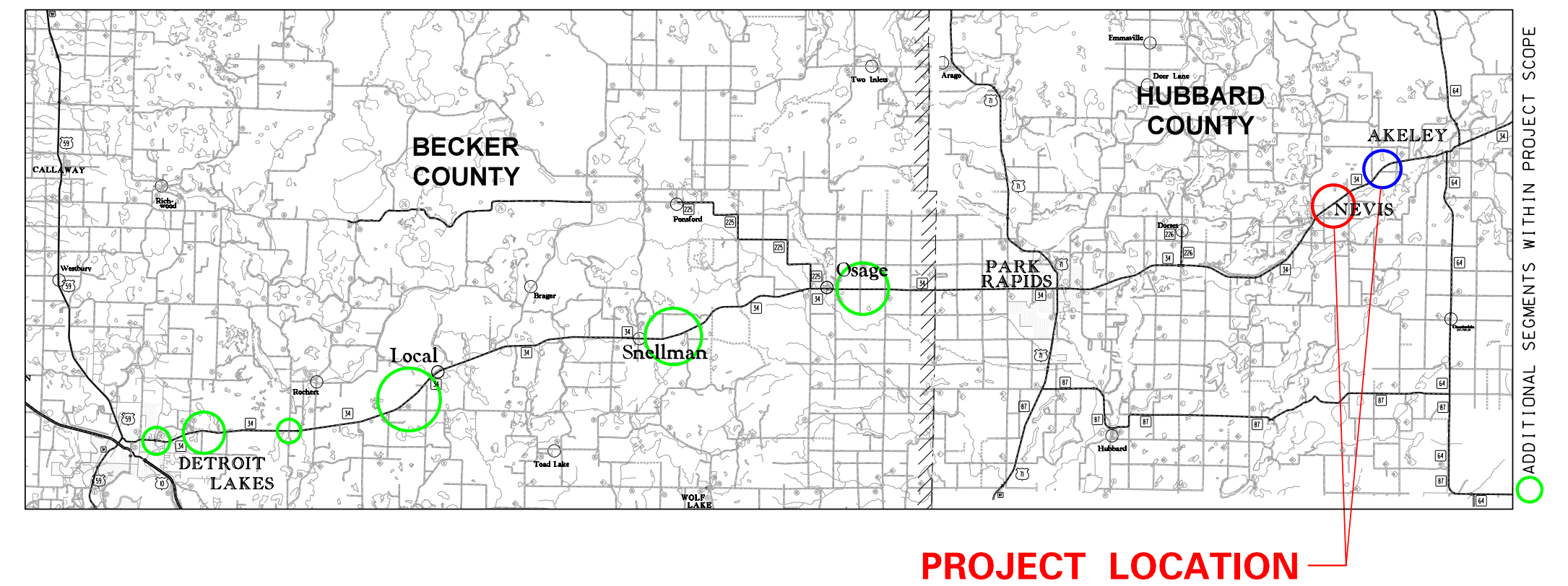
LAYOUT HISTORY

DATE	DESCRIPTION
DEC 19, 2013	- 2002 Interregional Corridor (IRC) Report identified initial passing lane needs and locations. - Concept layouts were created by District 4 in Oct 2013 that refined the locations from the 2002 IRC Study. - Wetland impacts were minimized and avoided during the concept and preliminary design phases. - Completed by Kimley-Horn & Associates in 2013



BECKER COUNTY
HUBBARD COUNTY
AKELEY
NEVIS
Osage
PARK RAPIDS
Snellman
Local
DETROIT LAKES
ADDITIONAL SEGMENTS WITHIN PROJECT SCOPE
PROJECT LOCATION

LEGEND

🟨 Proposed Roadways	Construction Limits
🟦 Proposed Shoulder	Existing ROW
Parcel Boundary	Existing Wetland Boundary
← Traffic Flow	Proposed Guardrail
Side Slopes and Drainage Flow	XXXXX ADT 2034 ADT Volume
	Ditch Check/Swale Treatment Area

LAYOUT No. _1_ COPY No. ___

T.H. ___TH34___ VICINITY OF ____NEVIS____

FROM NEVIS: ADD EB PASSING LANE ______

NEVIS: ADD WB PASSING LANE ______

Prepared DECEMBER ___ 2013 Scale: Hor. 1 inch = 100 ft.

