### Project Limits

<table>
<thead>
<tr>
<th>Verbal Location Description</th>
<th>I 35, FROM 0.9 MILES NORTH OF PINE CO CSAH 33 TO 1.8 MILES SOUTH OF CARLTON CO LINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference Points</td>
<td>202+00.219 to 211+00.542</td>
</tr>
<tr>
<td>Project Length</td>
<td>9.319 miles</td>
</tr>
</tbody>
</table>

### General Project Information

<table>
<thead>
<tr>
<th>Type of Fix</th>
<th>Bituminous Reclamation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Type</td>
<td>PVTR (Pavement Resurface &amp; Rehabilitation)</td>
</tr>
<tr>
<td>Program Category</td>
<td>RS (Preservation--Resurfacing)</td>
</tr>
<tr>
<td>City or Cities</td>
<td>Willow River, Sturgeon Lake</td>
</tr>
<tr>
<td>County or Counties</td>
<td>Pine</td>
</tr>
<tr>
<td>Additional Control Sections</td>
<td></td>
</tr>
<tr>
<td>Functional Class</td>
<td>Principal Arterial</td>
</tr>
<tr>
<td>AADT/HCAADT (yr. 2012)</td>
<td>13600-14000/910-950</td>
</tr>
</tbody>
</table>

### Schedule

(see baseline schedule in P6 for details)

| Proposed Letting Date       | 12/16/2016                                                                       |

### Total Project Cost Estimate

| Construction Estimate       | $15,400,000                                                                       |
| Other Construction Estimate | $1,300,000                                                                        |
| Right of Way Estimate       | $0                                                                                 |
| Engineering Estimate        | $3,200,000                                                                        |

| Total Cost Estimate         | **$19,900,000**                                                                   |

---

Roberta Dwyer, Project Manager

Date

**APPROVED BY:**

Todd Campbell, P.E.

Assistant District Engineer, Program Delivery, District 1

Date
NEED STATEMENT FOR PROJECT: Deteriorating pavement resulting in rough ride, high maintenance costs, and reduced load carrying capacity.

PURPOSE STATEMENT OF PROJECT: Improve ride and extend the useful life of the highway.

PROPOSED CONSTRUCTION ELEMENTS:
Describe the work that will be included in this project under the appropriate heading. Note any unresolved risk items.

STANDARDS
Standards to follow in design: Preservation ☒ New Construction/Reconstruction 
Where is the project located? NHS ☒ Non-NHS

DRIVING LANES & PAVEMENT

SHOULders, TURN LANes, & RAMPS
- Resurface entrance and exit ramps (concrete pavement) at CSAH 43 and CSAH 46 interchanges.
- Reconstruct acceleration and deceleration lanes to current standards.
- New roadway will have a 3’ inside shoulder.

ROADSIDE (including bikeways and pedestrian accessibility)
- General Andrews Rest Area ADA Improvements
- CPR on ramps to rest area
- Rest Area will be closed while SB is being constructed.

BRIDGE
- Low bridge clearance (15.9’) at CSAH 46. Adjust profile under bridge to obtain 16.0’ clearance.

HYDRAULICS
Does this project require a DNR Public Water Permit? Yes ☒ No
- 37 pipes need work- 5- line, 2 repairs including Willow River (see below), 9 – aprons, 3-extend, 2- ditching and 16 clean.
- One big pipe-Willow River 72” RCP (needs dewatering)

MATERIALS
- 10-12” of inplace bituminous
- NB and SB – Mill inplace HMA 4in. remove inside and outside shoulders.
- FDR remaining mainline HMA 8in.(avg. 6.5in.HMA and avg.1.5in. inplace agg. base).
- Pave 2 lifts,[2.0in.SPWEA440C] over 1 lift, [2.0in. SPNWB330B].
UTILITIES
No impacts anticipated.

RAILROAD
N/A

DETOUR
- Ramps to be detoured for 6-12 days for reconstruction of the acceleration and deceleration lanes and overlay.

