	53.1	12	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK20	C	1	67	64.8	53.2	11.6	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
Wall TK	TK21	C	1	67	64.9	55.2	9.7	1	41	Yes	Yes	8	4705	37640	$ 1,355,040.00	$ 33,049.76	Propose to Construct
6ft height																	
Wall TK	K1	B	1	67	60	65.8	-5.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K2	B	1	67	57.9	53.8	4.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K3	B	1	67	52.3	50.7	1.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K4	B	1	67	54.6	52.9	1.7	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K5	B	1	67	54.8	52.4	2.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K6	B	1	67	50.4	47.3	3.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K7	B	1	67	52.1	48.9	3.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K8	B	1	67	49.6	47.3	2.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K9	B	1	67	60.6	54.2	6.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K10	B	1	67	52.3	46.5	5.8	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K11	B	1	67	60.4	52	8.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K12	G	1	67	58.6	50	8.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K13	B	1	67	58.8	50	8.8	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K14	B	1	67	58.7	49.9	8.8	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K15	B	1	67	58.8	49.8	9	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K16	B	1	67	58.5	49.2	9.3	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K17	B	1	67	57.8	49	8.8	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K18	B	1	67	54.9	49	5.9	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K19	B	1	67	55	48.9	6.1	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K20	B	1	67	52.2	45.7	6.5	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K21	B	1	67	62	61.6	0.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K22	B	1	67	61.1	60.9	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K23	B	1	67	44.4	44.2	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K24	B	1	67	41.2	41.1	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K25	B	1	67	44.9	44.1	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K26	B	1	67	44.8	42.8	2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K27	B	1	67	46.9	45.6	1.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K28	B	1	67	48.3	45.4	2.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
Wall TK	K29	B	1	67	48.7	44.8	3.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K30	B	1	67	35.1	35.1	0	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K31	B	1	67	39.9	39.1	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K32	B	1	67	45.2	43.6	1.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K33	B	1	67	45.3	42.2	3.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K34	B	1	67	47.5	44.6	2.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K35	B	1	67	49.6	43	6.6	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K36	B	1	67	49.1	43.9	5.2	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K37	B	1	67	62.4	62.1	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K38	B	1	67	62.3	62	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K39	B	1	67	62.1	62	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K40	B	1	67	62.8	62.6	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K41	B	1	67	43.9	43.6	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K42	B	1	67	43.4	43	0.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K43	B	1	67	43.7	42.4	1.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K44	B	1	67	46.5	45.3	1.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K45	B	1	67	44.5	43.7	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K46	B	1	67	46.9	44.6	2.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K47	B	1	67	45.6	44.2	1.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K48	B	1	67	45.3	42.9	2.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K49	B	1	67	43.7	42.1	1.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K50	B	1	67	40.4	39.9	0.5	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K51	B	1	67	41.6	40.6	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K52	B	1	67	40.7	39.7	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K53	B	1	67	44.4	40.6	3.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K54	B	1	67	41.2	38.5	2.7	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K55	B	1	67	39.9	38	1.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K56	B	1	67	41	38.8	2.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K57	B	1	67	48	41.9	6.1	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K58	B	1	67	45.9	41	4.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K59	B	1	67	46.4	41.2	5.2	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K60	B	1	67	46.5	40.9	5.6	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K61	B	1	67	45.9	40.5	5.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K62	B	1	67	63.2	62.2	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K63	B	1	67	63.2	62.2	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K64	B	1	67	63.1	62.2	0.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K65	B	1	67	63.1	62.1	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K66	B	1	67	63	62.2	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K67	B	1	67	63	62.1	0.9	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K68	B	1	67	61.4	61.4	0	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K69	B	1	67	62	61.6	0.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K70	B	1	67	59.5	59.4	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K71	B	1	67	60.3	60.1	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K72	B	1	67	43.3	43.1	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K73	B	1	67	43	42.7	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K74	B	1	67	43.1	42.9	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K75	B	1	67	44.1	44	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K76	B	1	67	46	45.9	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K77	B	1	67	49.1	49.1	0	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K78	B	1	67	43.2	43	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K79	B	1	67	43.9	43.7	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K80	B	1	67	44.1	44	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K81	B	1	67	45	44.9	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K82	B	1	67	45.8	45.7	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K83	B	1	67	49.4	49.3	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K84	B	1	67	42.5	41.7	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K85	B	1	67	42.8	42.2	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K86	B	1	67	42.8	42.4	0.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K87	B	1	67	43	42.7	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K88	B	1	67	44.1	43.9	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K89	B	1	67	46.5	46.4	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K90	B	1	67	43.7	43.1	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K91	B	1	67	44.7	44.4	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K92	B	1	67	46.7	46.5	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K93	B	1	67	45	44.8	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K94	B	1	67	45.4	45.2	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct

													Noise Level Comparison			
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria		
Wall TK	K95	B	1	67	47.9	47.9	0	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K96	B	1	67	44.9	43.6	1.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K97	B	1	67	44.4	43.4	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K98	B	1	67	44.1	43.5	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K99	B	1	67	44.3	44.1	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K100	B	1	67	45.5	45.3	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K101	B	1	67	50.7	50.7	0	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K102	B	1	67	43.3	41.7	1.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K103	B	1	67	43	41.7	1.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K104	B	1	67	42.7	41.9	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K105	B	1	67	43.2	42.8	0.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K106	B	1	67	44.8	44.5	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K107	B	1	67	49	48.9	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K108	B	1	67	40	38.6	1.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K109	B	1	67	40	38.8	1.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K110	B	1	67	39.7	39.1	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K111	B	1	67	40.6	40.2	0.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K112	B	1	67	42.9	42.8	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K113	B	1	67	49.3	49.2	0.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K114	B	1	67	39.8	38.8	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K115	B	1	67	40.1	39.3	0.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K116	B	1	67	40.6	40	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K117	B	1	67	42.4	41.9	0.5	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K118	B	1	67	44.8	44.6	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K119	B	1	67	48.8	48.8	0	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K120	B	1	67	41.1	39.6	1.5	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K121	B	1	67	41.4	39.7	1.7	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K122	B	1	67	41.5	39.9	1.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K123	B	1	67	41.5	40.5	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K124	B	1	67	42.5	41.9	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K125	B	1	67	46.4	46.1	0.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K126	B	1	67	41.6	40.5	1.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K127	B	1	67	41.9	39.8	2.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K128	B	1	67	40.4	39.1	1.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K129	B	1	67	41.1	40.1	1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K130	B	1	67	43.3	42.8	0.5	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K131	B	1	67	47.5	47.3	0.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K132	B	1	67	44.3	40.3	4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K133	B	1	67	43.1	39.5	3.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K134	B	1	67	41.4	38.3	3.1	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K135	B	1	67	41.8	39.5	2.3	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K136	B	1	67	41.9	40.4	1.5	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K137	B	1	67	45.2	44.6	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K138	B	1	67	44.2	39.6	4.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K139	B	1	67	42	38.4	3.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K140	B	1	67	41.2	38.8	2.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K141	B	1	67	41.5	40.1	1.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K142	B	1	67	43.8	43.1	0.7	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K143	B	1	67	43	38.8	4.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K144	B	1	67	40.3	37.5	2.8	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K145	B	1	67	39.7	37.3	2.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K146	B	1	67	39.3	37.1	2.2	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	K150	B	1	67	57.3	56.7	0.6	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK1	C	1	67	64.8	61.1	3.7	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK2	C	1	67	64.1	57.4	6.7	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK3	C	1	67	63.9	58.4	5.5	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK4	C	1	67	64	60.6	3.4	0	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK5	C	1	67	64	58.4	5.6	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK6	C	1	67	64.2	58.3	5.9	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK7	C	1	67	64.2	58.4	5.8	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK8	C	1	67	63.9	58.3	5.6	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK9	C	1	67	63.8	58.3	5.5	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK10	C	1	67	65.6	58.4	7.2	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK11	C	1	67	66	58.7	7.3	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK12	C	1	67	65.6	58.2	7.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct
Wall TK	TK13	C	1	67	65.6	58.2	7.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct

														Noise Level Comparison				
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TK	TK14	C	1	67	65.6	58.2	7.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK15	C	1	67	65.6	58.2	7.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK16	C	1	67	65.7	58.3	7.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK17	C	1	67	65.7	58.4	7.3	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK18	C	1	67	65.5	58.2	7.3	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK19	C	1	67	65.1	56.7	8.4	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK20	C	1	67	64.8	56.8	8	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	
Wall TK	TK21	C	1	67	64.9	58.6	6.3	1	36	Yes	Yes	6	4705	28230	$ 1,016,280.00	$ 28,230.00	Propose to Construct	

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-13: Wall TL - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TL	L2	G	1	-	58.9	46.5	12.4	0	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL1	C	1	67	67.5	52	15.5	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL2	C	1	67	67.4	46.7	20.7	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL3	C	1	67	67.5	46.7	20.8	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL4	C	1	67	67.4	46.9	20.5	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL5	C	1	67	67.4	46.9	20.5	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL6	C	1	67	67.4	47.2	20.2	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL7	C	1	67	67.4	47.9	19.5	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL8	C	1	67	67.1	48.5	18.6	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
Wall TL	TL9	C	1	67	66.4	49.9	16.5	1	9	Yes	Yes	20	2265	45300	$ 1,630,800.00	$ 181,200.00	Not Cost Effective
15ft height																	
Wall TL	L2	G	1	-	58.9	47.7	11.2	0	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL1	C	1	67	67.5	52.9	14.6	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL2	C	1	67	67.4	48.4	19	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL3	C	1	67	67.5	48.4	19.1	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL4	C	1	67	67.4	48.4	19	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL5	C	1	67	67.4	49.1	18.3	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL6	C	1	67	67.4	49.2	18.2	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL7	C	1	67	67.4	50.2	17.2	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL8	C	1	67	67.1	50.5	16.6	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
Wall TL	TL9	C	1	67	66.4	51.3	15.1	1	9	Yes	Yes	15	2265	33975	$ 1,223,100.00	$ 135,900.00	Not Cost Effective
10ft height																	
Wall TL	L2	G	1	-	58.9	52.3	6.6	0	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL1	C	1	67	67.5	54.6	12.9	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL2	C	1	67	67.4	51.4	16	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL3	C	1	67	67.5	51.4	16.1	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL4	C	1	67	67.4	51.4	16	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL5	C	1	67	67.4	51.6	15.8	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL6	C	1	67	67.4	52.5	14.9	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL7	C	1	67	67.4	53.2	14.2	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL8	C	1	67	67.1	53.7	13.4	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
Wall TL	TL9	C	1	67	66.4	53.9	12.5	1	10	Yes	Yes	10	2265	22650	$ 815,400.00	$ 81,540.00	Not Cost Effective
8ft height																	
Wall TL	L2	G	1	-	58.9	52.7	6.2	0	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL1	C	1	67	67.5	63.5	4	0	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL2	C	1	67	67.4	55.9	11.5	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL3	C	1	67	67.5	55.9	11.6	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL4	C	1	67	67.4	56.2	11.2	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL5	C	1	67	67.4	56.2	11.2	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL6	C	1	67	67.4	56.2	11.2	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL7	C	1	67	67.4	56.3	11.1	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL8	C	1	67	67.1	56.1	11	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective
Wall TL	TL9	C	1	67	66.4	55.8	10.6	1	8	Yes	Yes	8	2265	18120	$ 652,320.00	$ 81,540.00	Not Cost Effective

														Noise Level Comparison			
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria		
6ft height																	
Wall TL	L2	G	1	-	58.9	53.1	5.8	0	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL1	C	1	67	67.5	64.6	2.9	0	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL2	C	1	67	67.4	61.5	5.9	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL3	C	1	67	67.5	61.5	6	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL4	C	1	67	67.4	61.6	5.8	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL5	C	1	67	67.4	61.7	5.7	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL6	C	1	67	67.4	61.6	5.8	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL7	C	1	67	67.4	61.6	5.8	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL8	C	1	67	67.1	61.3	5.8	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal
Wall TL	TL9	C	1	67	66.4	60.8	5.6	1	8	Yes	No	6	2265	13590	$ 489,240.00	N/A	Does Not Meet Noise Reduction Design Goal

Table B-14: Wall M - Summary

.	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall M	M3	B	1	67	50.1	48.5	1.6	0	0	No	No	20	600	12000	432000	N/A	Does Not Meet Noise Reduction Design Goal
15ft height																	
Wall M	M3	B	1	67	50.1	48.7	1.4	0	0	No	No	15	600	9000	324000	N/A	Does Not Meet Noise Reduction Design Goal
10ft height																	
Wall M	M3	B	1	67	50.1	49.4	0.7	0	0	No	No	10	600	6000	216000	N/A	Does Not Meet Noise Reduction Design Goal
8ft height																	
Wall M	M3	B	1	67	50.1	49.5	0.6	0	0	No	No	8	600	4800	172800	N/A	Does Not Meet Noise Reduction Design Goal
6ft height																	
Wall M	M3	B	1	67	50.1	49.6	0.5	0	0	No	No	6	600	3600	129600	N/A	Does Not Meet Noise Reduction Design Goal

Table B-15: Wall TM-1 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TM-1	M2	G	1	-	54.4	54.1	0.3	0	2	Yes	Yes	20	365	7300	262800	131400	Not Cost Effective
Wall TM-1	M4	G	1	-	62	61.5	0.5	0	2	Yes	Yes	20	365	7300	262800	131400	Not Cost Effective
Wall TM-1	TM1	C	1	67	66.7	53	13.7	1	2	Yes	Yes	20	365	7300	262800	131400	Not Cost Effective
Wall TM-1	TM2	C	1	67	66.3	53.5	12.8	1	2	Yes	Yes	20	365	7300	262800	131400	Not Cost Effective
Wall TM-1	TM3	C	1	67	67.9	67.9	0	0	2	Yes	Yes	20	365	7300	262800	131400	Not Cost Effective
15ft height																	
Wall TM-1	M2	G	1	-	54.4	54.1	0.3	0	2	Yes	Yes	15	365	5475	197100	98550	Not Cost Effective
Wall TM-1	M4	G	1	-	62	61.6	0.4	0	2	Yes	Yes	15	365	5475	197100	98550	Not Cost Effective
Wall TM-1	TM1	C	1	67	66.7	53.3	13.4	1	2	Yes	Yes	15	365	5475	197100	98550	Not Cost Effective
Wall TM-1	TM2	C	1	67	66.3	54	12.3	1	2	Yes	Yes	15	365	5475	197100	98550	Not Cost Effective
Wall TM-1	TM3	C	1	67	67.9	67.9	0	0	2	Yes	Yes	15	365	5475	197100	98550	Not Cost Effective
10ft height																	
Wall TM-1	M2	G	1	-	54.4	54.2	0.2	0	2	Yes	Yes	10	365	3650	131400	65700	Propose to Construct
Wall TM-1	M4	G	1	-	62	61.6	0.4	0	2	Yes	Yes	10	365	3650	131400	65700	Propose to Construct
Wall TM-1	TM1	C	1	67	66.7	54.2	12.5	1	2	Yes	Yes	10	365	3650	131400	65700	Propose to Construct
Wall TM-1	TM2	C	1	67	66.3	55.3	11	1	2	Yes	Yes	10	365	3650	131400	65700	Propose to Construct
Wall TM-1	TM3	C	1	67	67.9	67.9	0	0	2	Yes	Yes	10	365	3650	131400	65700	Propose to Construct

												Noise Level Comparison				
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
8ft height																
Wall TM-1	M2	G	1	-	54.4	54.3	0.1	0	2	Yes	Yes	8	365	2920	105120	52560	Propose to Construct
Wall TM-1	M4	G	1	-	62	61.6	0.4	0	2	Yes	Yes	8	365	2920	105120	52560	Propose to Construct
Wall TM-1	TM1	C	1	67	66.7	55.2	11.5	1	2	Yes	Yes	8	365	2920	105120	52560	Propose to Construct
Wall TM-1	TM2	C	1	67	66.3	56.6	9.7	1	2	Yes	Yes	8	365	2920	105120	52560	Propose to Construct
Wall TM-1	TM3	C	1	67	67.9	67.9	0	0	2	Yes	Yes	8	365	2920	105120	52560	Propose to Construct
6ft height																
Wall TM-1	M2	G	1	-	54.4	54.3	0.1	0	2	Yes	Yes	6	365	2190	78840	39420	Propose to Construct
Wall TM-1	M4	G	1	-	62	61.6	0.4	0	2	Yes	Yes	6	365	2190	78840	39420	Propose to Construct
Wall TM-1	TM1	C	1	67	66.7	58.2	8.5	1	2	Yes	Yes	6	365	2190	78840	39420	Propose to Construct
Wall TM-1	TM2	C	1	67	66.3	60.7	5.6	1	2	Yes	Yes	6	365	2190	78840	39420	Propose to Construct
Wall TM-1	TM3	C	1	67	67.9	67.9	0	0	2	Yes	Yes	6	365	2190	78840	39420	Propose to Construct

