May 27, 2020

TO: Property Owners using County Road 4 and County Road 7

RE: 2020 Roadway Reconditioning Projects

Dear Property Owner:

I am writing to inform you of a roadway reconditioning project on County Road 4 and County Road 7 that is scheduled to begin soon and will impact travel on these road segments through most of the summer. While this will be inconvenient, when the projects are complete, the roadways will be smoother and safer for travelers.

The Mower County Board of Commissioners received bids and has awarded a contract to Rochester Sand and Gravel of Rochester, for the reconditioning of:

- County Road 4, between County Road 7 (670th Avenue) and County Road 9 (710th Avenue).
- County Road 7, between 150th Street north of Adams and County Road 3 (200th Street).

We have attached the Title Sheets for both Projects for reference. This work is scheduled to begin in early June (around June 8th) and is anticipated to take a good part of the summer to complete.

**Summary of Roadway Work on County Road 4**

This segment of roadway is approximately 4.3 miles long.

The existing bituminous pavement is an average of 21 feet wide. It is uneven and many distressed areas are present. The existing shoulders are mostly narrow or non-existent. When the reconditioning work is completed, the bituminous driving surface will be 24 feet wide, with 2-foot wide aggregate shoulders provided on both sides of the new pavement.

The proposed reconditioning work includes:

- Excavating along both sides of the roadway and adding gravel to widen the subgrade.
- Adding imported material to the existing inner ditch slopes to provide a 1’ vertical:3’ horizontal slopes along the road shoulders.
- Extending the existing culverts that cross the roadway.
- Milling and removing the top 4” of the existing 21-foot wide bituminous pavement and adding 4” of compacted gravel. The 21-foot wide surface will then be reclaimed (pulverized) to a depth of 10” and serve as aggregate base for new pavement.
- Construction of a new 24-foot wide bituminous driving surface with 2-foot aggregate shoulders.

It is anticipated that most of this work will be done under local traffic, allowing land owners to come and go from their homes and farms. However, transient traffic will be discouraged/not be allowed.
Summary of Roadway Work on County Road 7

This segment of roadway is approximately 5.4 miles long.

The existing bituminous pavement is an average of 23 feet wide. The existing shoulders are between 3.5 and 4 feet wide. Distressed areas are beginning to show up.

The roadway from 150th Street to the south end of the two curves; and the roadway from the north end of the curves to County Road 3 (200th Street) will be reconditioned by using the Cold-Inplace Recycling process. The top 4" of the pavement is pulverized, oil is added and the cross-section is then recompacted. After a couple of weeks have passed the roadway will be overlaid with 3" of new bituminous mixture; and the shouldering will be re-done. When completed, the roadway will have a 24-foot wide bituminous driving surface with aggregate shoulders that are between 3 and 3.5 feet wide. This work will be done under traffic, but some disruption will occur.

The two curves will be regraded and "softened" by increasing the radii to allow for a higher design speed than the existing curves. This will require that both curves be physically relocated. The curves will be closed to traffic while this takes place; and the work will be done in 2 phases because there is a house at the midpoint between the two curves. When complete, the roadway will have a 34-foot wide paved surface. The 95-year-old box culvert bridge will also be replaced and the area around it will be cleaned up.

The closure of the curves will require that a short-term detour be implemented. We will be detouring southbound transient traffic to the east and west at County Road 3 (200th Street). Traffic going to Taopi and Leroy will be directed to use County Road 3 east to County Road 8 to Highway 56; while traffic going to Rose Creek and Adams will be directed to use County Road 3 to County Road 19 to State Highway 56. Traffic going north out of Adams will be directed to use the same routes in reverse order. All of County Road 7 will be open to local traffic except for the curves.

Please use the detours and do not use the gravel Township roads any more often than you normally do as a matter of course. They are not typically designed and constructed to handle the traffic volumes or loads that the County Road system carries. We appreciate your cooperation.

We will do our best to maintain access to all concerns along the roadway during the Project. As with all construction, there will be some inconvenience to the public, but our intent is to minimize it.

Thank you in advance for helping us to make this a successful project.

If there are any questions, or if additional information is required, please do not hesitate to contact us.

Very truly yours,

Michal J. Hanson
Public Works Director
507-437-7718
michal@co.mower.mn.us

Cc: Polly Glynn, Commissioner
    Trish Harren, Administrator
    Surrounding Area City Clerks
    Surrounding Area Township Clerks
MINNESOTA DEPARTMENT OF TRANSPORTATION
MOWER COUNTY

CONSTRUCTION PLAN FOR: MILL BITUMINOUS SURFACE, FULL DEPTH RECLAMATION, SHOULDER WIDENING, CURVET EXTENSIONS, AGGREGATE BASE, BITUMINOUS SURFACE, AGGREGATE SHOULDERS, EROSION CONTROL AND TURF ESTABLISHMENT

GEOGRAPHIC DESCRIPTION: ON CSAH 4 (167TH ST AND 170TH ST) FROM CSAH 7 (670TH AVE) TO CSAH 9 (710TH AVE)


STATE AID PROJECT NUMBER: SAP 050-604-025

GROSS LENGTH: 22325.00 FT  4.226 MILES

BRIDGE LENGTH:

EXCEPTION LENGTH:

NET LENGTH: 22325.00 FT  4.226 MILES

GOVERNING SPECIFICATIONS
THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL GOVERN

INDEX TO SHEETS
SHEET NO. 1 TITLE SHEET
SHEET NO. 2 ESTIMATED QuantITIES AND NOTES
SHEET NO. 3 TYPICAL SECTIONS and DETAILS
SHEET NO. 4 CENTERLINE PIPE CULVERT SCHEDULE
SHEET NO. 5 TRAFFIC CONTROL PLAN
SHEET NO. 6 SWPPP DETAILS
SHEET NO. 7 CROSS SECTIONS
SHEET NO. 8-69 SWPPP DETAILS

THIS PLAN CONTAINS 69 SHEETS

DESIGN DESIGNATION
Design Standard: 880.0026-Reconditioning Functional Class: Minor Collector

CSAH 7 TO 670TH AVE
ADT (2018) = 205
ADT (2020) = 205
Projected ADT (2040) = 205

670TH AVE TO CSAH 9
ADT (2018) = 75
ADT (2020) = 75
Projected ADT (2040) = 75

Soil Factor: 100 (6 TON Design)

Traffic Lanes: 2-12 feet
Shoulders: 0-2 feet

Design Speed: 65 mph

Based on Design Speed
Height of curb: 3.5 ft
Height of object: 2.0 ft

DESIGN SPEED NOT ACHIEVED:
Sta 42+65.47 to Sta 49+72.40 (45 MPH Curve)
Sta 52+73.65 to Sta 55+12.50 (50 MPH Curve)
Sta 55+30 to Sta 57+32.45 (50 MPH Curve)

I CERTIFY THAT THIS PLAN WAS PREPARED BY ME AS SHOWN BY SIGNATURE DATED FROM THE MANGES OF MINNESOTA

DESIGN CONSULTANTS

APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

SAP 050-604-025 Sheet No. 1 of 69 Sheets