OTHER
- Clear trees in clear zone on outside, approximately 9.4 acres of trees to be removed.
- Tree clearing must be done in the October 1-April 1 time period.
- Assume maintenance will do tree clearing in median in winter 2016.

TRAFFIC
- The CSAH 43 and 46 interchanges should not be closed at the same time.
- Install cable median barrier one mile on either side of County Hwy 43 and 46 interchanges.
- During construction, two lane two-way traffic with crossovers.
- Re-use north cross over and mill and overlay from cross over to north end of project.
- Bring any deficient supers up to standards.
- Need rumble strips on shoulders.
- Will need to address backups and delays. Stopped traffic when flashing warning systems possible.
- New lighting systems at interchanges and rest area.

CONSTRUCTION ITEMS CONSIDERED BUT REJECTED:

PROPOSED PROJECT DELIVERY ELEMENTS:

STAKEHOLDER INVOLVEMENT
Municipal Consent Required: ☑ Yes ☐ No
Business Liaison: Roberta Dwyer
Agreements Needed: N/A

Stakeholder Involvement Plans:
N/A

ENVIRONMENTAL CLEARANCE
Environmental Document:
☐ Exempt ☑ Categorical Exclusion (23 CFR 771.117 (d) 1)
☐ EA/EAW ☐ EIS (☐ Re-evaluation) (☐ Supplemental)

Other Environmental Documents, Studies & Permits:
Does this project require a MPCA NPDES Permit? ☑ Yes ☐ No

Does this project disturb 50 acres or more and a discharge point on the project that is within one mile of, and flows to, a special or impaired water?
☑ Yes ☐ No
- Wetlands present adjacent to TH 35
- Floodplain FIRM map 270704 0100B (Willow River)
PRELIMINARY DESIGN

PLANS, SPECS & ESTIMATES
Consultant needed for final design plans.

RIGHT OF WAY
n/a

LETTING
☑ Design-Bid-Build   □ Design-Build   □ GEGC   □ Other:

CONSTRUCTION MANAGEMENT
Let and managed by MnDOT

PROJECT MANAGEMENT
• This project will follow standard project development practices with the exceptions and additions noted here:

Project Team Members and Roles:

<table>
<thead>
<tr>
<th>Role</th>
<th>Title</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Project Management</td>
<td>Project Manager</td>
<td>Roberta Dwyer</td>
</tr>
<tr>
<td>Project Agreements</td>
<td>State Aid</td>
<td>Rex Bordson</td>
</tr>
<tr>
<td>R/W Acquisitions</td>
<td>District Land Management Supervisor</td>
<td>John Hinzmann</td>
</tr>
<tr>
<td>Field Survey</td>
<td>District Principal Surveyor</td>
<td>John Hinzmann</td>
</tr>
<tr>
<td>Project Permits</td>
<td>Environmental Coordinator</td>
<td>Matt Meyer</td>
</tr>
<tr>
<td>Environmental Documentation</td>
<td>Environmental Report Writer</td>
<td>Cindy Lillegaard</td>
</tr>
<tr>
<td>Bridge Recommendations</td>
<td>District Bridge Engineer</td>
<td>Kevin Rohling</td>
</tr>
<tr>
<td>Contract Administration</td>
<td>District Construction Engineer</td>
<td>Aaron Gunderson</td>
</tr>
<tr>
<td>Project Design</td>
<td>Project Designer</td>
<td>Consultant</td>
</tr>
<tr>
<td>Hydraulics Design</td>
<td>District Hydraulic Engineer</td>
<td>Dave Mohar</td>
</tr>
<tr>
<td>Maintenance Scoping Input</td>
<td>Area Maintenance Supt.</td>
<td>Jim Kiely</td>
</tr>
<tr>
<td>Materials Design</td>
<td>District Materials Engineer</td>
<td>Rod Garver</td>
</tr>
<tr>
<td>Soils Field Work / MDR</td>
<td>District Soils Engineer</td>
<td>Chris Morris</td>
</tr>
<tr>
<td>Traffic Control, Detours,</td>
<td>District Traffic Engineer</td>
<td>Jim Miles</td>
</tr>
<tr>
<td>Signals, Lighting</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>