Table B-16: Wall TM-2 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TM-2	M3	B	1	67	50.1	47.8	2.3	0	4	Yes	Yes	20	920	18400	662400	165600	Not Cost Effective
Wall TM-2	TM4	C	1	67	65.6	56.3	9.3	1	4	Yes	Yes	20	920	18400	662400	165600	Not Cost Effective
Wall TM-2	TM5	C	1	67	66.5	49	17.5	1	4	Yes	Yes	20	920	18400	662400	165600	Not Cost Effective
Wall TM-2	TM6	C	1	67	67.4	48.7	18.7	1	4	Yes	Yes	20	920	18400	662400	165600	Not Cost Effective
Wall TM-2	TM7	C	1	67	68	49.3	18.7	1	4	Yes	Yes	20	920	18400	662400	165600	Not Cost Effective
Wall TM-2	TM8	C	1	67	67.6	67.6	0	0	4	Yes	Yes	20	920	18400	662400	165600	Not Cost Effective
15ft height																	
Wall TM-2	M3	B	1	67	50.1	48	2.1	0	4	Yes	Yes	15	920	13800	496800	124200	Not Cost Effective
Wall TM-2	TM4	C	1	67	65.6	56.7	8.9	1	4	Yes	Yes	15	920	13800	496800	124200	Not Cost Effective
Wall TM-2	TM5	C	1	67	66.5	50.7	15.8	1	4	Yes	Yes	15	920	13800	496800	124200	Not Cost Effective
Wall TM-2	TM6	C	1	67	67.4	50.7	16.7	1	4	Yes	Yes	15	920	13800	496800	124200	Not Cost Effective
Wall TM-2	TM7	C	1	67	68	50.9	17.1	1	4	Yes	Yes	15	920	13800	496800	124200	Not Cost Effective
Wall TM-2	TM8	C	1	67	67.6	67.6	0	0	4	Yes	Yes	15	920	13800	496800	124200	Not Cost Effective
10ft height																	
Wall TM-2	M3	B	1	67	50.1	49.1	1	0	4	Yes	Yes	10	920	9200	331200	82800	Not Cost Effective
Wall TM-2	TM4	C	1	67	65.6	57.2	8.4	1	4	Yes	Yes	10	920	9200	331200	82800	Not Cost Effective
Wall TM-2	TM5	C	1	67	66.5	53.3	13.2	1	4	Yes	Yes	10	920	9200	331200	82800	Not Cost Effective
Wall TM-2	TM6	C	1	67	67.4	53.8	13.6	1	4	Yes	Yes	10	920	9200	331200	82800	Not Cost Effective
Wall TM-2	TM7	C	1	67	68	54.1	13.9	1	4	Yes	Yes	10	920	9200	331200	82800	Not Cost Effective
Wall TM-2	TM8	C	1	67	67.6	67.6	0	0	4	Yes	Yes	10	920	9200	331200	82800	Not Cost Effective
8ft height																	
Wall TM-2	M3	B	1	67	50.1	48.9	1.2	0	4	Yes	Yes	8	920	7360	264960	66240	Propose to Construct
Wall TM-2	TM4	C	1	67	65.6	58.1	7.5	1	4	Yes	Yes	8	920	7360	264960	66240	Propose to Construct
Wall TM-2	TM5	C	1	67	66.5	55.2	11.3	1	4	Yes	Yes	8	920	7360	264960	66240	Propose to Construct
Wall TM-2	TM6	C	1	67	67.4	56.3	11.1	1	4	Yes	Yes	8	920	7360	264960	66240	Propose to Construct
Wall TM-2	TM7	C	1	67	68	55.8	12.2	1	4	Yes	Yes	8	920	7360	264960	66240	Propose to Construct
Wall TM-2	TM8	C	1	67	67.6	67.6	0	0	4	Yes	Yes	8	920	7360	264960	66240	Propose to Construct
6ft height																	
Wall TM-2	M3	B	1	67	50.1	49.3	0.8	0	3	Yes	No	6	920	5520	198720	N/A	Does Not Meet Noise Reduction Design Goal
Wall TM-2	TM4	C	1	67	65.6	61	4.6	0	3	Yes	No	6	920	5520	198720	N/A	Does Not Meet Noise Reduction Design Goal
Wall TM-2	TM5	C	1	67	66.5	60.7	5.8	1	3	Yes	No	6	920	5520	198720	N/A	Does Not Meet Noise Reduction Design Goal
Wall TM-2	TM6	C	1	67	67.4	61.6	5.8	1	3	Yes	No	6	920	5520	198720	N/A	Does Not Meet Noise Reduction Design Goal
Wall TM-2	TM7	C	1	67	68	62.2	5.8	1	3	Yes	No	6	920	5520	198720	N/A	Does Not Meet Noise Reduction Design Goal
Wall TM-2	TM8	C	1	67	67.6	67.6	0	0	3	Yes	No	6	920	5520	198720	N/A	Does Not Meet Noise Reduction Design Goal

Table B-17: Wall TN - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TN	TN1	C	1	67	66.9	65.4	1.5	0	1	Yes	Yes	20	265	5300	$ 190,800.00	$ 190,800.00	Not Cost Effective
Wall TN	TN2	C	1	67	65.9	50.3	15.6	1	1	Yes	Yes	20	265	5300	$ 190,800.00	$ 190,800.00	Not Cost Effective
Wall TN	TN3	C	1	67	67.9	67.8	0.1	0	1	Yes	Yes	20	265	5300	$ 190,800.00	$ 190,800.00	Not Cost Effective
15ft height																	

													Noise Level Comparison					
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
Wall TN	TN1	C	1	67	66.9	65.4	1.5	0	1	Yes	Yes	15	265	3975	$ 143,100.00	$ 143,100.00	Not Cost Effective	
Wall TN	TN2	C	1	67	65.9	51.4	14.5	1	1	Yes	Yes	15	265	3975	$ 143,100.00	$ 143,100.00	Not Cost Effective	
Wall TN	TN3	C	1	67	67.9	67.8	0.1	0	1	Yes	Yes	15	265	3975	$ 143,100.00	$ 143,100.00	Not Cost Effective	
10ft height																		
Wall TN	TN1	C	1	67	66.9	65.4	1.5	0	1	Yes	Yes	10	265	2586	$ 93,096.00	$ 93,096.00	Not Cost Effective	
Wall TN	TN2	C	1	67	65.9	53.6	12.3	1	1	Yes	Yes	10	265	2586	$ 93,096.00	$ 93,096.00	Not Cost Effective	
Wall TN	TN3	C	1	67	67.9	67.8	0.1	0	1	Yes	Yes	10	265	2586	$ 93,096.00	$ 93,096.00	Not Cost Effective	
8ft height																		
Wall TN	TN1	C	1	67	66.9	65.5	1.4	0	1	Yes	Yes	8	265	2104	$ 75,744.00	$ 75,744.00	Propose to Construct	
Wall TN	TN2	C	1	67	65.9	55.5	10.4	1	1	Yes	Yes	8	265	2104	$ 75,744.00	$ 75,744.00	Propose to Construct	
Wall TN	TN3	C	1	67	67.9	67.8	0.1	0	1	Yes	Yes	8	265	2104	$ 75,744.00	$ 75,744.00	Propose to Construct	
6ft height																		
Wall TN	TN1	C	1	67	66.9	65.8	1.1	0	1	Yes	No	6	265	1590	$ 57,240.00	N/A	Does Not Meet Noise Reduction Design Goal	
Wall TN	TN2	C	1	67	65.9	60.2	5.7	1	1	Yes	No	6	265	1590	$ 57,240.00	N/A	Does Not Meet Noise Reduction Design Goal	
Wall TN	TN3	C	1	67	67.9	67.8	0.1	0	1	Yes	No	6	265	1590	$ 57,240.00	N/A	Does Not Meet Noise Reduction Design Goal	

Table B-18: Wall O - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall O	O1	B	1	67	53.3	48	5.3	1	1	Yes	No	20	1100	22000	792000	N/A	Does Not Meet Noise Reduction Design Goal
15ft height																	
Wall O	O1	B	1	67	53.3	49.4	3.9	0	0	No	No	15	1100	16500	594000	N/A	Does Not Meet Noise Reduction Design Goal
10ft height																	
Wall O	O1	B	1	67	53.3	51.6	1.7	0	0	No	No	10	1100	11000	396000	N/A	Does Not Meet Noise Reduction Design Goal
8ft height																	
Wall O	O1	B	1	67	53.3	51.8	1.5	0	0	No	No	8	1100	8800	316800	N/A	Does Not Meet Noise Reduction Design Goal
6ft height																	
Wall O	O1	B	1	67	53.3	52.3	1	0	0	No	No	6	1100	6600	237600	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table B-19: Wall TO - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TO	O1	B	1	67	53.3	44.2	9.1	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP1	C	1	67	71.1	70.6	0.5	0	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP2	C	1	67	71.4	52.7	18.7	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP3	C	1	67	71.5	50.9	20.6	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP4	C	1	67	71.2	50.9	20.3	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP5	C	1	67	71	50.9	20.1	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP6	C	1	67	71.2	50.3	20.9	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP7	C	1	67	71.2	50.4	20.8	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP8	C	1	67	71.2	50.3	20.9	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TP9	C	1	67	71.4	49.8	21.6	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO1	C	1	67	71.3	50.3	21	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO2	C	1	67	71.1	50.7	20.4	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO3	C	1	67	71.1	50.5	20.6	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO4	C	1	67	71.2	50.2	21	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO5	C	1	67	68.2	48.7	19.5	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO6	C	1	67	66.3	47	19.3	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO7	C	1	67	66.2	47	19.2	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO8	C	1	67	67.5	47.1	20.4	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO9	C	1	67	67.3	47.1	20.2	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO10	C	1	67	66.7	47	19.7	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO11	C	1	67	67	47.1	19.9	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO12	C	1	67	67	47.3	19.7	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO13	C	1	67	66.9	47.7	19.2	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
Wall TO	TO14	C	1	67	66.8	50.2	16.6	1	23	Yes	Yes	20	5545	110900	$ 3,992,400.00	$ 173,582.61	Not Cost Effective
15ft height																	
Wall TO	O1	B	1	67	53.3	47	6.3	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP1	C	1	67	71.1	70.6	0.5	0	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP2	C	1	67	71.4	54.7	16.7	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP3	C	1	67	71.5	53.6	17.9	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP4	C	1	67	71.2	53.4	17.8	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP5	C	1	67	71	53.3	17.7	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP6	C	1	67	71.2	53.3	17.9	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP7	C	1	67	71.2	53.2	18	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP8	C	1	67	71.2	52.9	18.3	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TP9	C	1	67	71.4	52.3	19.1	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO1	C	1	67	71.3	52.7	18.6	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO2	C	1	67	71.1	53.2	17.9	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO3	C	1	67	71.1	53.2	17.9	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO4	C	1	67	71.2	53.2	18	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO5	C	1	67	68.2	51.3	16.9	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO6	C	1	67	66.3	49.6	16.7	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO7	C	1	67	66.2	49.5	16.7	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO8	C	1	67	67.5	49.7	17.8	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO9	C	1	67	67.3	49.7	17.6	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO10	C	1	67	66.7	49.5	17.2	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO11	C	1	67	67	49.8	17.2	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO12	C	1	67	67	49.8	17.2	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO13	C	1	67	66.9	50.1	16.8	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective
Wall TO	TO14	C	1	67	66.8	51.6	15.2	1	23	Yes	Yes	15	5545	83175	$ 2,994,300.00	$ 130,186.96	Not Cost Effective

														Noise Level Comparison			
														XX	Approaches or Exceeds FHWA Noise Abatement Criteria		
10ft height																	
Wall TO	O1	B	1	67	53.3	50.7	2.6	0	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP1	C	1	67	71.1	70.6	0.5	0	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP2	C	1	67	71.4	57.5	13.9	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP3	C	1	67	71.5	57	14.5	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP4	C	1	67	71.2	56.9	14.3	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP5	C	1	67	71	56.9	14.1	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP6	C	1	67	71.2	56.8	14.4	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP7	C	1	67	71.2	56.7	14.5	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP8	C	1	67	71.2	56.6	14.6	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TP9	C	1	67	71.4	56.6	14.8	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO1	C	1	67	71.3	56.7	14.6	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO2	C	1	67	71.1	56.7	14.4	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO3	C	1	67	71.1	56.9	14.2	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO4	C	1	67	71.2	56.7	14.5	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO5	C	1	67	68.2	55	13.2	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO6	C	1	67	66.3	53.3	13	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO7	C	1	67	66.2	52.9	13.3	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO8	C	1	67	67.5	53.2	14.3	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO9	C	1	67	67.3	53.4	13.9	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO10	C	1	67	66.7	53	13.7	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO11	C	1	67	67	53.2	13.8	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO12	C	1	67	67	53.2	13.8	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO13	C	1	67	66.9	53.3	13.6	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
Wall TO	TO14	C	1	67	66.8	54	12.8	1	22	Yes	Yes	10	5545	55450	$ 1,996,200.00	$ 90,736.36	Not Cost Effective
8ft height																	
Wall TO	O1	B	1	67	53.3	51	2.3	0	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP1	C	1	67	71.1	70.6	0.5	0	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP2	C	1	67	71.4	60.1	11.3	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP3	C	1	67	71.5	59.5	12	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP4	C	1	67	71.2	59.5	11.7	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP5	C	1	67	71	59.6	11.4	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP6	C	1	67	71.2	59.3	11.9	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP7	C	1	67	71.2	59.3	11.9	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP8	C	1	67	71.2	59	12.2	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TP9	C	1	67	71.4	58.8	12.6	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO1	C	1	67	71.3	58.9	12.4	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO2	C	1	67	71.1	59.4	11.7	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO3	C	1	67	71.1	59.5	11.6	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO4	C	1	67	71.2	59.6	11.6	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO5	C	1	67	68.2	57.1	11.1	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO6	C	1	67	66.3	55.2	11.1	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO7	C	1	67	66.2	55.3	10.9	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO8	C	1	67	67.5	55.8	11.7	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO9	C	1	67	67.3	56	11.3	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO10	C	1	67	66.7	55.4	11.3	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO11	C	1	67	67	55.8	11.2	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO12	C	1	67	67	55.8	11.2	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO13	C	1	67	66.9	55.7	11.2	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct
Wall TO	TO14	C	1	67	66.8	56.2	10.6	1	22	Yes	Yes	8	5545	44360	$ 1,596,960.00	$ 72,589.09	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
6ft height																	
Wall TO	O1	B	1	67	53.3	51.5	1.8	0	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP1	C	1	67	71.1	70.7	0.4	0	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP2	C	1	67	71.4	65	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP3	C	1	67	71.5	65.1	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP4	C	1	67	71.2	64.8	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP5	C	1	67	71	64.7	6.3	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP6	C	1	67	71.2	64.8	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP7	C	1	67	71.2	64.8	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP8	C	1	67	71.2	64.8	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TP9	C	1	67	71.4	62.7	8.7	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO1	C	1	67	71.3	65	6.3	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO2	C	1	67	71.1	64.7	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO3	C	1	67	71.1	64.7	6.4	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO4	C	1	67	71.2	64.7	6.5	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO5	C	1	67	68.2	62	6.2	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO6	C	1	67	66.3	60.6	5.7	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO7	C	1	67	66.2	60.5	5.7	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO8	C	1	67	67.5	61.2	6.3	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO9	C	1	67	67.3	61.3	6	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO10	C	1	67	66.7	60.8	5.9	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO11	C	1	67	67	61.1	5.9	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO12	C	1	67	67	61.2	5.8	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO13	C	1	67	66.9	61	5.9	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct
Wall TO	TO14	C	1	67	66.8	61	5.8	1	22	Yes	Yes	6	5545	33270	$ 1,197,720.00	$ 54,441.82	Propose to Construct

Table B-20: Wall TKb - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall TKb	K1	B	1	67	60	58.5	1.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K2	B	1	67	57.9	44.8	13.1	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K3	B	1	67	52.3	44.3	8	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K4	B	1	67	54.6	46.7	7.9	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K5	B	1	67	54.8	47.1	7.7	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K6	B	1	67	50.4	45.2	5.2	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K7	B	1	67	52.1	46.9	5.2	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K8	B	1	67	49.6	45.7	3.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K9	B	1	67	60.6	55.9	4.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K10	B	1	67	52.3	44.5	7.8	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K11	B	1	67	60.4	49.1	11.3	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K12	G	1	67	58.6	46.3	12.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K13	B	1	67	58.8	45.8	13	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K14	B	1	67	58.7	45.5	13.2	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K15	B	1	67	58.8	45.4	13.4	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K16	B	1	67	58.5	45.7	12.8	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K17	B	1	67	57.8	45.9	11.9	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K18	B	1	67	54.9	46.5	8.4	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K19	B	1	67	55	47.8	7.2	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K20	B	1	67	52.2	47.3	4.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K21	B	1	67	62	61.5	0.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K22	B	1	67	61.1	60.8	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K23	B	1	67	44.4	44	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K24	B	1	67	41.2	40.8	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K25	B	1	67	44.9	43.2	1.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K26	B	1	67	44.8	42.6	2.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K27	B	1	67	46.9	44	2.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K28	B	1	67	48.3	44.2	4.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K29	B	1	67	48.7	43.7	5	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K30	B	1	67	35.1	34.4	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K31	B	1	67	39.9	38.4	1.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K32	B	1	67	45.2	43.5	1.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K33	B	1	67	45.3	41.3	4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct

