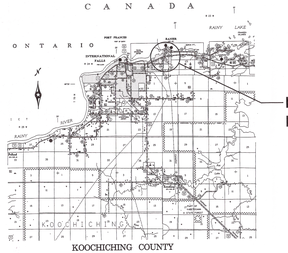
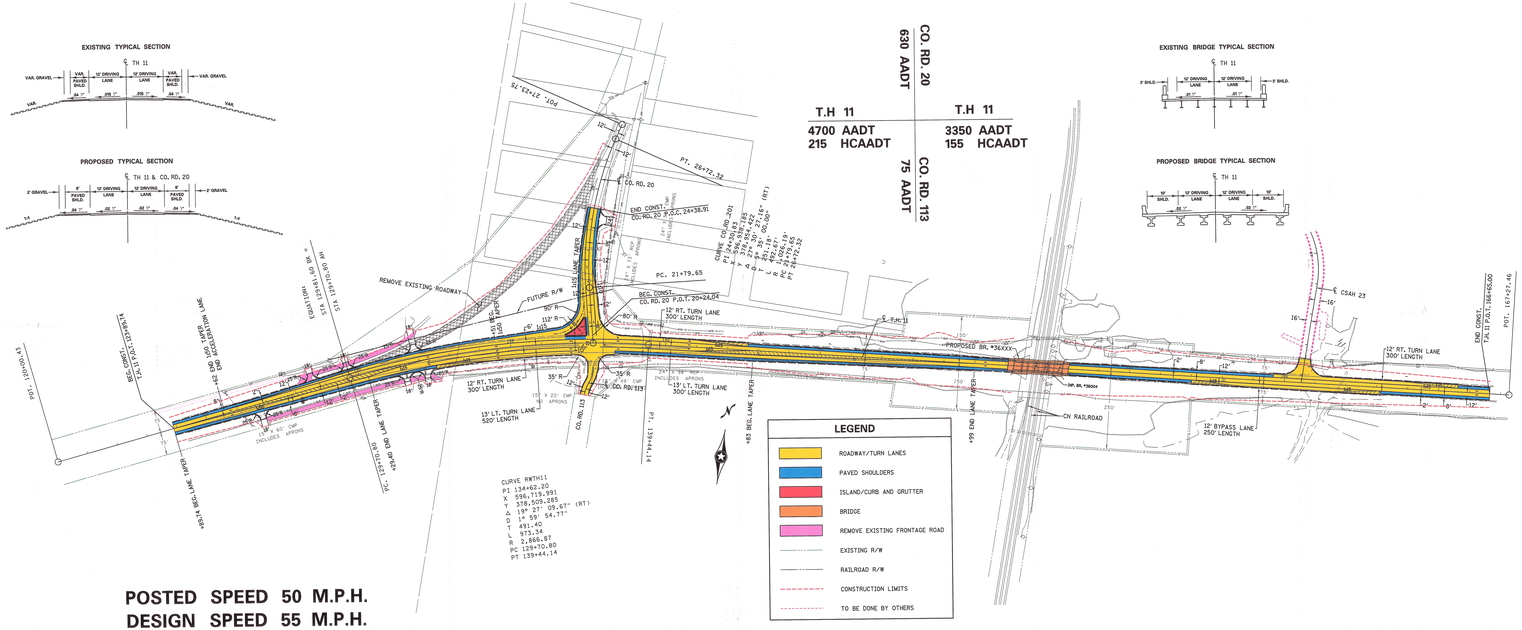


PROJECT LOCATION

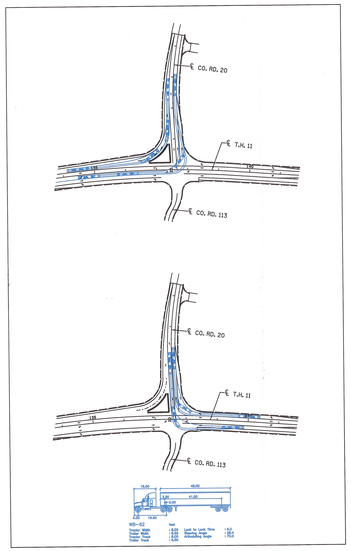
EXISTING TYPICAL SECTION

PROPOSED TYPICAL SECTION



EXISTING BRIDGE TYPICAL SECTION

PROPOSED BRIDGE TYPICAL SECTION



POSTED SPEED 50 M.P.H.
DESIGN SPEED 55 M.P.H.

