

APPENDIX A

PROJECT MITIGATION SUMMARY “GREEN SHEET”

Project Mitigation Summary “Green Sheet”

For the Preferred Alternative

April 2025

Beck Road Corridor Improvement Project Environmental Assessment

This Green Sheet provides a summary of the Project-specific mitigation measures under consideration at this time. An updated Green Sheet will be included in the Finding of No Significant Impact (FONSI) for the Project. The listed mitigation measures may be modified during final design, right-of-way acquisition, or construction phases of the Project if unforeseen circumstances arise.

I. Social and Economic Environment

A. Right-of-Way (ROW)

1. All temporary grading easement areas will be restored before construction completion.
2. ROW acquisition activities will adhere to state and federal laws. Property owners will be provided just compensation for acquired property rights.

B. Community Impacts – Community engagement will continue through project development to gather feedback that may need to be considered during design, ROW, and construction phases. The Cities will post notices to City websites and social media to alert the community of major construction activities and traffic disruptions.

C. Construction Activities

1. A traffic management plan will be developed that will outline how the Project will be constructed and how traffic will be managed during construction.
2. Emergency service providers and local school districts will be informed of potential construction traffic impacts to allow those agencies to plan accordingly.
3. Access to adjacent businesses and residences will be maintained to the greatest extent possible, with limited short-term closures for driveway reconstruction.
4. Contractors will implement dust control mitigation measures as needed to limit community disruption.
5. The following measures will be considered for implementation to limit temporary noise impacts during construction as appropriate:
 - i. Inform the public about high noise activities (e.g., pile drivers) or nighttime construction.
 - ii. Truck noise must not exceed 88 dBA at 50 feet.

- iii. No construction within 1,000 feet and no pile driving/blasting within 3,000 feet of homes on Sundays, holidays, or outside approved hours without approval of the city of Novi or the city of Wixom.
 - iv. Equipment must have effective sound-control devices and no unmuffled exhaust.
 - v. Use “smart alarms” or spotters outside approved hours.
 - vi. Have portable noise meters for spot checks, with a trained operator.
 - vii. Equipment must meet EPA noise standards.
 - viii. Mitigate noise from rock crushing/screening within 3,000 feet of homes with material stockpiles or other approved methods.
6. Non-motorized/pedestrian detours will be done in accordance with the Michigan Department of Transportation (MDOT) Work Zone Safety and Mobility Manual and Americans with Disabilities Act (ADA) guidelines.

II. Section 4(f) Resources

- A. Recreational Property – Two Section 4(f) protected properties are located adjacent to the proposed project: Bosco Fields and the ITC Corridor Trail. Of these, Bosco Fields will result in a de minimis impact from the Preferred Alternative.
- 1. Access to Bosco Fields and the ITC Corridor Pathway will be maintained throughout construction.
 - 2. Enhancement plantings will be strategically placed along the eastern edge of Bosco Fields, if deemed necessary. While final plans will determine their need and locations, potential options include a tree buffer between the proposed turning loop and Jessica’s Splashpad.

III. Historic Resources

- A. Archaeology – A project inadvertent discovery plan will be developed to define the protocol for addressing unanticipated archaeological resources should they be discovered during construction.

IV. Hazardous/Contaminated Materials

- A. Contaminated Sites – Five sites of contamination that pose a medium risk to the project are located within the project limits.
- 1. If determined necessary due to potential disturbance of these sites, soil and/or groundwater testing will be performed.
 - 2. The MDOT Special Provision for Non-Hazardous Contaminated Material Handling and Disposing will be included in the Project proposal with an estimated miscellaneous quantity to account for unforeseen contaminated media that may be encountered.

V. Natural Environment

- A. Migratory birds – Tree removal and clearing will be restricted to occur between October 1 and March 30 to avoid the nesting season of migratory birds. The Special Provision for

Migratory Bird Protection (20SP-107B-01) will be included in the Project proposal and will be followed during construction.

B. Threatened and Endangered (T&E) Species

1. Bats (northern long-eared bat, Indiana bat, and tricolored bat) – Tree removal and clearing will be restricted to the inactive season (October 1 to April 14) to avoid disrupting these species. The Special Provision for Tree Removal and Clearing (20TM202-A395-02) will be included in the Project proposal.
2. Eastern massasauga rattlesnake (EMR) – Mitigation measures include implementing wildlife-friendly erosion controls and training construction crews using the Michigan Department of Natural Resources EMR educational video to address potential risks associated with the species' broad range in Michigan. The Special Provision for EMR (20SP-107F-01) will be included in the Project proposal.
3. Redside dace – In-water work will be restricted between May 1 to June 30 to protect fish spawning season.
4. Reporting – If EMR is observed during construction, adjacent work will stop immediately, and the construction engineer will be notified.

C. Water Quality - The Project will include temporary and post-construction best management practices (BMPs) to protect water quality, preserve water resources, and minimize the overall impact on aquatic resources created by a substantial increase in impervious surfaces.

1. Soil erosion and sedimentation control (SESC) – Temporary BMPs will be determined during the Project's final design and will meet regulatory requirements to minimize the potential for construction erosion and offsite sedimentation.
2. Earth disturbing activities in Wixom will require a Part 91 SESC Permit from the Oakland County Water Resources Commissioner. Earth disturbing activities in Novi will follow the City of Novi's Part 91 authorized public agency procedures.
3. National Pollutant Discharge Elimination System (NPDES) – Construction activities resulting in an earth disturbance five acres or greater will require a NPDES Notice of Coverage from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) to discharge stormwater from the Project site.
4. Post Construction Stormwater Treatment – Stormwater will be treated for a minimum of 80% Total Suspended Solids (TSS) removal using appropriate BMPs before it enters surface waters. TSS will not exceed 80 mg/L to comply with the Water Quality Control (WQC) Performance Standard as outlined in the cities' Municipal Separate Storm Sewer System (MS4) permits. BMPs will also mitigate flow rates and reduce volume, minimizing potential erosion concerns.

D. Streams – Impacts to streams will require a Part 301 permit from EGLE. Measures to avoid, minimize, and mitigate any impacts will be developed through the permitting process with EGLE. All culvert replacements will span the bankfull width of streams and align with upstream and downstream channels to avoid flow restrictions or perched conditions. In-stream construction activities will be restricted between May 1 and June 30 to protect fish spawning.

- E. Wetlands – Impacts to wetlands will require a Part 303 permit from EGLE. Compensatory wetland mitigation credits will be obtained from the Michigan Wetland Board or an alternative wetland mitigation bank if credits are not available through the Board. Final mitigation details such as ratios and location will be finalized as part of the permitting process.
- F. Invasive Species Control – A special provision for treatment and disposal of invasive plant species will be included in the Project proposal and will be followed during construction.

VI. Utilities

- A. The Cities of Novi and Wixom will coordinate with owners of all known impacted utilities to determine if their facilities will require modification, protection, or relocation to accommodate the Project. Utility owners will be responsible for relocating utility infrastructure prior to and during construction to minimize service disruptions to their customers.