												Noise Level Comparison					
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria				
Wall TKb	K34	B	1	67	47.5	43.7	3.8	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K35	B	1	67	49.6	44.5	5.1	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K36	B	1	67	49.1	45.2	3.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K37	B	1	67	62.4	62.1	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K38	B	1	67	62.3	62	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K39	B	1	67	62.1	62	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K40	B	1	67	62.8	62.6	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K41	B	1	67	43.9	43.2	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K42	B	1	67	43.4	42.8	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K43	B	1	67	43.7	42.1	1.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K44	B	1	67	46.5	44.5	2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K45	B	1	67	44.5	43.1	1.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K46	B	1	67	46.9	43.7	3.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K47	B	1	67	45.6	43.5	2.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K48	B	1	67	45.3	42.1	3.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K49	B	1	67	43.7	41.4	2.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K50	B	1	67	40.4	39.3	1.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K51	B	1	67	41.6	40.1	1.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K52	B	1	67	40.7	39	1.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K53	B	1	67	44.4	40.2	4.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K54	B	1	67	41.2	36.6	4.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K55	B	1	67	39.9	36.7	3.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K56	B	1	67	41	37.8	3.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K57	B	1	67	48	42.9	5.1	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K58	B	1	67	45.9	41.2	4.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K59	B	1	67	46.4	41.4	5	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K60	B	1	67	46.5	41.3	5.2	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K61	B	1	67	45.9	41.3	4.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K62	B	1	67	63.2	62.2	1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K63	B	1	67	63.2	62.2	1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K64	B	1	67	63.1	62.2	0.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K65	B	1	67	63.1	62.1	1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K66	B	1	67	63	62.2	0.8	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K67	B	1	67	63	62.1	0.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K68	B	1	67	61.4	61.4	0	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K69	B	1	67	62	61.6	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K70	B	1	67	59.5	59.4	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K71	B	1	67	60.3	60.4	-0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K72	B	1	67	43.3	42.8	0.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K73	B	1	67	43	42.4	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K74	B	1	67	43.1	42.5	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K75	B	1	67	44.1	43.6	0.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K76	B	1	67	46	45.7	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K77	B	1	67	49.1	49	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K78	B	1	67	43.2	42.8	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K79	B	1	67	43.9	43.5	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K80	B	1	67	44.1	43.8	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K81	B	1	67	45	44.8	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K82	B	1	67	45.8	45.6	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K83	B	1	67	49.4	49.3	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K84	B	1	67	42.5	41.3	1.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K85	B	1	67	42.8	41.9	0.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K86	B	1	67	42.8	42.2	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K87	B	1	67	43	42.5	0.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K88	B	1	67	44.1	43.8	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K89	B	1	67	46.5	46.4	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K90	B	1	67	43.7	42.8	0.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K91	B	1	67	44.7	44.3	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K92	B	1	67	46.7	46.5	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K93	B	1	67	45	44.7	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K94	B	1	67	45.4	45.2	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K95	B	1	67	47.9	47.9	0	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K96	B	1	67	44.9	43	1.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K97	B	1	67	44.4	43.1	1.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K98	B	1	67	44.1	43.5	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K99	B	1	67	44.3	43.9	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct

													Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K100	B	1	67	45.5	45.2	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K101	B	1	67	50.7	50.6	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K102	B	1	67	43.3	41.1	2.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K103	B	1	67	43	41.3	1.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K104	B	1	67	42.7	41.5	1.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K105	B	1	67	43.2	42.5	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K106	B	1	67	44.8	44.4	0.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K107	B	1	67	49	48.9	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K108	B	1	67	40	38.5	1.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K109	B	1	67	40	38.6	1.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K110	B	1	67	39.7	38.8	0.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K111	B	1	67	40.6	39.9	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K112	B	1	67	42.9	42.6	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K113	B	1	67	49.3	49.2	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K114	B	1	67	39.8	38.1	1.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K115	B	1	67	40.1	38.8	1.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K116	B	1	67	40.6	39.7	0.9	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K117	B	1	67	42.4	41.7	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K118	B	1	67	44.8	44.6	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K119	B	1	67	48.8	48.7	0.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K120	B	1	67	41.1	38.5	2.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K121	B	1	67	41.4	39.4	2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K122	B	1	67	41.5	39.7	1.8	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K123	B	1	67	41.5	40.4	1.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K124	B	1	67	42.5	41.8	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K125	B	1	67	46.4	46.1	0.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K126	B	1	67	41.6	40.1	1.5	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K127	B	1	67	41.9	39.6	2.3	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K128	B	1	67	40.4	38.7	1.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K129	B	1	67	41.1	39.9	1.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K130	B	1	67	43.3	42.7	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K131	B	1	67	47.5	47.3	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K132	B	1	67	44.3	40.3	4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K133	B	1	67	43.1	39.5	3.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K134	B	1	67	41.4	38	3.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K135	B	1	67	41.8	39.4	2.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K136	B	1	67	41.9	40.3	1.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K137	B	1	67	45.2	44.6	0.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K138	B	1	67	44.2	39.6	4.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K139	B	1	67	42	37.9	4.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K140	B	1	67	41.2	38.4	2.8	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K141	B	1	67	41.5	39.9	1.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K142	B	1	67	43.8	43.1	0.7	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K143	B	1	67	43	39.4	3.6	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K144	B	1	67	40.3	37.9	2.4	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K145	B	1	67	39.7	37.6	2.1	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	K146	B	1	67	39.3	37.3	2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK1	C	1	67	64.8	48.2	16.6	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK2	C	1	67	64.1	47.2	16.9	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK3	C	1	67	63.9	49.2	14.7	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK4	C	1	67	64	63.8	0.2	0	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK5	C	1	67	64	45.8	18.2	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK6	C	1	67	64.2	45.9	18.3	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK7	C	1	67	64.2	45.5	18.7	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK8	C	1	67	63.9	46.9	17	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK9	C	1	67	63.8	0	63.8	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
Wall TKb	TK10	C	1	67	65.6	0	65.6	1	29	Yes	Yes	20	1960	39200	1411200	48662.06897	Propose to Construct
15ft height																	
Wall TKb	K1	B	1	67	60	58.6	1.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K2	B	1	67	57.9	46.1	11.8	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K3	B	1	67	52.3	45.2	7.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K4	B	1	67	54.6	47.5	7.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K5	B	1	67	54.8	47.7	7.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K6	B	1	67	50.4	45.5	4.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K7	B	1	67	52.1	47.2	4.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K8	B	1	67	49.6	46	3.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct

													Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K9	B	1	67	60.6	56	4.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K10	B	1	67	52.3	44.9	7.4	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K11	B	1	67	60.4	49.7	10.7	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K12	G	1	67	58.6	47.1	11.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K13	B	1	67	58.8	46.7	12.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K14	B	1	67	58.7	46.6	12.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K15	B	1	67	58.8	46.5	12.3	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K16	B	1	67	58.5	46.7	11.8	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K17	B	1	67	57.8	46.9	10.9	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K18	B	1	67	54.9	47.4	7.5	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K19	B	1	67	55	48.4	6.6	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K20	B	1	67	52.2	47.5	4.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K21	B	1	67	62	61.5	0.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K22	B	1	67	61.1	60.8	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K23	B	1	67	44.4	44.1	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K24	B	1	67	41.2	40.9	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K25	B	1	67	44.9	43.4	1.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K26	B	1	67	44.8	42.7	2.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K27	B	1	67	46.9	44.3	2.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K28	B	1	67	48.3	44.4	3.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K29	B	1	67	48.7	43.9	4.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K30	B	1	67	35.1	34.6	0.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K31	B	1	67	39.9	38.5	1.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K32	B	1	67	45.2	43.5	1.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K33	B	1	67	45.3	41.4	3.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K34	B	1	67	47.5	43.8	3.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K35	B	1	67	49.6	44.6	5	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K36	B	1	67	49.1	45.3	3.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K37	B	1	67	62.4	62.1	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K38	B	1	67	62.3	62	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K39	B	1	67	62.1	62	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K40	B	1	67	62.8	62.6	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K41	B	1	67	43.9	43.3	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K42	B	1	67	43.4	42.8	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K43	B	1	67	43.7	42.1	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K44	B	1	67	46.5	44.6	1.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K45	B	1	67	44.5	43.2	1.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K46	B	1	67	46.9	43.9	3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K47	B	1	67	45.6	43.6	2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K48	B	1	67	45.3	42.3	3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K49	B	1	67	43.7	41.6	2.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K50	B	1	67	40.4	39.4	1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K51	B	1	67	41.6	40.2	1.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K52	B	1	67	40.7	39.1	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K53	B	1	67	44.4	40.3	4.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K54	B	1	67	41.2	36.8	4.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K55	B	1	67	39.9	36.9	3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K56	B	1	67	41	37.9	3.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K57	B	1	67	48	43	5	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K58	B	1	67	45.9	41.3	4.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K59	B	1	67	46.4	41.5	4.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K60	B	1	67	46.5	41.4	5.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K61	B	1	67	45.9	41.4	4.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K62	B	1	67	63.2	62.2	1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K63	B	1	67	63.2	62.2	1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K64	B	1	67	63.1	62.2	0.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K65	B	1	67	63.1	62.1	1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K66	B	1	67	63	62.2	0.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K67	B	1	67	63	62.1	0.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K68	B	1	67	61.4	61.4	0	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K69	B	1	67	62	61.6	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K70	B	1	67	59.5	59.4	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K71	B	1	67	60.3	60.4	-0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K72	B	1	67	43.3	42.9	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K73	B	1	67	43	42.3	0.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K74	B	1	67	43.1	42.5	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct

													Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K75	B	1	67	44.1	43.7	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K76	B	1	67	46	45.7	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K77	B	1	67	49.1	49	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K78	B	1	67	43.2	42.9	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K79	B	1	67	43.9	43.5	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K80	B	1	67	44.1	43.8	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K81	B	1	67	45	44.8	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K82	B	1	67	45.8	45.7	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K83	B	1	67	49.4	49.3	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K84	B	1	67	42.5	41.4	1.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K85	B	1	67	42.8	42	0.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K86	B	1	67	42.8	42.2	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K87	B	1	67	43	42.6	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K88	B	1	67	44.1	43.8	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K89	B	1	67	46.5	46.4	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K90	B	1	67	43.7	42.9	0.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K91	B	1	67	44.7	44.3	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K92	B	1	67	46.7	46.5	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K93	B	1	67	45	44.8	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K94	B	1	67	45.4	45.2	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K95	B	1	67	47.9	47.9	0	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K96	B	1	67	44.9	43.1	1.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K97	B	1	67	44.4	43.2	1.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K98	B	1	67	44.1	43.5	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K99	B	1	67	44.3	43.9	0.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K100	B	1	67	45.5	45.2	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K101	B	1	67	50.7	50.6	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K102	B	1	67	43.3	41.2	2.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K103	B	1	67	43	41.4	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K104	B	1	67	42.7	41.6	1.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K105	B	1	67	43.2	42.5	0.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K106	B	1	67	44.8	44.5	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K107	B	1	67	49	48.9	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K108	B	1	67	40	38.6	1.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K109	B	1	67	40	38.7	1.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K110	B	1	67	39.7	38.8	0.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K111	B	1	67	40.6	39.9	0.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K112	B	1	67	42.9	42.6	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K113	B	1	67	49.3	49.2	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K114	B	1	67	39.8	38.2	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K115	B	1	67	40.1	38.9	1.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K116	B	1	67	40.6	39.7	0.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K117	B	1	67	42.4	41.7	0.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K118	B	1	67	44.8	44.6	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K119	B	1	67	48.8	48.7	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K120	B	1	67	41.1	38.6	2.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K121	B	1	67	41.4	39.5	1.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K122	B	1	67	41.5	39.8	1.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K123	B	1	67	41.5	40.4	1.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K124	B	1	67	42.5	41.8	0.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K125	B	1	67	46.4	46.1	0.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K126	B	1	67	41.6	40.2	1.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K127	B	1	67	41.9	39.7	2.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K128	B	1	67	40.4	38.8	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K129	B	1	67	41.1	39.9	1.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K130	B	1	67	43.3	42.7	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K131	B	1	67	47.5	47.3	0.2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K132	B	1	67	44.3	40.4	3.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K133	B	1	67	43.1	39.5	3.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K134	B	1	67	41.4	38.1	3.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K135	B	1	67	41.8	39.4	2.4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K136	B	1	67	41.9	40.3	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K137	B	1	67	45.2	44.6	0.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K138	B	1	67	44.2	39.7	4.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K139	B	1	67	42	38	4	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K140	B	1	67	41.2	38.4	2.8	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct

													Noise Level Comparison			
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K141	B	1	67	41.5	39.9	1.6	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K142	B	1	67	43.8	43.1	0.7	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K143	B	1	67	43	39.5	3.5	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K144	B	1	67	40.3	38	2.3	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K145	B	1	67	39.7	37.7	2	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	K146	B	1	67	39.3	37.4	1.9	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK1	C	1	67	64.8	49.5	15.3	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK2	C	1	67	64.1	48.7	15.4	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK3	C	1	67	63.9	50.1	13.8	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK4	C	1	67	64	63.9	0.1	0	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK5	C	1	67	64	47.9	16.1	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK6	C	1	67	64.2	48	16.2	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK7	C	1	67	64.2	47.7	16.5	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK8	C	1	67	63.9	48.5	15.4	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK9	C	1	67	63.8	0	63.8	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
Wall TKb	TK10	C	1	67	65.6	0	65.6	1	25	Yes	Yes	15	1960	29400	1058400	42336	Propose to Construct
10ft height																	
Wall TKb	K1	B	1	67	60	58.7	1.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K2	B	1	67	57.9	48.4	9.5	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K3	B	1	67	52.3	47.8	4.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K4	B	1	67	54.6	49.2	5.4	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K5	B	1	67	54.8	50.1	4.7	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K6	B	1	67	50.4	47.2	3.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K7	B	1	67	52.1	48.5	3.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K8	B	1	67	49.6	47.2	2.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K9	B	1	67	60.6	56.3	4.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K10	B	1	67	52.3	46.8	5.5	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K11	B	1	67	60.4	51.2	9.2	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K12	G	1	67	58.6	50.7	7.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K13	B	1	67	58.8	50.7	8.1	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K14	B	1	67	58.7	50.6	8.1	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K15	B	1	67	58.8	50.7	8.1	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K16	B	1	67	58.5	50.4	8.1	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K17	B	1	67	57.8	50.5	7.3	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K18	B	1	67	54.9	50.9	4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K19	B	1	67	55	51	4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K20	B	1	67	52.2	48.6	3.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K21	B	1	67	62	61.5	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K22	B	1	67	61.1	60.8	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K23	B	1	67	44.4	44.2	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K24	B	1	67	41.2	41.1	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K25	B	1	67	44.9	43.8	1.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K26	B	1	67	44.8	43.2	1.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K27	B	1	67	46.9	45.3	1.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K28	B	1	67	48.3	45.5	2.8	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K29	B	1	67	48.7	45.3	3.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K30	B	1	67	35.1	34.8	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K31	B	1	67	39.9	39	0.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K32	B	1	67	45.2	43.9	1.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K33	B	1	67	45.3	42.2	3.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K34	B	1	67	47.5	44.5	3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K35	B	1	67	49.6	45.2	4.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K36	B	1	67	49.1	45.7	3.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K37	B	1	67	62.4	62.1	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K38	B	1	67	62.3	62	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K39	B	1	67	62.1	62	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K40	B	1	67	62.8	62.6	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K41	B	1	67	43.9	43.5	0.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K42	B	1	67	43.4	43	0.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K43	B	1	67	43.7	42.6	1.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K44	B	1	67	46.5	45.2	1.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K45	B	1	67	44.5	43.6	0.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K46	B	1	67	46.9	44.8	2.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K47	B	1	67	45.6	44.2	1.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K48	B	1	67	45.3	43.2	2.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K49	B	1	67	43.7	42.2	1.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct

													Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K50	B	1	67	40.4	39.8	0.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K51	B	1	67	41.6	40.5	1.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K52	B	1	67	40.7	39.5	1.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K53	B	1	67	44.4	41.1	3.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K54	B	1	67	41.2	37.8	3.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K55	B	1	67	39.9	37.8	2.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K56	B	1	67	41	38.7	2.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K57	B	1	67	48	43.5	4.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K58	B	1	67	45.9	41.8	4.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K59	B	1	67	46.4	42	4.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K60	B	1	67	46.5	41.9	4.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K61	B	1	67	45.9	41.7	4.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K62	B	1	67	63.2	62.2	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K63	B	1	67	63.2	62.2	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K64	B	1	67	63.1	62.2	0.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K65	B	1	67	63.1	62.1	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K66	B	1	67	63	62.2	0.8	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K67	B	1	67	63	62.1	0.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K68	B	1	67	61.4	61.4	0	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K69	B	1	67	62	61.6	0.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K70	B	1	67	59.5	59.4	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K71	B	1	67	60.3	60.4	-0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K72	B	1	67	43.3	43.1	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K73	B	1	67	43	42.5	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K74	B	1	67	43.1	42.6	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K75	B	1	67	44.1	43.8	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K76	B	1	67	46	45.8	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K77	B	1	67	49.1	49.1	0	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K78	B	1	67	43.2	42.9	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K79	B	1	67	43.9	43.6	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K80	B	1	67	44.1	43.9	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K81	B	1	67	45	44.9	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K82	B	1	67	45.8	45.7	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K83	B	1	67	49.4	49.3	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K84	B	1	67	42.5	41.8	0.7	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K85	B	1	67	42.8	42.3	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K86	B	1	67	42.8	42.4	0.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K87	B	1	67	43	42.7	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K88	B	1	67	44.1	43.9	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K89	B	1	67	46.5	46.4	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K90	B	1	67	43.7	43.1	0.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K91	B	1	67	44.7	44.4	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K92	B	1	67	46.7	46.6	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K93	B	1	67	45	44.9	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K94	B	1	67	45.4	45.3	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K95	B	1	67	47.9	47.9	0	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K96	B	1	67	44.9	43.4	1.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K97	B	1	67	44.4	43.4	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K98	B	1	67	44.1	43.7	0.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K99	B	1	67	44.3	44	0.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K100	B	1	67	45.5	45.3	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K101	B	1	67	50.7	50.6	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K102	B	1	67	43.3	41.7	1.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K103	B	1	67	43	41.7	1.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K104	B	1	67	42.7	41.8	0.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K105	B	1	67	43.2	42.7	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K106	B	1	67	44.8	44.6	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K107	B	1	67	49	48.9	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K108	B	1	67	40	38.9	1.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K109	B	1	67	40	38.9	1.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K110	B	1	67	39.7	39	0.7	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K111	B	1	67	40.6	40	0.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K112	B	1	67	42.9	42.7	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K113	B	1	67	49.3	49.2	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K114	B	1	67	39.8	38.6	1.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K115	B	1	67	40.1	39.1	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct

												Noise Level Comparison				
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K116	B	1	67	40.6	39.9	0.7	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K117	B	1	67	42.4	41.9	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K118	B	1	67	44.8	44.6	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K119	B	1	67	48.8	48.8	0	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K120	B	1	67	41.1	39.1	2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K121	B	1	67	41.4	39.7	1.7	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K122	B	1	67	41.5	40	1.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K123	B	1	67	41.5	40.5	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K124	B	1	67	42.5	41.9	0.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K125	B	1	67	46.4	46.2	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K126	B	1	67	41.6	40.5	1.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K127	B	1	67	41.9	40	1.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K128	B	1	67	40.4	39.1	1.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K129	B	1	67	41.1	40.1	1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K130	B	1	67	43.3	42.8	0.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K131	B	1	67	47.5	47.3	0.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K132	B	1	67	44.3	40.7	3.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K133	B	1	67	43.1	39.8	3.3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K134	B	1	67	41.4	38.4	3	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K135	B	1	67	41.8	39.6	2.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K136	B	1	67	41.9	40.4	1.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K137	B	1	67	45.2	44.6	0.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K138	B	1	67	44.2	40.2	4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K139	B	1	67	42	38.5	3.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K140	B	1	67	41.2	38.7	2.5	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K141	B	1	67	41.5	40.1	1.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K142	B	1	67	43.8	43.2	0.6	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K143	B	1	67	43	39.6	3.4	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K144	B	1	67	40.3	38.1	2.2	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K145	B	1	67	39.7	37.8	1.9	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	K146	B	1	67	39.3	37.5	1.8	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK1	C	1	67	64.8	52.1	12.7	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK2	C	1	67	64.1	51.5	12.6	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK3	C	1	67	63.9	52.4	11.5	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK4	C	1	67	64	63.9	0.1	0	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK5	C	1	67	64	51.3	12.7	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK6	C	1	67	64.2	51.6	12.6	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK7	C	1	67	64.2	51.4	12.8	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
Wall TKb	TK8	C	1	67	63.9	51.3	12.6	1	17	Yes	Yes	10	1960	19600	705600	41505.88235	Propose to Construct
										8ft height							
Wall TKb	K1	B	1	67	60	58.8	1.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K2	B	1	67	57.9	50.4	7.5	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K3	B	1	67	52.3	48.8	3.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K4	B	1	67	54.6	50.8	3.8	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K5	B	1	67	54.8	50.6	4.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K6	B	1	67	50.4	47.5	2.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K7	B	1	67	52.1	48.9	3.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K8	B	1	67	49.6	47.5	2.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K9	B	1	67	60.6	56.7	3.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K10	B	1	67	52.3	47.2	5.1	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K11	B	1	67	60.4	53.3	7.1	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K12	G	1	67	58.6	51.1	7.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K13	B	1	67	58.8	51.2	7.6	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K14	B	1	67	58.7	51.2	7.5	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K15	B	1	67	58.8	51.2	7.6	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K16	B	1	67	58.5	51	7.5	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K17	B	1	67	57.8	51.1	6.7	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K18	B	1	67	54.9	51.4	3.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K19	B	1	67	55	51.5	3.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K20	B	1	67	52.2	48.8	3.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K21	B	1	67	62	61.6	0.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K22	B	1	67	61.1	60.8	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K23	B	1	67	44.4	44.3	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K24	B	1	67	41.2	41.1	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K25	B	1	67	44.9	43.9	1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K26	B	1	67	44.8	43.3	1.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K27	B	1	67	46.9	45.5	1.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K28	B	1	67	48.3	45.7	2.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K29	B	1	67	48.7	45.5	3.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K30	B	1	67	35.1	34.9	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K31	B	1	67	39.9	39.2	0.7	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K32	B	1	67	45.2	43.9	1.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K33	B	1	67	45.3	42.4	2.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K34	B	1	67	47.5	44.6	2.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K35	B	1	67	49.6	45.3	4.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K36	B	1	67	49.1	45.8	3.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K37	B	1	67	62.4	62.1	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K38	B	1	67	62.3	62	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K39	B	1	67	62.1	62	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K40	B	1	67	62.8	62.6	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K41	B	1	67	43.9	43.6	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K42	B	1	67	43.4	43.1	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K43	B	1	67	43.7	42.7	1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K44	B	1	67	46.5	45.3	1.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K45	B	1	67	44.5	43.7	0.8	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K46	B	1	67	46.9	44.9	2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K47	B	1	67	45.6	44.3	1.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K48	B	1	67	45.3	43.4	1.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K49	B	1	67	43.7	42.3	1.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K50	B	1	67	40.4	39.9	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K51	B	1	67	41.6	40.5	1.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K52	B	1	67	40.7	39.6	1.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K53	B	1	67	44.4	41.3	3.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K54	B	1	67	41.2	38	3.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K55	B	1	67	39.9	38	1.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K56	B	1	67	41	38.9	2.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K57	B	1	67	48	43.6	4.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K58	B	1	67	45.9	41.9	4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K59	B	1	67	46.4	42.1	4.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K60	B	1	67	46.5	41.9	4.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K61	B	1	67	45.9	41.7	4.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K62	B	1	67	63.2	62.2	1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K63	B	1	67	63.2	62.2	1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K64	B	1	67	63.1	62.2	0.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K65	B	1	67	63.1	62.1	1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K66	B	1	67	63	62.2	0.8	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K67	B	1	67	63	62.1	0.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K68	B	1	67	61.4	61.4	0	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K69	B	1	67	62	61.6	0.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K70	B	1	67	59.5	59.4	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K71	B	1	67	60.3	60.4	-0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K72	B	1	67	43.3	43.1	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K73	B	1	67	43	42.5	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K74	B	1	67	43.1	42.7	0.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K75	B	1	67	44.1	43.8	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K76	B	1	67	46	45.8	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K77	B	1	67	49.1	49.1	0	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K78	B	1	67	43.2	43	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K79	B	1	67	43.9	43.7	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K80	B	1	67	44.1	43.9	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K81	B	1	67	45	44.9	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K82	B	1	67	45.8	45.7	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K83	B	1	67	49.4	49.3	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K84	B	1	67	42.5	41.8	0.7	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K85	B	1	67	42.8	42.3	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K86	B	1	67	42.8	42.4	0.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K87	B	1	67	43	42.7	0.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K88	B	1	67	44.1	43.9	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K89	B	1	67	46.5	46.4	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K90	B	1	67	43.7	43.2	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K91	B	1	67	44.7	44.5	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K92	B	1	67	46.7	46.6	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K93	B	1	67	45	44.9	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K94	B	1	67	45.4	45.3	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K95	B	1	67	47.9	47.9	0	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K96	B	1	67	44.9	43.5	1.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K97	B	1	67	44.4	43.5	0.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K98	B	1	67	44.1	43.7	0.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K99	B	1	67	44.3	44.1	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K100	B	1	67	45.5	45.3	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K101	B	1	67	50.7	50.7	0	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K102	B	1	67	43.3	41.8	1.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K103	B	1	67	43	41.8	1.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K104	B	1	67	42.7	41.9	0.8	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K105	B	1	67	43.2	42.7	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K106	B	1	67	44.8	44.6	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K107	B	1	67	49	48.9	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K108	B	1	67	40	38.9	1.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K109	B	1	67	40	39	1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K110	B	1	67	39.7	39.1	0.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K111	B	1	67	40.6	40.1	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K112	B	1	67	42.9	42.7	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K113	B	1	67	49.3	49.2	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K114	B	1	67	39.8	38.6	1.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K115	B	1	67	40.1	39.2	0.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K116	B	1	67	40.6	40	0.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K117	B	1	67	42.4	41.9	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K118	B	1	67	44.8	44.7	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K119	B	1	67	48.8	48.8	0	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K120	B	1	67	41.1	39.2	1.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K121	B	1	67	41.4	39.8	1.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K122	B	1	67	41.5	40.1	1.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K123	B	1	67	41.5	40.6	0.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K124	B	1	67	42.5	41.9	0.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K125	B	1	67	46.4	46.2	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K126	B	1	67	41.6	40.5	1.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K127	B	1	67	41.9	40.1	1.8	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K128	B	1	67	40.4	39.2	1.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K129	B	1	67	41.1	40.2	0.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K130	B	1	67	43.3	42.9	0.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K131	B	1	67	47.5	47.3	0.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K132	B	1	67	44.3	40.8	3.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K133	B	1	67	43.1	39.9	3.2	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K134	B	1	67	41.4	38.5	2.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K135	B	1	67	41.8	39.7	2.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K136	B	1	67	41.9	40.5	1.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K137	B	1	67	45.2	44.7	0.5	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K138	B	1	67	44.2	40.3	3.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K139	B	1	67	42	38.6	3.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K140	B	1	67	41.2	38.8	2.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K141	B	1	67	41.5	40.1	1.4	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K142	B	1	67	43.8	43.2	0.6	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K143	B	1	67	43	39.7	3.3	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K144	B	1	67	40.3	38.2	2.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K145	B	1	67	39.7	37.8	1.9	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	K146	B	1	67	39.3	37.5	1.8	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK1	C	1	67	64.8	54	10.8	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK2	C	1	67	64.1	53.6	10.5	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK3	C	1	67	63.9	54.2	9.7	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK4	C	1	67	64	63.9	0.1	0	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK5	C	1	67	64	53.7	10.3	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK6	C	1	67	64.2	53.9	10.3	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK7	C	1	67	64.2	53.8	10.4	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
Wall TKb	TK8	C	1	67	63.9	53.5	10.4	1	16	Yes	Yes	8	1960	15680	564480	35280	Propose to Construct
6ft height																	
Wall TKb	K1	B	1	67	60	58.9	1.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K2	B	1	67	57.9	51.5	6.4	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K3	B	1	67	52.3	49.5	2.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal

													Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K4	B	1	67	54.6	51.5	3.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K5	B	1	67	54.8	51.4	3.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K6	B	1	67	50.4	47.9	2.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K7	B	1	67	52.1	49.3	2.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K8	B	1	67	49.6	47.8	1.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K9	B	1	67	60.6	57	3.6	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K10	B	1	67	52.3	47.5	4.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K11	B	1	67	60.4	53.9	6.5	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K12	G	1	67	58.6	51.8	6.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K13	B	1	67	58.8	51.9	6.9	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K14	B	1	67	58.7	51.9	6.8	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K15	B	1	67	58.8	52	6.8	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K16	B	1	67	58.5	51.7	6.8	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K17	B	1	67	57.8	52.1	5.7	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K18	B	1	67	54.9	52.4	2.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K19	B	1	67	55	52.5	2.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K20	B	1	67	52.2	49	3.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K21	B	1	67	62	61.6	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K22	B	1	67	61.1	60.8	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K23	B	1	67	44.4	44.3	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K24	B	1	67	41.2	41.2	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K25	B	1	67	44.9	44.1	0.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K26	B	1	67	44.8	43.3	1.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K27	B	1	67	46.9	45.7	1.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K28	B	1	67	48.3	45.8	2.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K29	B	1	67	48.7	45.7	3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K30	B	1	67	35.1	35	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K31	B	1	67	39.9	39.3	0.6	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K32	B	1	67	45.2	44	1.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K33	B	1	67	45.3	42.6	2.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K34	B	1	67	47.5	44.8	2.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K35	B	1	67	49.6	45.5	4.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K36	B	1	67	49.1	45.8	3.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K37	B	1	67	62.4	62.1	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K38	B	1	67	62.3	62	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K39	B	1	67	62.1	62	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K40	B	1	67	62.8	62.6	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K41	B	1	67	43.9	43.7	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K42	B	1	67	43.4	43.1	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K43	B	1	67	43.7	42.8	0.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K44	B	1	67	46.5	45.4	1.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K45	B	1	67	44.5	43.8	0.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K46	B	1	67	46.9	45	1.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K47	B	1	67	45.6	44.4	1.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K48	B	1	67	45.3	43.5	1.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K49	B	1	67	43.7	42.4	1.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K50	B	1	67	40.4	39.9	0.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K51	B	1	67	41.6	40.6	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K52	B	1	67	40.7	39.7	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K53	B	1	67	44.4	41.5	2.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K54	B	1	67	41.2	38.1	3.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K55	B	1	67	39.9	38.1	1.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K56	B	1	67	41	39	2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K57	B	1	67	48	43.7	4.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K58	B	1	67	45.9	42	3.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K59	B	1	67	46.4	42.3	4.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K60	B	1	67	46.5	42.1	4.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K61	B	1	67	45.9	41.8	4.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K62	B	1	67	63.2	62.2	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K63	B	1	67	63.2	62.2	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K64	B	1	67	63.1	62.2	0.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K65	B	1	67	63.1	62.1	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K66	B	1	67	63	62.2	0.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K67	B	1	67	63	62.1	0.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K68	B	1	67	61.4	61.4	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K69	B	1	67	62	61.6	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal

													Noise Level Comparison			
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K70	B	1	67	59.5	59.4	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K71	B	1	67	60.3	60.4	-0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K72	B	1	67	43.3	43.1	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K73	B	1	67	43	42.6	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K74	B	1	67	43.1	42.8	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K75	B	1	67	44.1	43.9	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K76	B	1	67	46	45.8	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K77	B	1	67	49.1	49.1	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K78	B	1	67	43.2	43	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K79	B	1	67	43.9	43.7	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K80	B	1	67	44.1	44	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K81	B	1	67	45	44.9	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K82	B	1	67	45.8	45.8	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K83	B	1	67	49.4	49.4	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K84	B	1	67	42.5	41.9	0.6	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K85	B	1	67	42.8	42.4	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K86	B	1	67	42.8	42.5	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K87	B	1	67	43	42.8	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K88	B	1	67	44.1	43.9	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K89	B	1	67	46.5	46.4	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K90	B	1	67	43.7	43.2	0.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K91	B	1	67	44.7	44.5	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K92	B	1	67	46.7	46.6	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K93	B	1	67	45	44.9	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K94	B	1	67	45.4	45.3	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K95	B	1	67	47.9	47.9	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K96	B	1	67	44.9	43.6	1.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K97	B	1	67	44.4	43.5	0.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K98	B	1	67	44.1	43.8	0.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K99	B	1	67	44.3	44.1	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K100	B	1	67	45.5	45.3	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K101	B	1	67	50.7	50.7	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K102	B	1	67	43.3	41.9	1.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K103	B	1	67	43	42	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K104	B	1	67	42.7	42	0.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K105	B	1	67	43.2	42.8	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K106	B	1	67	44.8	44.6	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K107	B	1	67	49	48.9	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K108	B	1	67	40	39.1	0.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K109	B	1	67	40	39.1	0.9	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K110	B	1	67	39.7	39.1	0.6	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K111	B	1	67	40.6	40.2	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K112	B	1	67	42.9	42.7	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K113	B	1	67	49.3	49.2	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K114	B	1	67	39.8	38.8	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K115	B	1	67	40.1	39.3	0.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K116	B	1	67	40.6	40.1	0.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K117	B	1	67	42.4	41.9	0.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K118	B	1	67	44.8	44.7	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K119	B	1	67	48.8	48.8	0	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K120	B	1	67	41.1	39.4	1.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K121	B	1	67	41.4	39.9	1.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K122	B	1	67	41.5	40.2	1.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K123	B	1	67	41.5	40.7	0.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K124	B	1	67	42.5	42	0.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K125	B	1	67	46.4	46.2	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K126	B	1	67	41.6	40.6	1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K127	B	1	67	41.9	40.2	1.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K128	B	1	67	40.4	39.3	1.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K129	B	1	67	41.1	40.3	0.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K130	B	1	67	43.3	42.9	0.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K131	B	1	67	47.5	47.3	0.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K132	B	1	67	44.3	40.9	3.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K133	B	1	67	43.1	40	3.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K134	B	1	67	41.4	38.6	2.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K135	B	1	67	41.8	39.7	2.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall TKb	K136	B	1	67	41.9	40.5	1.4	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K137	B	1	67	45.2	44.7	0.5	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K138	B	1	67	44.2	40.4	3.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K139	B	1	67	42	38.7	3.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K140	B	1	67	41.2	38.9	2.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K141	B	1	67	41.5	40.2	1.3	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K142	B	1	67	43.8	43.2	0.6	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K143	B	1	67	43	39.8	3.2	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K144	B	1	67	40.3	38.2	2.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K145	B	1	67	39.7	37.9	1.8	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	K146	B	1	67	39.3	37.6	1.7	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK1	C	1	67	64.8	64.2	0.6	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK2	C	1	67	64.1	57.4	6.7	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK3	C	1	67	63.9	57.1	6.8	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK4	C	1	67	64	63.9	0.1	0	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK5	C	1	67	64	57.8	6.2	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK6	C	1	67	64.2	57.7	6.5	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK7	C	1	67	64.2	57.8	6.4	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal
Wall TKb	TK8	C	1	67	63.9	57.7	6.2	1	14	Yes	No	6	1960	11760	423360	N/A	Does Not Meet Noise Reduction Design Goal

Table B-22: Wall I1 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
20ft height																	
Wall I1	I5	G	1	-	47.2	47	0.2	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.7	0.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I10	G	14	-	55.4	44.3	11.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I11	B	1	67	54.8	43.2	11.6	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I12	B	1	67	55.7	43.7	12	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I13	B	1	67	54	44.6	9.4	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I14	B	1	67	50.1	41.4	8.7	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I15	B	1	67	43.5	38.1	5.4	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I16	G	9	-	48.9	46.8	2.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I17	B	1	67	47.9	42.2	5.7	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I18	B	1	67	48.1	42.6	5.5	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I19	G	1	-	49	44.5	4.5	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I20	B	1	67	46.2	41.1	5.1	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I21	G	8	-	46.5	44.7	1.8	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I22	B	1	67	45.3	40.7	4.6	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I23	B	1	67	44.3	39.5	4.8	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I24	B	1	67	43.3	39.6	3.7	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I25	G	1	-	43.8	41.4	2.4	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I26	B	1	67	51.5	40.8	10.7	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	35.9	0.9	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	34.5	0.9	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	33.3	1.2	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	34.3	1.2	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	39.9	2.7	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
15ft height																	
Wall I1	I5	G	1	-	47.2	47	0.2	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.8	0	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I10	G	14	-	55.4	45.2	10.2	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I11	B	1	67	54.8	44.5	10.3	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I12	B	1	67	55.7	45	10.7	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I13	B	1	67	54	45.5	8.5	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I14	B	1	67	50.1	42.4	7.7	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I15	B	1	67	43.5	38.8	4.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall I1	I16	G	9	-	48.9	47	1.9	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I17	B	1	67	47.9	42.6	5.3	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I18	B	1	67	48.1	43	5.1	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I19	G	1	-	49	44.8	4.2	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I20	B	1	67	46.2	41.5	4.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I21	G	8	-	46.5	44.8	1.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I22	B	1	67	45.3	41	4.3	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I23	B	1	67	44.3	39.9	4.4	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I24	B	1	67	43.3	40	3.3	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I25	G	1	-	43.8	41.7	2.1	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I26	B	1	67	51.5	42.5	9	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	36	0.8	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	34.7	0.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	33.6	0.9	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	34.6	0.9	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	40.3	2.3	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
10ft height																	
Wall I1	I5	G	1	-	47.2	47.1	0.1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.8	0	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I10	G	14	-	55.4	46.8	8.6	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I11	B	1	67	54.8	46.5	8.3	1	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I12	B	1	67	55.7	47	8.7	1	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I13	B	1	67	54	47.5	6.5	1	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I14	B	1	67	50.1	46.5	3.6	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I15	B	1	67	43.5	41.6	1.9	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I16	G	9	-	48.9	47.6	1.3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I17	B	1	67	47.9	44.9	3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I18	B	1	67	48.1	45.1	3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I19	G	1	-	49	46.3	2.7	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I20	B	1	67	46.2	44	2.2	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I21	G	8	-	46.5	45.5	1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I22	B	1	67	45.3	43.1	2.2	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I23	B	1	67	44.3	42.3	2	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I24	B	1	67	43.3	41.8	1.5	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I25	G	1	-	43.8	43	0.8	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I26	B	1	67	51.5	47.1	4.4	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	36.4	0.4	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	35.1	0.3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	34.1	0.4	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	35.2	0.3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	41.7	0.9	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
8ft height																	
Wall I1	I5	G	1	-	47.2	47.1	0.1	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.8	0	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I10	G	14	-	55.4	47.5	7.9	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I11	B	1	67	54.8	47.6	7.2	1	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I12	B	1	67	55.7	48.1	7.6	1	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I13	B	1	67	54	49.7	4.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I14	B	1	67	50.1	46.7	3.4	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I15	B	1	67	43.5	41.8	1.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I16	G	9	-	48.9	47.7	1.2	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I17	B	1	67	47.9	45.2	2.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I18	B	1	67	48.1	45.4	2.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I19	G	1	-	49	46.6	2.4	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I20	B	1	67	46.2	44.3	1.9	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I21	G	8	-	46.5	45.6	0.9	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I22	B	1	67	45.3	43.3	2	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I23	B	1	67	44.3	42.5	1.8	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I24	B	1	67	43.3	42	1.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I25	G	1	-	43.8	43.2	0.6	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall I1	I26	B	1	67	51.5	47.8	3.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	36.5	0.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	35.2	0.2	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	34.2	0.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	35.2	0.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	41.8	0.8	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
										6ft height							
Wall I1	I5	G	1	-	47.2	47.1	0.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I8	G	1	-	56.2	56.2	0	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I9	G	10	-	56.8	56.8	0	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I10	G	14	-	55.4	48.6	6.8	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I11	B	1	67	54.8	49	5.8	1	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I12	B	1	67	55.7	49.4	6.3	1	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I13	B	1	67	54	50	4	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I14	B	1	67	50.1	47.1	3	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I15	B	1	67	43.5	41.9	1.6	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I16	G	9	-	48.9	47.8	1.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I17	B	1	67	47.9	45.5	2.4	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I18	B	1	67	48.1	45.6	2.5	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I19	G	1	-	49	46.8	2.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I20	B	1	67	46.2	44.5	1.7	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I21	G	8	-	46.5	45.6	0.9	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I22	B	1	67	45.3	43.5	1.8	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I23	B	1	67	44.3	42.7	1.6	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I24	B	1	67	43.3	42.2	1.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I25	G	1	-	43.8	43.3	0.5	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I26	B	1	67	51.5	49	2.5	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA1	C	1	67	36.8	36.5	0.3	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA2	C	1	67	35.4	35.2	0.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA3	C	1	67	34.5	34.3	0.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA4	C	1	67	35.5	35.3	0.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA5	C	1	67	42.6	41.9	0.7	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal

Table B-23: Wall I2 - Summary

Noise Barrier	Receptor	Activity Category	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Benefited Receptors	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Criteria	Build Year 2040 No Noise Barrier	Build Year 2040 With Noise Barrier											
All Wall I2										20ft height			All 1120		$806,400	$89,600	
Wall I1	I5	G	1	-	47.2	47	0.2	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.7	0.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I10	G	14	-	55.4	44.3	11.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I11	B	1	67	54.8	43.2	11.6	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I12	B	1	67	55.7	43.7	12	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I13	B	1	67	54	44.6	9.4	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I14	B	1	67	50.1	41.4	8.7	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I15	B	1	67	43.5	38.1	5.4	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I16	G	9	-	48.9	46.8	2.1	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I17	B	1	67	47.9	42.2	5.7	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I18	B	1	67	48.1	42.6	5.5	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I19	G	1	-	49	44.5	4.5	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I20	B	1	67	46.2	41.1	5.1	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I21	G	8	-	46.5	44.7	1.8	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I22	B	1	67	45.3	40.7	4.6	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I23	B	1	67	44.3	39.5	4.8	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I24	B	1	67	43.3	39.6	3.7	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I25	G	1	-	43.8	41.4	2.4	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	I26	B	1	67	51.5	40.8	10.7	1	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	35.9	0.9	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	34.5	0.9	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective

													Noise Level Comparison				
													XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
Wall I1	IA3	C	1	67	34.5	33.3	1.2	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	34.3	1.2	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	39.9	2.7	0	9	Yes	Yes	20	1460	29200	1051200	116800	Not Cost Effective
										15ft height					$604,800	$86,400	
Wall I1	I5	G	1	-	47.2	47	0.2	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.8	0	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I10	G	14	-	55.4	45.2	10.2	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I11	B	1	67	54.8	44.5	10.3	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I12	B	1	67	55.7	45	10.7	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I13	B	1	67	54	45.5	8.5	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I14	B	1	67	50.1	42.4	7.7	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I15	B	1	67	43.5	38.8	4.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I16	G	9	-	48.9	47	1.9	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I17	B	1	67	47.9	42.6	5.3	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I18	B	1	67	48.1	43	5.1	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I19	G	1	-	49	44.8	4.2	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I20	B	1	67	46.2	41.5	4.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I21	G	8	-	46.5	44.8	1.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I22	B	1	67	45.3	41	4.3	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I23	B	1	67	44.3	39.9	4.4	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I24	B	1	67	43.3	40	3.3	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I25	G	1	-	43.8	41.7	2.1	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	I26	B	1	67	51.5	42.5	9	1	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	36	0.8	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	34.7	0.7	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	33.6	0.9	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	34.6	0.9	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	40.3	2.3	0	7	Yes	Yes	15	1460	21900	788400	112628.5714	Not Cost Effective
										10ft height					$403,200	$134,400	
Wall I1	I5	G	1	-	47.2	47.1	0.1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.8	0	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I10	G	14	-	55.4	46.8	8.6	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I11	B	1	67	54.8	46.5	8.3	1	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I12	B	1	67	55.7	47	8.7	1	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I13	B	1	67	54	47.5	6.5	1	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I14	B	1	67	50.1	46.5	3.6	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I15	B	1	67	43.5	41.6	1.9	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I16	G	9	-	48.9	47.6	1.3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I17	B	1	67	47.9	44.9	3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I18	B	1	67	48.1	45.1	3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I19	G	1	-	49	46.3	2.7	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I20	B	1	67	46.2	44	2.2	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I21	G	8	-	46.5	45.5	1	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I22	B	1	67	45.3	43.1	2.2	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I23	B	1	67	44.3	42.3	2	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I24	B	1	67	43.3	41.8	1.5	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I25	G	1	-	43.8	43	0.8	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	I26	B	1	67	51.5	47.1	4.4	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	36.4	0.4	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	35.1	0.3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	34.1	0.4	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	35.2	0.3	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	41.7	0.9	0	3	Yes	Yes	10	1460	14600	525600	175200	Not Cost Effective

														Noise Level Comparison		
												XX	Approaches or Exceeds FHWA Noise Abatement Criteria			
8ft height														$322,560	$161,280	
Wall I1	I5	G	1	-	47.2	47.1	0.1	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I8	G	1	-	56.2	56.2	0	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I9	G	10	-	56.8	56.8	0	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I10	G	14	-	55.4	47.5	7.9	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I11	B	1	67	54.8	47.6	7.2	1	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I12	B	1	67	55.7	48.1	7.6	1	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I13	B	1	67	54	49.7	4.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I14	B	1	67	50.1	46.7	3.4	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I15	B	1	67	43.5	41.8	1.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I16	G	9	-	48.9	47.7	1.2	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I17	B	1	67	47.9	45.2	2.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I18	B	1	67	48.1	45.4	2.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I19	G	1	-	49	46.6	2.4	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I20	B	1	67	46.2	44.3	1.9	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I21	G	8	-	46.5	45.6	0.9	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I22	B	1	67	45.3	43.3	2	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I23	B	1	67	44.3	42.5	1.8	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I24	B	1	67	43.3	42	1.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I25	G	1	-	43.8	43.2	0.6	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	I26	B	1	67	51.5	47.8	3.7	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA1	C	1	67	36.8	36.5	0.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA2	C	1	67	35.4	35.2	0.2	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA3	C	1	67	34.5	34.2	0.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA4	C	1	67	35.5	35.2	0.3	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
Wall I1	IA5	C	1	67	42.6	41.8	0.8	0	2	Yes	Yes	8	1460	11680	420480	210240	Not Cost Effective
6ft height														$241,920		
Wall I1	I5	G	1	-	47.2	47.1	0.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I6	G	1	-	48.9	48.8	0.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I7	G	3	-	50.9	50.8	0.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I8	G	1	-	56.2	56.2	0	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I9	G	10	-	56.8	56.8	0	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I10	G	14	-	55.4	48.6	6.8	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I11	B	1	67	54.8	49	5.8	1	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I12	B	1	67	55.7	49.4	6.3	1	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I13	B	1	67	54	50	4	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I14	B	1	67	50.1	47.1	3	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I15	B	1	67	43.5	41.9	1.6	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I16	G	9	-	48.9	47.8	1.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I17	B	1	67	47.9	45.5	2.4	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I18	B	1	67	48.1	45.6	2.5	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I19	G	1	-	49	46.8	2.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I20	B	1	67	46.2	44.5	1.7	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I21	G	8	-	46.5	45.6	0.9	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I22	B	1	67	45.3	43.5	1.8	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I23	B	1	67	44.3	42.7	1.6	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I24	B	1	67	43.3	42.2	1.1	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I25	G	1	-	43.8	43.3	0.5	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	I26	B	1	67	51.5	49	2.5	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA1	C	1	67	36.8	36.5	0.3	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA2	C	1	67	35.4	35.2	0.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA3	C	1	67	34.5	34.3	0.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA4	C	1	67	35.5	35.3	0.2	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal
Wall I1	IA5	C	1	67	42.6	41.9	0.7	0	2	Yes	No	6	1460	8760	315360	N/A	Does Not Meet Noise Reduction Design Goal

APPENDIX C – NOISE STUDY FIELD MEASUREMENTS

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings

Time:	**Fast**	Slow	Name:	MP01
Weighting:	Lin.	**A**	Date:	10/10/2023
Mic. Setting:	Fr.	**Rnd**	Project Name:	East Side Corridor
			Project Number:	

Sound Level Meter (SLM)

Manufacturer	Casella
Model	CEL-633
Serial No.	1239532
Microphone	CEL-251

Calibrator

Manufacturer	Casella
Model	CEL Acousti Calibratory Type 1
Serial No.	966247
Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration	114.9 dB	Time	
Final Calibration	114 dB	Time	

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 425723.4755 Y = 184712.5089

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION

Test Number	1	2	3	4	
Date	10/10/2023				
Start Time	2:07:00 PM				
End Time	2:30 PM				
Elapsed Time	23 MIN				
Weather	9				
Temp (^{o}F)	55				
Rel. Humidity (%)	43				
Wind (mph)	9				
Wind direction	SE				
Road conditions	Low Traffic	`			

TRAFFIC

Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)

Test Number	1	2	3	4	
L10	51.5				
L90	39.0				
Leq	63.7				

(1) Several loud trucks near monitor location. SE 18TH ST CLOSED - no thru traffic. Light construction work >500' away. Highway >10

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings

Time:	**Fast**	Slow	Name:	MP02
Weighting:	Lin.	**A**	Date:	10/11/2023
Mic. Setting:	Fr.	**Rnd**	Project Name:	East Side Corridor
			Project Number:	

Sound Level Meter (SLM)

Manufacturer	Casella
Model	CEL-633
Serial No.	1239532
Microphone	CEL-251

Calibrator

Manufacturer	Casella
Model	CEL Acousti Calibratory Type 1
Serial No.	966247
Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration		Time	10:27 AM
Final Calibration		Time	10:27 AM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 431491.0739 Y = 184657.8042

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION

Test Number	1	2	3	4	
Date					
Start Time	10:48:00 AM				
End Time					
Elapsed Time	10 MIN				
Weather	Sunny, no clouds, low wind				
Temp (^{o}F)	53				
Rel. Humidity (%)	43				
Wind (mph)	7				
Wind direction	NW				
Road conditions	Low traffic				