LAYOUT HISTORY

Layout No. 1

This project includes replacing bridge #36004 over the CN railroad, removing the center concrete medians, removing the existing dedicated right coming out of Ranier on the north side of TH 11and replacing with a compact free right with an acceleration lane. The geometric design takes into account the new bridge be built on existing alignment with a raise in the profile to accommodate minimum clearance necessary for the railroad.

Layout No. 2

T.H. 11
Realigned the development of the left turn lane for going north on Co. Rd. 20. This was done by using a tangent 1:50 taper from the eastbound curve through the intersection.

Co. Rd. 20
Adjusted the proposed connection going into the city of Ranier.
Removed the right turn lane turning onto T.H. 11. The free right was redesigned using a 1:15 taper.

Level 1 LAYOUT APPROVAL
Programmed Letting Date SEPTEMBER 22, 2017

Prepared By	Bruce A. Barr (Author Name of Preliminary Design Engineer)	6/14 / 2016
Reviewed By	Jonathan A. Wiebe (Assistant Design Engineer)	7/11 / 2016
Reviewed By	Alan Dobson (Assistant Bridge Engineer)	8/2 / 2016
Approved By	Dennis R. Zelle (Assistant Design Engineer)	8/23 / 2016
Approved By	Kevin Gray (Area Manager)	8/31 / 2016

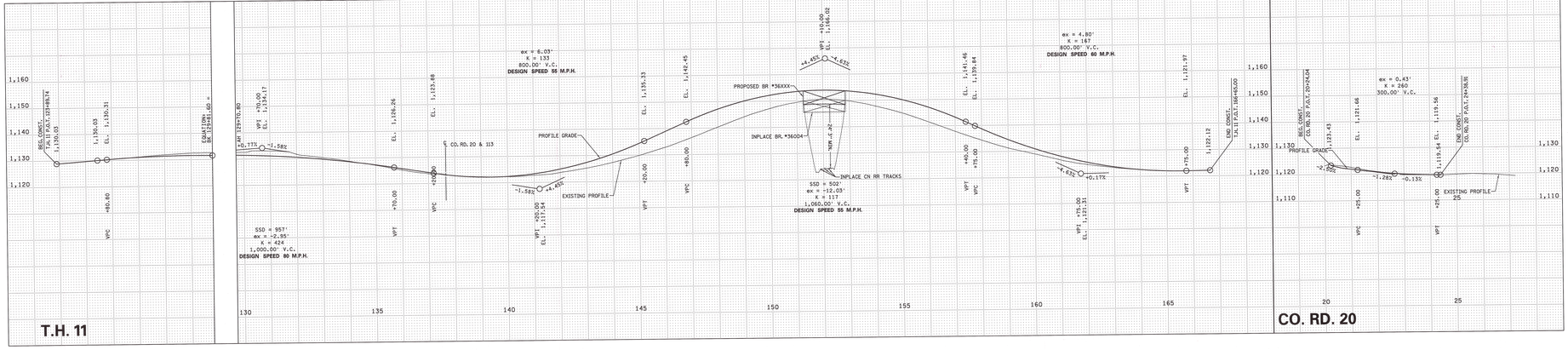
LAYOUT No. 2 & PROFILE No. 1 COPY No. 1
T.H. 11 IN RANIER - .05 MI. N. OF JCT. CSAH 20
TO .45 MI. N. OF JCT. CSAH 13 & APPROACH GRADING,
REPLACE OLD BR. #36004
By order of: DISTRICT ENGINEER 2016 Scale: Hor. 1 inch = 100 ft. Vert. 1 inch = 10 ft.

S.P. 3606-61	T.H. 11	A.J. TJAGEL	PPMS Activity#150
S.P. _____	T.H. ____	A.J. _____	PPMS Activity_____
S.P. _____	T.H. ____	A.J. _____	PPMS Activity_____

The alignment and grades shown represent the design intent. Deviations may be required to meet field conditions.

Staff Approved Date 8/31/2016

The traffic volumes shown are the design year volumes for the intersection Road Web.

Copy To _____ For _____

SCENIC FILE - Projects 01 DIA 011 3606-061 Design 3606061.geo.dgn
DATE 31-JUL-2016