By KIMLEY-HORN & ASSOCIATES, INC

The alignment and grades shown on this map are tentative and subject to change without notice.	Staff Approval Date:	The traffic volumes shown are estimated for year 2034 Prepared KIMLEY-HORN 2013

S.P. 2902-42 T.H. 34 A.J. T2A-283 PPMS Activity 1140

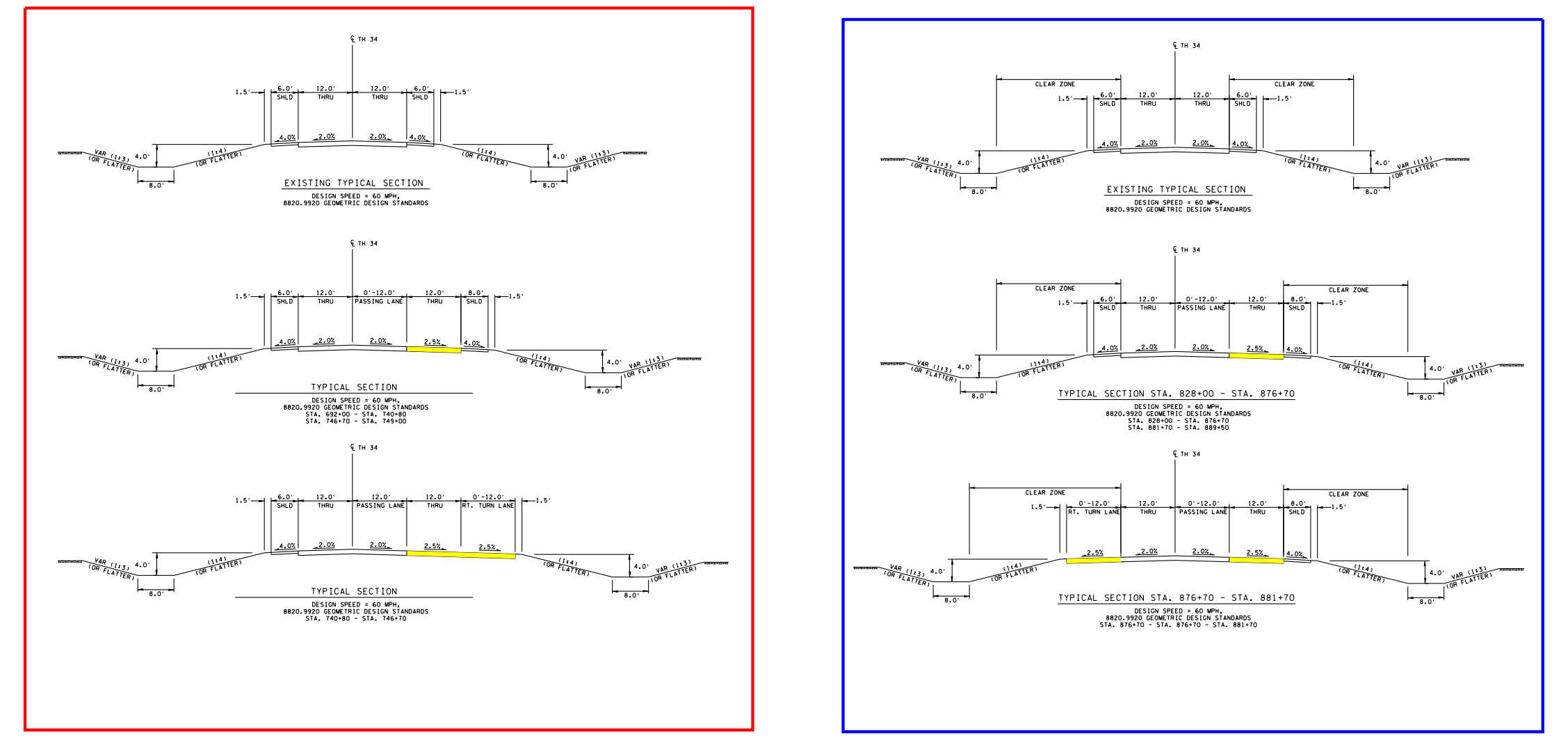
S.P. ___ T.H. ___ A.J. ___ PPMS Activity ___