TRAFFIC

Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)

Test Number	1	2	3	4	
L10	51.5				
L90	38.5				
Leq	53.4				

Loud birds near monitor equipment mid way through monitor duration. SE 18th St closed at Bixby Ave - No thru traffic. Did 10 min

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings

Time:	**Fast**	Slow	Name:	MP03
Weighting:	Lin.	**A**	Date:	10/11/2023
Mic. Setting:	Fr.	**Rnd**	Project Name:	East Side Corridor
			Project Number:	

Sound Level Meter (SLM)

Manufacturer	Casella
Model	CEL-633
Serial No.	1239532
Microphone	CEL-251

Calibrator

Manufacturer	Casella
Model	CEL Acousti Calibratory Type 1
Serial No.	966247
Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration		Time	10:27 AM
Final Calibration		Time	10:27 AM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 430125.1826 Y = 190032.1653

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION

Test Number	1	2	3	4	
Date					
Start Time	11:55:00 AM				
End Time					
Elapsed Time	10 min				
Weather					
Temp (^{o}F)	57				
Rel. Humidity (%)	34				
Wind (mph)	7				
Wind direction	nw				
Road conditions		`			

TRAFFIC

Test Number	1	2	3	4	
Autos	1				
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)

Test Number	1	2	3	4	
L10	45.5				
L90	39.0				
Leq	43.2				

No traffic during moniotring. Road closed to through traffic. Did 10 min run based on no ambient noise source (no traffic near monitc

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings

Time:	**Fast**	Slow	Name:	MP04
Weighting:	Lin.	**A**	Date:	10/10/2023
Mic. Setting:	Fr.	**Rnd**	Project Name:	East Side Corridor
			Project Number:	

Sound Level Meter (SLM)

Manufacturer	Casella
Model	CEL-633
Serial No.	1239532
Microphone	CEL-251

Calibrator

Manufacturer	Casella
Model	CEL Acousti Calibratory Type 1
Serial No.	966247
Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration	93.3	Time	1:48 PM
Final Calibration	94	Time	1:48 PM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 430416.2835 Y = 193803.9588

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION

Test Number	1	2	3	4	
Date	10/10/2023				
Start Time	3:18:00 PM	3:25 PM			
End Time					
Elapsed Time	7 min	12 min			
Weather	9				
Temp (^{o}F)	55				
Rel. Humidity (%)	43				
Wind (mph)	9				
Wind direction	SE				
Road conditions	Low Traffic	`			

TRAFFIC

Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)

Test Number	1 (1)	2	3	4	
L10	48	44.0			
L90	31.5	31.0			
Leq	49.4	47.8			

(1) First run, stopped based on a resident coming to talk. Second run, stopped based on adjacent barking dog.

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP05
Time:	**Fast**	Slow	Date:	10/10/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**		
Manufacturer	Casella	Manufacturer	Casella	
Model	CEL-633	Model	CEL Acousti Calibratory Type 1	
Serial No.	1239532	Serial No.	966247	
Microphone	CEL-251	Calibrator Frequency (Hz)		1,000

Calibration

Initial Calibration	93.3	Time	1:48 PM
Final Calibration	94	Time	1:48 PM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 430404.553 Y = 194516.5957

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date	10/10/2023				
Start Time	2:53:00 PM				
End Time					
Elapsed Time	15min				
Weather	9				
Temp (^{o}F)	55				
Rel. Humidity (%)	43				
Wind (mph)	9				
Wind direction	SE				
Road conditions	Low Traffic	`			

TRAFFIC					
Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	38.5				
L90	30.0				
Leq	39.4				

(1) No noise. Placed on one house south of original MP05 location. Stopped run due to barking dog (~30 sec).

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings

Time:	**Fast**	Slow	
Weighting:	Lin.	**A**	
Mic. Setting:	Fr.	**Rnd**	

Name:	MP06A
Date:	10/10/2023
Project Name:	East Side Corridor
Project Number:	

Sound Level Meter (SLM)

Manufacturer	Casella
Model	CEL-633
Serial No.	1239532
Microphone	CEL-251

Calibrator

Manufacturer	Casella
Model	CEL Acousti Calibratory Type 1
Serial No.	966247
Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration	93.3	Time	1:48 PM
Final Calibration	94	Time	1:48 PM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 430668.512 Y = 198089.096

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION

Test Number	1	2	3	4	
Date	10/10/2023				
Start Time	4:03:00 PM				
End Time	21 min				
Elapsed Time					
Weather	9				
Temp (^{o}F)	55				
Rel. Humidity (%)	44				
Wind (mph)	8				
Wind direction	SE				
Road conditions	Low Traffic	`			

TRAFFIC

Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)

Test Number	1	2	3	4	
L10	51.0				
L90	36.0				
Leq	47.3				

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP07
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**		
Manufacturer	Casella	Manufacturer	Casella	
Model	CEL-633	Model	CEL Acousti Calibratory Type 1	
Serial No.	1239532	Serial No.	966247	
Microphone	CEL-251	Calibrator Frequency (Hz)		1,000

Calibration

Initial Calibration	95.2	Time	12:26 PM
Final Calibration	94	Time	12:26 PM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 431480.4608 Y = 200660.6487

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	12:25 PM				
End Time					
Elapsed Time	10 min				
Weather	SUNNY				
Temp (^{o}F)	59				
Rel. Humidity (%)					
Wind (mph)	7				
Wind direction					
Road conditions	Dead end, no thru traffic.				

TRAFFIC					
Test Number	1	2	3	4	
Autos	0				
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	44.0				
L90	41.5				
Leq	42.9				

Moved to parralel to farmyard residential receptor. Did 10 min run based on no ambient noise source (no traffic near monitor point

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP08
Time:	**Fast**	Slow	Date:	10/10/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**	
Manufacturer	Casella	Manufacturer	Casella
Model	CEL-633	Model	CEL Acousti Calibratory Type 1
Serial No.	1239532	Serial No.	966247
Microphone	CEL-251	Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration	93.3	Time	1:48 PM
Final Calibration	94	Time	1:48 PM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 429565.1867 Y = 200593.8499

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date	10/10/2023				
Start Time	4:33:00 PM				
End Time	21 min				
Elapsed Time					
Weather	9				
Temp (^{o}F)	55				
Rel. Humidity (%)	44				
Wind (mph)	8				
Wind direction	SE				
Road conditions	Low Traffic	`			

TRAFFIC					
Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	49.0				
L90	38.0				
Leq	45.7				

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP09
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**		
Manufacturer	Casella	Manufacturer	Casella	
Model	CEL-633	Model	CEL Acousti Calibratory Type 1	
Serial No.	1239532	Serial No.	966247	
Microphone	CEL-251	Calibrator Frequency (Hz)		1,000

Calibration

Initial Calibration	93.8	Time	1:22 PM
Final Calibration	94	Time	1:22 PM

Monitor Location and Terrain Conditions: GPS Coordinates: 1854 Evergreen Pl NE Backyard.

X= 428147.3918 Y = 200611.1828

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	1:24 PM				
End Time	1:44 PM				
Elapsed Time	20 MIN				
Weather	Sunny				
Temp (^{o}F)	61				
Rel. Humidity (%)	31				
Wind (mph)	8				
Wind direction	NW				
Road conditions	Low Traffic	`			

TRAFFIC					
Test Number	1	2	3	4	
Autos	3 ON EVERGREEN (15-20MPh)				
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	50.5				
L90	33.0				
Leq	48.4				

Dog barking for 5 sec at 1:27p. 4' Berm between resident backyard and 26th St. NE. Plane flying by at 1:31pm. Plane flew by at 1:40

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP11
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**	
Manufacturer	Casella	Manufacturer	Casella
Model	CEL-633	Model	CEL Acousti Calibratory Type 1
Serial No.	1239532	Serial No.	966247
Microphone	CEL-251	Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration	93.9	Time	1:53 PM
Final Calibration	94	Time	1:53 PM

Monitor Location and Terrain Conditions: GPS Coordinates: Mcklinley elementary school ball fields, near rafters (AFHU)

X= 424844.72 Y = 200565.85

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	1:55 PM				
End Time					
Elapsed Time	20 MIN				
Weather	Sunny				
Temp (^{o}F)	61				
Rel. Humidity (%)	35				
Wind (mph)	8				
Wind direction	NW				
Road conditions		`			

TRAFFIC					
Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	54.0				
L90	37.5				
Leq	52.2				

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP13
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**	
Manufacturer	Casella	Manufacturer	Casella
Model	CEL-633	Model	CEL Acousti Calibratory Type 1
Serial No.	1239532	Serial No.	966247
Microphone	CEL-251	Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration		Time	
Final Calibration		Time	

Monitor Location and Terrain Conditions: GPS Coordinates: Mcklinley elementary school ball fields, near rafters (AFHU)

X= 418068.9992 Y = 200598.5636

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	2:56 PM				
End Time	3:15 PM				
Elapsed Time	19 min				
Weather	Sunny				
Temp (^{o}F)	61				
Rel. Humidity (%)	35				
Wind (mph)	8				
Wind direction	NW				
Road conditions		`			

TRAFFIC					
Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	56.5				
L90	45.5				
Leq	55.1				

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP14
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**		
Manufacturer	Casella	Manufacturer	Casella	
Model	CEL-633	Model	CEL Acousti Calibratory Type 1	
Serial No.	1239532	Serial No.	966247	
Microphone	CEL-251	Calibrator Frequency (Hz)		1,000

Calibration

Initial Calibration	93.8	Time	12:42 PM
Final Calibration	94	Time	12:42 PM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 432634.6795 Y = 204460.9975

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	12:45 PM	12:58 PM			
End Time	12:57 PM	1:16 PM			
Elapsed Time	12 min	18 min			
Weather	Sunny				
Temp (^{o}F)	60	60			
Rel. Humidity (%)					
Wind (mph)	7				
Wind direction					
Road conditions	Dead end, no thru traffic.	、			

TRAFFIC					
Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10		48.5			
L90		29.5			
Leq	51.2	44.5			

(1) Plane flew by at 12:47 pm. Trash car pulled up at 12:55.

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP16
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**		
Manufacturer	Casella	Manufacturer	Casella	
Model	CEL-633	Model	CEL Acousti Calibratory Type 1	
Serial No.	1239532	Serial No.	966247	
Microphone	CEL-251	Calibrator Frequency (Hz)		1,000

Calibration

Initial Calibration	92.8	Time	10:27 AM
Final Calibration	94	Time	10:27 AM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 430058.6076 Y = 184792.5237

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	10:28:00 AM				
End Time					
Elapsed Time	11				
Weather					
Temp (^{o}F)					
Rel. Humidity (%)					
Wind (mph)					
Wind direction					
Road conditions		`			

TRAFFIC					
Test Number	1	2	3	4	
Autos	1				
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	49.0				
L90	44.5				
Leq	47.6				

Road closed to through traffic no traffic observed. Monitored to measure ambient sound. Did 11 min run based on no ambient nois

FIELD NOISE MEASUREMENT DATA SHEET

Sound Level Meter (SLM) Settings			Name:	MP17
Time:	**Fast**	Slow	Date:	10/11/2023
Weighting:	Lin.	**A**	Project Name:	East Side Corridor
Mic. Setting:	Fr.	**Rnd**	Project Number:	

Sound Level Meter (SLM)		**Calibrator**	
Manufacturer	Casella	Manufacturer	Casella
Model	CEL-633	Model	CEL Acousti Calibratory Type 1
Serial No.	1239532	Serial No.	966247
Microphone	CEL-251	Calibrator Frequency (Hz)	1,000

Calibration

Initial Calibration	92.8	Time	10:27 AM
Final Calibration	94	Time	10:27 AM

Monitor Location and Terrain Conditions: GPS Coordinates:

X= 429028.1908 Y = 188624.2191

Dominant and Observed Noise Sources:

MEASURMENT INFORMATION					
Test Number	1	2	3	4	
Date					
Start Time	11:06:00 AM				
End Time					
Elapsed Time	17				
Weather					
Temp (^{o}F)					
Rel. Humidity (%)					
Wind (mph)					
Wind direction					
Road conditions		`			

TRAFFIC					
Test Number	1	2	3	4	
Autos					
Med Trucks					
Heavy Trucks					
Buses					
Motorcycles					
Total					
Speed Limit					

MONITOR RESULTS (dBA)					
Test Number	1	2	3	4	
L10	50.0				
L90	40.0				
Leq	55.4				

Plane flying by at 11:17 AM. Ended moniter before 20 min based on residents talking nearby monitor equipment.

APPENDIX D – PROJECT LAYOUT

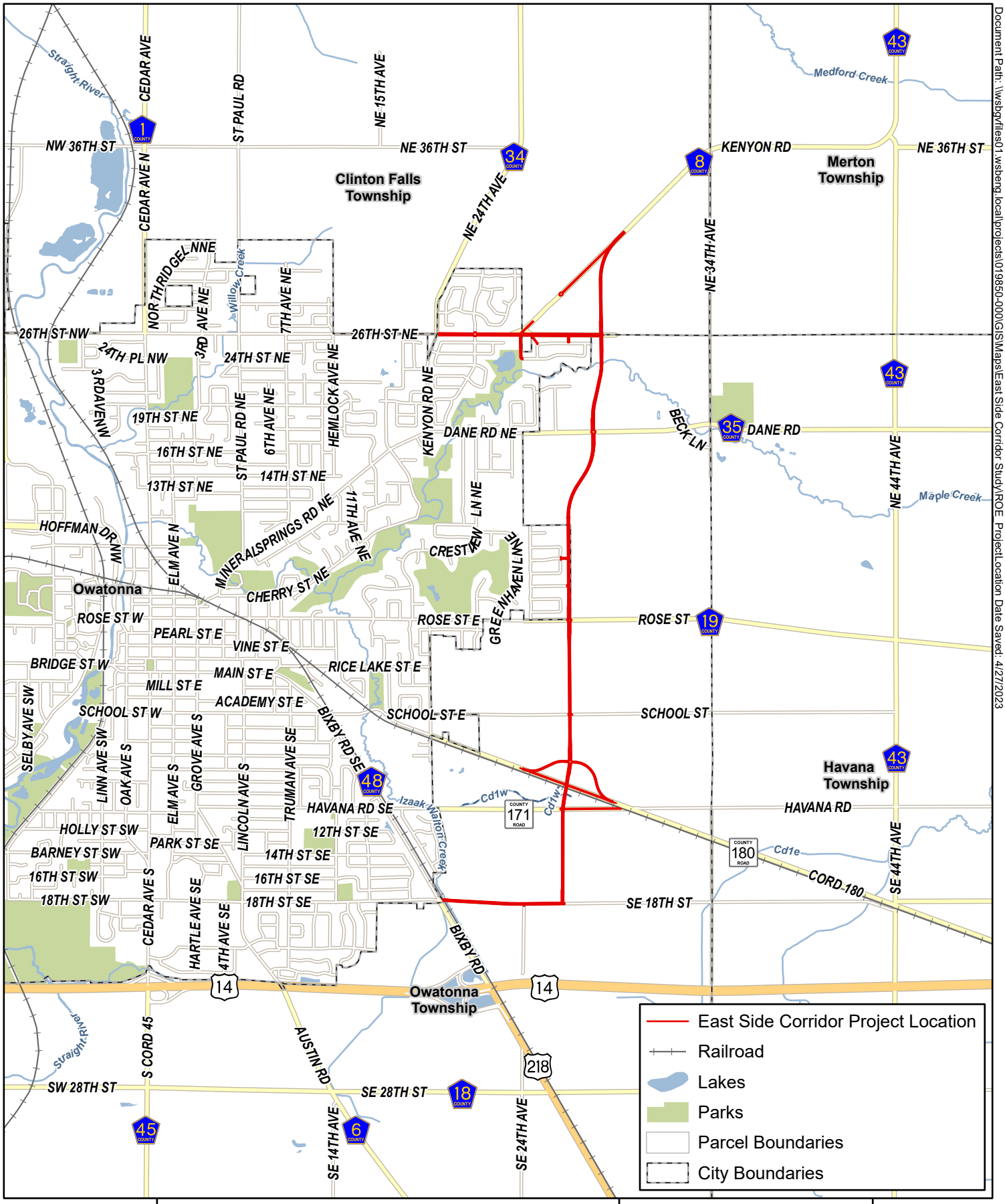

Figure 1 - Project Location

East Side Corridor Study
Steele County, Minnesota

N

0 3,600 Feet

1 inch = 3,600 Ft

wsb

Document Path: \\wsbgvfiles01.wsbeng.local\projects\019850-000\GIS\Maps\East Side Corridor Study\ROE ProjectLocation Date Saved: 4/27/2023

Gmail [redacted]

ESC Data Practices Requests / Status

Jarrett, Robert <Robert.Jarrett@steelecountymn.gov> Mon, Dec 8, 2025 at 4:07 PM
To: Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>, [redacted]
Cc: "Fry, Renae" <Renae.Fry@steelecountymn.gov>, "Housh, Campbell" <Campbell.Housh@steelecountymn.gov>

Dear Ms. Z[redacted] and Mr. S[redacted]

Thank you for your continued engagement regarding the East Side Corridor (ESC) data practices requests.