S.P. ___ T.H. ___ A.J. ___ PPMS Activity ___

Copy To: ___ For: ___

DESIGN FILE: ...\Plan Sheets\Layouts\TH34 Dist 2 SAL 1.DGN

DATE: JANUARY 8, 2014


EXISTING TYPICAL SECTION
DESIGN SPEED = 60 MPH, 8820.9920 GEOMETRIC DESIGN STANDARDS

TYPICAL SECTION
DESIGN SPEED = 60 MPH, 8820.9920 GEOMETRIC DESIGN STANDARDS
STA. 692+00 - STA. 740+80
STA. 746+70 - STA. 749+00

TYPICAL SECTION
DESIGN SPEED = 60 MPH, 8820.9920 GEOMETRIC DESIGN STANDARDS
STA. 740+80 - STA. 746+70

EXISTING TYPICAL SECTION
DESIGN SPEED = 60 MPH, 8820.9920 GEOMETRIC DESIGN STANDARDS

TYPICAL SECTION STA. 828+00 - STA. 876+70
DESIGN SPEED = 60 MPH, 8820.9920 GEOMETRIC DESIGN STANDARDS
STA. 828+00 - STA. 876+70
STA. 881+70 - STA. 889+50

TYPICAL SECTION STA. 876+70 - STA. 881+70
DESIGN SPEED = 60 MPH, 8820.9920 GEOMETRIC DESIGN STANDARDS
STA. 876+70 - STA. 876+70 - STA. 881+70

℄ TH 34
CLEAR ZONE
1.5'
6.0' SHLD
12.0' THRU
0'-12.0' PASSING LANE
12.0' PASSING LANE
8.0' SHLD
0'-12.0' RT. TURN LANE
4.0%
2.0%
2.5%
VAR (1:3) (OR FLATTER)
(1:4) (OR FLATTER)
4.0'
8.0'

WIDTH AND DEPTH OF DITCH SECTION MAY VARY IN SELECT LOCATIONS

Level 2 LAYOUT APPROVAL

Programmed Letting Date ______________ 20__

Reviewed By ______________ District Preliminary Design Engineer 20__

Reviewed By ______________ District Maintenance Operations Engineer 20__

Reviewed By ______________ District Traffic Engineer 20__

Approved By ______________ District Engineer 20__

I HEREBY CERTIFY THAT THIS LAYOUT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: ______________ LIC. NO. ______________ DATE: ______________ 20__

LAYOUT NOTES

- STA 833+77 TO STA 840+97 REQUIRES SPECIAL PAVEMENT MARKINGS FOR LEFT LANE DROP.
- INPLACE RUMBLE STRIPES TO BE FILLED, NEW RUMBLE STRIPES TO BE INSTALLED.
- STORMWATER TREATMENT WILL BE HANDLED BY DITCH CHECKS AND SWALES THROUGHOUT THE PROJECT AS IDENTIFIED ON THE LAYOUTS.
- EXISTING PAVEMENT MARKINGS FOR THE EASTBOUND RIGHT TURN LANE AT 269TH AVE TO BE REMOVED AND NEW MARKINGS INSTALLED PER PLAN.

MINNESOTA DEPARTMENT OF TRANSPORTATION

Kimley-Horn and Associates, Inc.

NEVIS: ADD EB PASSING LANE

410 HCADT
5900 ADT
BEGIN CONSTRUCTION STA 692+00
8' PVD SHLD 1.5' GRVL
12' THRU LANE
12' PASSING LANE
PVT ENT
FIELD ENT
315 HCADT
4500 ADT
269TH AVE
300' 12' RT TURN LANE
END CONSTRUCTION STA 746+40
SCALE: 1" = 100'

NEVIS: ADD WB PASSING LANE

BEGIN CONSTRUCTION STA 828+00
275TH AVE
315 HCADT
4500 ADT
230TH ST
FIELD ENT
PVT ENT
275' 12' RT TURN LANE
12' THRU LANE
12' PASSING LANE
8' PVD SHLD 1.5' GRVL
285TH AVE
END CONSTRUCTION STA 894+40
SCALE: 1" = 100'