Re: Joint Transportation Committee

You are misinterpreting Minn. Stat. § 471.59. This statute does not require the county to enter into a joint exercise of powers; it allows the county to enter into agreements but does not require it to do so. Additionally, to my understanding, this committee exercises no authority or government powers. This committee has no formal agreement. It is no different than any other ad hoc committee. Therefore, the committee is not required and does not have minutes. While the Joint Transportation Committee is listed as a Joint Powers entity, Steele County is not the responsible authority for maintaining its records. We have confirmed that no records were created or received by the County in connection with this Committee. If records exist, they may be maintained by another participating entity. The County has not destroyed any such records, nor were any withheld.

Re: Noise Studies

Former county engineer Paul Sponholtz told us there were no formal noise studies. Regarding Ms. Fry's Testimony: Ms. Fry's statement during the ALJ proceeding accurately reflects the scope of the County's search. To the county's knowledge, Mr. Sponholz conducted a targeted search of the relevant drive where ESC-related project files are maintained. The county's position remains that no noise studies were conducted or received.

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Re :Commissioner Emails

Microsoft Purview now has an analytics tool that produced the attached summary for the "Commissioner ESC" data request. It includes a search of OneDrive as well as emails. As you can see, there are 5829 items, an unknown number of page(s) for each. I provided the columns FileClass, SubjectTitle, and Location. If you'd like to speed up the document request, I can certainly go through a specific item if you highlight them from this list. Otherwise, it is thousands of pages that likely contain irrelevant information but do fit your data request. **There are 336 items ready for review.** The estimated competition date is updated to January 2, 2026.

This and previously requested and responsive data remain available for viewing in accordance with Minn. Stat. § 13.03.

-

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Robert J. Jarrett

Data Practices Responsible Authority Steele County

Steele County Attorney

Direct: 507-444-7786

[Quoted text hidden]

Commissioner Emails ESC search results analytics summary.csv
1385K

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Request for EIS Due to Withheld Noise Study

1 message

[redacted] Sun, Dec 14, 2025 at 7:20 AM
To: "ronald.gaines@steelecountymn.gov" <ronald.gaines@steelecountymn.gov>
[redacted]

Dear Mr Gaines:
I want to follow up on our discussion at the Open House last Thursday night for the East Side Corridor.

I submit this comment to formally request preparation of an Environmental Impact Statement (EIS) for the East Side Corridor / 29th Avenue project.

A 143-page Traffic Noise Analysis Report prepared by WSB for Steele County, dated December 14, 2024, exists and was submitted to the State of Minnesota on behalf of Steele County. This report was not included in the Environmental Assessment Worksheet (EAW) materials provided for public review.

The omitted noise study documents significant impacts, including:

- 82 homes classified as substantially impacted, and
- 57 substantially impacted homes located in the North Country neighborhood.

The study further evaluates mitigation and concludes that a 20-foot noise wall is required to meet minimum noise reduction criteria. Even with mitigation, the report shows that many homes would continue to experience substantial and potentially life-altering noise impacts.

Because this noise analysis existed prior to publication of the EAW and was prepared for the project by the County's consultant, its exclusion prevented meaningful public participation and informed review of noise impacts, mitigation feasibility, and avoidance alternatives.

The omission of this study constitutes a material deficiency, not a technical oversight. Without disclosure of known, significant noise impacts and mitigation requirements, the EAW cannot support a lawful finding of no significant environmental impact.

Pursuant to Minn. R. ch. 4410, 23 CFR 772, MnDOT noise requirements, and Minn. R. ch. 7030, the documented scope and severity of noise impacts, combined with the incomplete disclosure in the EAW, require preparation of a full Environmental Impact Statement (EIS) to evaluate:
- the extent of noise impacts,
- avoidance alternatives,
- feasible and reasonable mitigation,
- and cumulative impacts to affected neighborhoods.
For these reasons, I respectfully request that an EIS be ordered for this project.

Respectfully Submitted,
S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Independent Environmental Impact Study Needed for ESC

1 message

[redacted] Sun, Dec 14, 2025 at 7:50 PM
To: "ronald.gaines@steelecountymn.gov" <ronald.gaines@steelecountymn.gov>
[redacted]

Dear Mr Gaines:

I am submitting this comment because the Environmental Assessment Worksheet (EAW) for the East Side Corridor fails to meet the basic requirements of transparency, completeness, and accuracy required under MEPA.

First, this project is clearly being advanced without adequate oversight. Decisions that materially affect cost, scope, impacts, and regulatory thresholds appear to have been made outside of public view and without full disclosure. Environmental review is not meant to follow decisions that have already been made — it is meant to inform them. That has not occurred here.

Second, the EAW relies on misrepresented and incomplete data. Key assumptions regarding traffic, impacts, and mitigation are contradicted by available records and prior studies, while other critical analyses are missing entirely. When residents have raised legitimate questions supported by data, the response has not been clarification — it has been revision, expansion, or omission. That is not a valid environmental process.

Third, residents are being asked to accept less than what the law requires. This includes being told to choose insufficient mitigation for impacts they did not create, despite the existence of federal regulations that provide stronger protections when impacts are significant. That is not a choice — it is coercion through incomplete disclosure.

Fourth, essential documents are missing or have not been made accessible to the public, including but not limited to:

- Area of Potential Effect (APE) maps
- 3B and all analysis
- Noise and impact studies relied upon or referenced
- Farmland impact evaluations
- Cumulative effects analysis
- Clear and complete financial disclosures showing the true cost of the project and its expansions

An environmental review cannot be considered valid when the public is asked to comment without access to the documents necessary to understand the project.

Finally, the scope of this project has expanded well beyond what was originally presented, driving up costs and impacts and pushing it into federal-undertaking territory — yet the review remains constrained to an EAW. If a project is too large for the state to manage without federal involvement, it is too large for an EAW.

Transparency is not expensive.
Noncompliance is.

For these reasons, I do not believe this EAW meets MEPA or NEPA standards. A full, **independent** Environmental Impact Statement (EIS) is required to properly evaluate impacts, disclose costs, restore public trust, and protect residents.

Respectfully Submitted,
S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor EAW - formal public comment

[redacted] Mon, Dec 15, 2025 at 10:32 PM
To: ronald.gaines@steelecountymn.gov

Hi Ron,

I appreciate your attention to the Owatonna ESC EAW. I am submitting this email as a **formal public comment** on the **Environmental Assessment Worksheet (EAW)** for **the East Side Corridor (ESC) project.**

The ESC project has been studied for three decades. In the past twenty years, Owatonna development extended further east.

- Did the City of Owatonna approve and permit homes within the North Country subdivision to be built on 50 feet of the 29th Ave right of way map in 2004 forward?
- Was 34th officially designated as option 1 and 44th as option 2 for the East Corridor on February 8, 2005?
- Was 29th removed from the Steele County Transportation Plan (2005-2025)?
- If 29th was removed as a viable option due to proximity to the North Country subdivision, why was it brought back when the 150' right of way no longer exists? And why was a current mapped right of way (34th or 44th) not studied?
- If 34th was a viable option back in 2005 and 2011, what study data has now made 34th no longer an option?

The impact of constructing the ESC on the proposed 29th route has not considered the most logical routes previously studied (specifically 34th), therefore **a full Environmental Impact Statement (EIS)** is requested.

Thank you,

S[redacted] W[redacted]

Owatonna East Side Corridor Resident

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor EAW - formal public comment

[redacted] Mon, Dec 15, 2025 at 10:32 PM
To: ronald.gaines@steelecountymn.gov

Hi Ron,

I appreciate your attention to the Owatonna ESC EAW. I am submitting this email as a **formal public comment** on the **Environmental Assessment Worksheet (EAW)** for **the East Side Corridor (ESC) project.**

The proposed route on 29th Ave is creating a dangerous situation for young children and vulnerable adults who live in the North Country development. Those at greatest risk have back yards that will be adjacent to the mapped area for a new highway.

- What is the recommended distance between an existing neighborhood and a new highway (there is ample space to the east)?
- Why is resident safety and the risk of human death and serious injury due to proximity to a highway not addressed in the EAW?

The evident risk of human death and serious injury is not addressed at all in the EAW for the proposed 29th route. Since human safety (for drivers, pedestrians, surrounding residents, etc.) should be a significant concern for any new highway project, a **full Environmental Impact Statement (EIS)** is requested.

Thank you,

S[redacted] W[redacted]

Owatonna East Side Corridor Resident

Gmail

Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor EAW - formal public comment

[redacted] Mon, Dec 15, 2025 at 10:33 PM

To: ronald.gaines@steelecountymn.gov

Hi Ron,

I appreciate your attention to the Owatonna ESC EAW. I am submitting this email as a **formal public comment** on the **Environmental Assessment Worksheet (EAW)** for **the East Side Corridor (ESC) project.**

As often stated, the ESC has been studied for at least three decades. In the most recent twenty years, Owatonna development extended further east. With the abandonment of prior right of way considerations at 29th Ave, more recent studies rightly pushed out the roadway areas to be studied for a potential beltline or corridor. This is evident in the most recent 2011 study.

- Why did the most recent research go all the way back to the 1990s (when the North Country development did not exist) and bypass the more recent 2011 studies and current neighborhoods?
- With the most recent 2011 study (of 34th and 44th), and insufficient new studies, why was 29th chosen as a preferred route in 2022?

The impact of constructing the ESC on the proposed 29th route was prematurely selected after previously being removed, therefore a **full Environmental Impact Statement (EIS)** is requested.

Thank you,

S[redacted] W[redacted]

Owatonna East Side Corridor Resident

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor EAW - formal public comment

[redacted] Mon, Dec 15, 2025 at 10:33 PM
To: ronald.gaines@steelecountymn.gov

Hi Ron,

I appreciate your attention to the Owatonna ESC EAW. I am submitting this email as a **formal public comment** on the **Environmental Assessment Worksheet (EAW)** for **the East Side Corridor (ESC) project.**

The North Country neighborhood enjoys a peaceful area on the edge of town. Though a future low speed outlet road was communicated, a highway was not in the plan when residents chose to build their homes.

- What impact studies have been completed for the loss of resident property value?
- What quality of life (visual, noise, safety, etc.) impact studies have been completed?

The current EAW does not include major impact to existing residents in the North Country neighborhood. Due to the incomplete impact information, a **full Environmental Impact Statement (EIS)** is requested.

Thank you,

S[redacted] W[redacted]

Owatonna East Side Corridor Resident

Gmail

Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor EAW - formal public comment

[redacted] Mon, Dec 15, 2025 at 10:33 PM

To: ronald.gaines@steelecountymn.gov

Hi Ron,

I appreciate your attention to the Owatonna ESC EAW. I am submitting this email as a **formal public comment** on the **Environmental Assessment Worksheet (EAW)** for **the East Side Corridor (ESC) project.**

The proposed 29th Ave highway is a new route planned with curves, through existing wetland and forest, and with several roundabouts. 34th Ave is an existing road (some of it plowed under in recent years, but existing nonetheless) that is straight. As fiscal responsibility is a tenant of the County Commissioners and their mission:

- How much money has already been spent (since 2022) on the ESC project?
- What is the current cost comparison for 29th versus 34th (initial cost to construct and ongoing maintenance)?

It is reasonable and expected that the commissioners and public can compare these costs prior to making a very large financial investment. Assuming this would be included, a **full Environmental Impact Statement (EIS)** is requested. If not included, a **full cost benefit analysis (CBA)** between 29th and 34th is requested.

Thank you,

S[redacted] W[redacted]

Owatonna East Side Corridor Resident

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

Public Comment-Predetermination & Resolutions

1 message

[redacted] Wed, Dec 17, 2025 at 6:16 AM
To: "ronald.gaines@steelecountymn.gov" <ronald.gaines@steelecountymn.gov>
[redacted]

Dear Mr Gaines:

I attended the Public Open House on the East Side Corridor to voice my concerns and hopefully have those concerns considered. Was I deceived by predetermination?

I am submitting this comment to address concerns of predetermination under MEPA related to the East Side Corridor.

The Environmental Assessment Worksheet (EAW) is intended to inform decision-makers before commitments are made. Minnesota Rules prohibit actions that tend to determine subsequent development or limit reasonable alternatives while environmental review is ongoing.

Here, Resolutions of Support adopted by cooperating governmental units are referenced in the EAW and collectively point to the same project alternative. The Township resolution does so through designation of the corridor via the outlots, and the City resolution through explicit support of Alternative 3.

These resolutions were adopted, or advanced, prior to completion of environmental review. Their inclusion in the project record reflects existing commitments to a specific alternative, which narrows the field of reasonable alternatives and cannot be disregarded or neutralized simply by noting their existence.

When commitments to a specific alternative are made before environmental review is complete, the EAW risks becoming a justification for a predetermined outcome rather than a neutral evaluation of impacts and alternatives. This undermines the purpose of MEPA and compromises meaningful public participation.

For these reasons, the EAW is procedurally and substantively deficient and cannot support a lawful Finding of No Significant Impact. Where predetermination has limited reasonable alternatives and meaningful public participation, MEPA requires preparation of a full Environmental Impact Statement.

Environmental review must inform decisions — not follow them.

Respectfully submitted,
S[redacted] M[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East side corridor

[redacted] Wed, Dec 10, 2025 at 3:40 PM
To: ronaldgaines@steelecountymn.gov, Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

I am looking for the risk assement on bridge bridge plan first cover sheets and the last sheets of the bridge plan so I can have independent firm to verify there work I feel that by building the road to west of my sons house it will flood his house because the flood fringe is where all water storage is by building the road there is no place for the water to go but in to his house. I still think 34 Ave is a better place you already have abandon road bed less farm land to take and is a straight shot.

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

East Side Corridor

[redacted] Fri, Dec 19, 2025 at 12:38 AM
To: ronald.gaines@steelecountymn.gov
Cc: owatonnaeastsidecorridor@gmail.com

Steele County, the City of Owatonna, and their consultants improperly segmented a single, connected transportation and development system into multiple projects to avoid full environmental review.

The following projects function as **connected actions** and must be reviewed together:

East Side Corridor (ESC)

18th Street expansion and trails

18th St. railroad roundabout

26th St. roundabout

Owatonna High School relocation

Utility expansions and substation upgrades

Havana intersection project

Main Street project

Fire and Police Station relocation

Adjacent housing and commercial development identified in Imagine Owatonna

Federal and state law prohibit segmentation when projects:

depend on one another,

are justified by the same traffic or development need, or

cumulatively increase impacts.

Here, each project was used to justify the next, while being excluded from environmental analysis. This is classic segmentation and requires a single, unified EIS. Additionally, a FONSI requires a complete, accurate and good-faith evaluation of environmental impacts and reasonable alternatives, and must be supported by substantial evidence in the record. That standard is not met here.

G[redacted] P[redacted]

[redacted]

[redacted]

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Failure to Conduct Site-Specific Analysis for Residences in Extreme Proximity Requires Preparation of an EIS

[redacted] Fri, Dec 19, 2025 at 7:02 AM
To: Ronald.gaines@steelecountymn.gov
Cc: EQB.monitor@state.mn.us, mayor@owatonna.gov, david.burbank@ci.owatonna.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**.

While the EAW generally acknowledges the presence of residential neighborhoods along portions of the corridor, it **fails to conduct the site-specific analysis required under the Minnesota Environmental Policy Act (MEPA)** for residences located in **extreme proximity** to the proposed roadway—specifically homes located approximately **17 feet from the edge of the roadway**.

Under **Minn. R. 4410**, an EAW must evaluate whether a project has the potential for **significant environmental effects**, considering the **type, extent, duration, frequency, and magnitude of impacts**, as well as the **sensitivity of the affected environment**. Where impacts are **highly concentrated on a small number of receptors**, generalized or corridor-wide analysis is insufficient.

The EAW does not:

- Identify or map residences located within tens of feet of the roadway
- Differentiate between homes in extreme proximity and those located farther away
- Quantify noise, air quality, safety, or visual impacts at the most affected residences
- Evaluate whether impacts to these homes are unavoidable, irreversible, or disproportionate
- Identify or analyze sensitive populations such as children, elderly residents, or individuals with disabilities

Instead, the EAW treats residential receptors as a uniform category, relying on planning-level assumptions and generalized impact discussions that **mask the severity of impacts where they are most acute**. This approach conflicts with MEPA's requirement that environmental review disclose impacts **where they are greatest**, not averaged across a broader corridor.

The EAW further states that no "critical facilities" with insufficiently mobile occupants are located within the Project area. This conclusion is unsupported by evidence in the record and improperly substitutes a categorical assumption for the required analysis of actual residential occupants and human health considerations.

Minnesota courts have consistently held that an EAW must provide **sufficient site-specific information** to allow decision-makers and the public to determine whether environmental effects may be significant. By failing to evaluate impacts to residences located approximately **17 feet from a new roadway**, the EAW does not provide the information necessary to support a negative declaration.

Because the Project has the potential to cause **significant, concentrated, and long-term impacts** to nearby residences, and because the EAW does not adequately analyze those impacts, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)** pursuant to **Minn. R. 4410**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Failure to Analyze Operational Noise Impacts Requires Preparation of an EIS

1 message

[redacted] Fri, Dec 19, 2025 at 7:05 AM
To: Ronald.gaines@steelecountymn.gov
Cc: mayor@owatonna.gov, david.burbank@ci.owatonna.mn.us, EQB.monitor@state.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing deficiencies in the Project's noise analysis.

While the EAW includes general information regarding construction noise and acknowledges the presence of residential land uses along the corridor, it **fails to analyze long-term operational noise impacts** at residences located in **extreme proximity to the proposed roadway**, including homes approximately **17 feet from the roadway edge**.

Under **Minn. R. 4410**, an EAW must evaluate whether a project may cause significant environmental effects by considering the **magnitude, duration, frequency, and sensitivity** of the receiving environment. Noise impacts to residences are explicitly required to be evaluated in an EAW.

The EAW does not:

- Model projected **operational roadway noise** at nearby residences
- Analyze **daytime and nighttime** noise exposure
- Compare projected noise levels to **Minnesota residential noise standards**
- Evaluate noise generated by braking and acceleration at roundabouts
- Evaluate heavy truck traffic, emergency vehicles, or winter maintenance noise
- Assess whether noise impacts would be continuous, unavoidable, or permanent

Instead, the EAW relies primarily on **construction noise tables** and generalized statements that noise impacts are temporary or manageable. Construction noise analysis does not satisfy MEPA requirements where **permanent operational noise** is the primary concern.

Where residences are located approximately **17 feet from a new roadway**, exceedances of residential noise standards are reasonably foreseeable, particularly during nighttime hours and winter operations. The EAW's failure to quantify these impacts obscures their severity and prevents informed public review.

The EAW also defers identification of noise mitigation measures and does not evaluate whether such mitigation would be feasible or effective given site constraints. Undefined or future mitigation cannot be relied upon to justify a negative declaration.

Because the Project has the potential to result in **significant, long-term operational noise impacts** to residences in extreme proximity, and because those impacts were not adequately analyzed in the EAW, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)** pursuant to **Minn. R. 4410**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Failure to Analyze Near-Roadway Air Quality and Human Health Impacts Requires Preparation of an EIS

1 message

[redacted] Fri, Dec 19, 2025 at 7:06 AM
To: Ronald.gaines@steelecountymn.gov
Cc: EQB.monitor@state.mn.us, david.burbank@ci.owatonna.mn.us, mayor@owatonna.gov

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing deficiencies in the EAW's air quality and human health analysis.

The EAW concludes that no air quality analysis is required because Minnesota is in attainment with the National Ambient Air Quality Standards. While attainment status may address regional conformity, it **does not satisfy the Minnesota Environmental Policy Act's requirement** to evaluate **localized air quality and human health impacts**, particularly where residences are located in **extreme proximity** to a new roadway.

Under **Minn. R. 4410**, an EAW must evaluate whether a project may cause significant environmental effects, including effects on **human health**, based on the **nature, magnitude, duration, and location** of those impacts.

The EAW fails to analyze near-roadway air quality impacts to residences located approximately **17 feet from the proposed roadway**, including but not limited to:

- Mobile Source Air Toxics (MSATs), including diesel particulate matter
- Fine particulate matter (PM2.5)
- Ultrafine particles associated with braking, acceleration, and heavy vehicles
- Long-term exposure risks to residents living immediately adjacent to traffic lanes

Scientific and regulatory guidance consistently recognizes that pollutant concentrations are highest within the first **50 to 100 feet** of roadways, where exposure risks are most severe. Despite this well-established principle, the EAW does not:

- Identify or map near-roadway residential receptors
- Quantify pollutant exposure at those residences
- Evaluate long-term exposure duration or cumulative health risks
- Identify sensitive populations such as children, elderly residents, or individuals with respiratory or cardiovascular conditions

Instead, the EAW relies on generalized statements regarding regional air quality attainment and fleet-wide emissions trends. This approach **masks localized exposure risks** and does not provide the site-specific information necessary to determine whether air quality impacts may be significant at the most affected residences.

Minnesota law requires environmental review to disclose **reasonably foreseeable localized impacts**, not to rely solely on regional compliance determinations. Where residences are located approximately **17 feet from a new roadway**, the potential for long-term human health impacts from vehicle emissions is foreseeable and must be evaluated.

Because the EAW does not analyze near-roadway air quality or human health impacts for residences in extreme proximity, it lacks the information necessary to support a negative declaration. Accordingly, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)** pursuant to **Minn. R. 4410**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Improper Deferral of Mitigation Measures Requires Preparation of an EIS

1 message

[redacted] Fri, Dec 19, 2025 at 7:08 AM
To: Ronald.gaines@steelecountymn.gov
Cc: mayor@owatonna.gov, david.burbank@ci.owatonna.mn.us, EQB.monitor@state.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing the EAW's improper deferral of mitigation measures for foreseeable environmental impacts.

Throughout the EAW, the Responsible Government Unit states that mitigation measures—such as **fencing, landscaping, berming, and buffering treatments**—are still "under consideration" and will be finalized **after the public comment period**, with details to be provided in a future findings or decision document.

This approach does not satisfy the requirements of the Minnesota Environmental Policy Act.

Under **Minn. R. 4410**, an EAW must evaluate environmental impacts **as proposed**, including reasonably foreseeable mitigation, so that decision-makers and the public can determine whether impacts may be significant. Mitigation measures cannot be deferred to a later stage and then relied upon to justify a negative declaration unless they are **specific, enforceable, and evaluated during environmental review**.

The EAW defers mitigation for impacts that are central to the Project's environmental significance, including:

- Operational noise impacts to nearby residences
- Visual and aesthetic impacts to residential properties
- Headlight glare and nighttime lighting impacts
- Safety-related buffering for homes located in extreme proximity
- Loss of privacy and residential usability

Because these mitigation measures are undefined and unevaluated, the EAW does not allow the public to understand:

- Whether mitigation would meaningfully reduce impacts
- Whether mitigation is physically feasible given site constraints
- Whether impacts would remain significant even with mitigation
- Whether mitigation would be enforceable or permanent

Minnesota law does not allow an EAW to rely on **vague or speculative future mitigation** to support a conclusion that environmental impacts will not be significant. Deferring mitigation until after environmental review prevents meaningful public participation and undermines MEPA's purpose of informed decision-making.

This deficiency is particularly significant where, as here, residences are located approximately **17 feet from the proposed roadway**, and mitigation measures are the primary means by which severe impacts might be reduced. Without evaluating those measures now, the Responsible Government Unit cannot lawfully conclude that impacts will not be significant.

Because the EAW relies on deferred and undefined mitigation to address potentially significant impacts, it lacks the information necessary to support a negative declaration. Accordingly, the Responsible Government Unit **must require**

preparation of an Environmental Impact Statement (EIS) pursuant to **Minn. R. 4410**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail

Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Inadequate Cumulative Effects Analysis and Improper Segmentation Requires Preparation of an EIS

[redacted] Fri, Dec 19, 2025 at 7:10 AM

To: Ronald.gaines@steelecountymn.gov

Cc: EQB.monitor@state.mn.us, mayor@owatonna.gov, david.burbank@ci.owatonna.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing deficiencies in the EAW's cumulative effects analysis.

The Minnesota Environmental Policy Act requires that an EAW evaluate **cumulative potential effects**, defined as the incremental impacts of a project combined with other past, present, and **reasonably foreseeable future actions**. This requirement applies regardless of whether those actions are undertaken by the same or different entities.

Under **Minn. R. 4410**, cumulative effects must be evaluated where there is a basis of expectation for future development or related projects that may interact with the proposed action.

While the EAW acknowledges that future residential, mixed-use, commercial, and institutional development is planned along the corridor, it fails to meaningfully analyze how those foreseeable developments will **compound environmental impacts to existing residences**, particularly those located in **extreme proximity** to the proposed roadway.

The EAW does not evaluate cumulative impacts related to:

- Increases in traffic volume, speed, and heavy vehicle use associated with planned growth
- Long-term increases in operational noise exposure
- Long-term increases in near-roadway air pollution and human health risks
- Increased frequency and duration of safety risks to adjacent residences
- Secondary roadway expansions or operational changes enabled by the Project

Instead, the EAW characterizes future development impacts as uncertain and defers their evaluation to future planning processes. This approach does not satisfy MEPA, which requires analysis of **reasonably foreseeable development** where adopted comprehensive plans and official policies establish a basis of expectation.

By limiting its analysis to the standalone impacts of the roadway while deferring growth-related effects, the EAW improperly segments the Project from its foreseeable consequences. This segmentation prevents an accurate assessment of environmental significance and undermines meaningful public review.

This deficiency is particularly consequential for residences located approximately **17 feet from the proposed roadway**, where incremental increases in traffic, noise, and emissions over time may convert already substantial impacts into **significant environmental effects**.

Because the EAW fails to integrate foreseeable development and growth-related impacts into its cumulative effects analysis, it does not provide the information necessary to support a negative declaration. Accordingly, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)** pursuant to **Minn. R. 4410**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Failure to Analyze Safety Impacts Requires Preparation of an EIS

1 message

[redacted] Fri, Dec 19, 2025 at 7:11 AM

To: Ronald.gaines@steelecountymn.gov

Cc: david.burbank@ci.owatonna.mn.us, mayor@owatonna.gov, EQB.monitor@state.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing the EAW's failure to evaluate **safety impacts to adjacent residences** as environmental effects.

Under the Minnesota Environmental Policy Act, environmental review must evaluate impacts to **human health and safety** where those impacts result from a physical environmental change. A roadway located in **extreme proximity** to occupied residences creates foreseeable safety risks that must be disclosed and analyzed.

Under **Minn. R. 4410**, an EAW must provide sufficient information to determine whether a project may cause significant environmental effects, including impacts related to safety and the use of property.

Despite proposing a new roadway located approximately **17 feet from existing homes**, the EAW does not analyze foreseeable safety impacts, including:

- Run-off-road crashes and vehicle intrusion into residential yards
- Winter maintenance hazards, including snow spray and ice throw
- Headlight glare and nighttime safety impacts affecting residential use
- Pedestrian and driveway access conflicts created by increased traffic
- Emergency access and response considerations for adjacent homes

These safety concerns are not speculative. They are direct and foreseeable consequences of placing a transportation facility in extreme proximity to occupied residences.

The EAW treats safety primarily as a traffic engineering or operational issue, rather than as an environmental effect requiring disclosure and analysis. This approach does not satisfy MEPA's requirement that safety-related impacts be evaluated where they stem from environmental change.

The absence of safety analysis is particularly significant given that the EAW also defers mitigation measures intended to buffer residences from the roadway. Without analyzing safety impacts or the effectiveness of mitigation, the Responsible Government Unit cannot determine whether such impacts would be significant, unavoidable, or irreversible.

Because the Project has the potential to result in **significant safety-related environmental effects** to residences located in extreme proximity, and because those effects were not adequately analyzed in the EAW, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)** pursuant to **Minn. R. 4410**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Predetermination of Route and Failure to Consider Reasonable Alternatives Requires Preparation of an EIS

1 message

[redacted] Fri, Dec 19, 2025 at 7:13 AM
To: Ronald.gaines@steelecountymn.gov
Cc: EQB.monitor@state.mn.us, mayor@owatonna.gov, david.burbank@ci.owatonna.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing evidence within the EAW that the Project's alignment was **functionally predetermined** prior to completion of environmental review and that reasonable alternatives were not meaningfully considered.

Under the Minnesota Environmental Policy Act, environmental review must **inform governmental decisions**, not be used to justify decisions that have effectively already been made. An EAW must provide sufficient information to allow meaningful consideration of alternatives and avoidance of environmental impacts before a preferred outcome is selected.

Under **Minn. R. 4410**, an Environmental Assessment Worksheet must disclose whether a project may have significant environmental effects and must not foreclose reasonable alternatives through premature commitment to a specific alignment.

The EAW contains multiple indicators of predetermination, including:

- Repeated references to the East Side Corridor alignment as having been officially planned, preserved, or maintained for a future roadway for decades
- Evaluation of only a single roadway alignment in detail, without meaningful analysis of alternative corridors, alignment shifts, or increased setbacks from existing residences
- A purpose-and-need narrative framed so narrowly that only the selected alignment can satisfy it
- Advanced right-of-way planning and quantified property acquisition that indicate commitment to a specific alignment
- Reliance on mitigation measures to accommodate impacts to nearby residences rather than evaluating avoidance alternatives

These factors demonstrate that the alignment is treated as fixed, rather than subject to evaluation through environmental review. This approach undermines MEPA's requirement that environmental consequences be disclosed and considered **before** a decision is made.

The lack of meaningful alternatives analysis is particularly problematic given that residences are located approximately **17 feet from the proposed roadway**, where severe site-specific impacts are foreseeable. MEPA requires that avoidance of environmental impacts be considered before reliance on mitigation. Here, avoidance options were not studied because the alignment was treated as predetermined.

By structuring the EAW to confirm an already-selected alignment rather than to evaluate whether that alignment—or reasonable alternatives—would avoid or reduce significant environmental effects, the EAW fails to meet the informational requirements of **Minn. R. 4410**.

Because the Project demonstrates functional predetermination and fails to meaningfully evaluate reasonable alternatives or avoidance measures, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)**.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060

Gmail Owatonna East Side Corridor <owatonnaeastsidecorridor@gmail.com>

EAW Comment – Purpose and Need Is Unsupported by Current Data and Improperly Framed, Requiring Preparation of an EIS

1 message

[redacted] Fri, Dec 19, 2025 at 7:15 AM
To: Ronald.gaines@steelecountymn.gov
Cc: mayor@owatonna.gov, david.burbank@ci.owatonna.mn.us, EQB.monitor@state.mn.us

Dear Responsible Government Unit,

I am submitting this comment regarding the Environmental Assessment Worksheet (EAW) for the **Owatonna East Side Corridor (29th Avenue Corridor) Project**, specifically addressing fundamental deficiencies in the Project's stated **Purpose and Need** and the resulting improper elimination of reasonable alternatives.

Under the Minnesota Environmental Policy Act, an EAW must accurately describe the problem a project is intended to solve and provide sufficient information to determine whether the proposed action may cause significant environmental effects. Purpose and Need is not merely descriptive; it governs the scope of alternatives considered and whether avoidance of environmental impacts is required.

Under **Minn. R. 4410**, environmental review must be based on **current conditions and reasonably foreseeable circumstances**, not outdated assumptions.

Failure of the Transportation Purpose

The EAW relies heavily on downtown congestion relief, traffic redistribution, and travel-time savings as primary justifications for the Project. However, available traffic data prepared by the Project's own consultant, WSB, indicates that these conditions have materially changed.

Traffic counts from **2019 to 2024 show reductions ranging from approximately 5 percent to as much as 30 percent at key downtown and corridor intersections**, demonstrating that the congestion conditions cited in the EAW have already been substantially alleviated. The EAW does not reconcile these reductions with its stated purpose.

In addition, when standard transportation modeling and mathematical formulations are applied—accounting for route length, posted speeds, intersection controls, and access points—the proposed corridor does **not demonstrate meaningful travel-time savings** for typical north–south trips. Despite this, the EAW assumes travel efficiency benefits without providing quantitative analysis demonstrating that such benefits exist.

MEPA does not allow environmental review to rely on assumed or outdated benefits, particularly where those assumptions are used to justify significant environmental and residential impacts.

Development-Driven Purpose and Premature Elimination of Alternatives

When unsupported traffic relief and travel-time justifications are removed, the remaining rationale for the Project aligns primarily with **facilitating future mixed-use, commercial, and institutional development** identified along the corridor in adopted land-use plans.

Viewed through this development lens, the predetermined corridor location and alignment make sense. However, this growth-accommodation purpose is not transparently disclosed or analyzed as such in the EAW. Instead, it is embedded within a transportation narrative that is not supported by current data.

Because the Purpose and Need is framed to support a predetermined development corridor, alternatives that could better meet transportation objectives—such as alternative alignments, increased setbacks from residences, or other network improvements—were **eliminated prematurely**, before avoidance options were studied.

This premature elimination prevented meaningful evaluation of:

- Alignments that would avoid residences located approximately **17 feet from the roadway**

- Design options that could meet transportation needs without imposing severe impacts on existing neighborhoods
- Solutions better aligned with current traffic conditions rather than outdated assumptions

Requirement for an EIS

By relying on outdated traffic conditions, assuming unproven travel-time benefits, and framing Purpose and Need in a manner that only the selected corridor can satisfy, the EAW functions to justify a preselected outcome rather than to inform a decision.

These deficiencies prevent meaningful consideration of alternatives and preclude a lawful determination that the Project will not have significant environmental effects. Accordingly, the Responsible Government Unit **must require preparation of an Environmental Impact Statement (EIS)** pursuant to **Minn. R. 4410**, including reassessment of Purpose and Need based on current data and full evaluation of reasonable alternatives and avoidance measures.

Respectfully submitted,

T[redacted] A[redacted] H[redacted]

[redacted]

Owatonna, MN 55060