LEGEND

- ROADWAYS (INCLUDING TURN LANES)
- PAV SHOULDERS
- GRAVEL SHOULDERS/ GRAVEL ENTRANCES
- OBLIERATE ROADWAY
- MILL & OVERLAY
- PRELIMINARY CONSTRUCTION LIMITS
- EXISTING R/W
- PROPOSED R/W
- EXISTING CONTROLLED ACCESS

Level 2 LAYOUT APPROVAL

Programmed Letting Date JANUARY 1-31-2020

Prepared By [signature] 06/24/2019 District Design or Preliminary Design Engineer

Reviewed By [signature] 7/3 2019 District Traffic Engineer

Approved By [signature] 7/9/2019 Transportation District Engineer

LAYOUT No. 1 COPY No. 1

T.H. 23 VICINITY OF COTTONWOOD TO GRANITE FALLS

FROM CSAH 24

TO SOUTH OF TH 67 (GRANITE FALLS)

Prepared JUNE 2019 Scale: As Noted

By BRENT WILTS & COREY MAY

The alignment and grades shown on this map are tentative and subject to change without notice.	Staff Approval Date: 7/9/2019	The traffic volumes shown are estimated for year 2037. Prepared Dec. 2014 (F8-14)

S.P. 4203-50 T.H. 23 A.J. T81337 PPMS Activity 1140

S.P.____ T.H.___ A.J.____ PPMS Activity____

S.P.____ T.H.___ A.J.____ PPMS Activity____

Copy To:________ For:________

DESIGN FILE: P420350_Lo1.dgn

DATE: JUNE 2019

Layout History S.P. 4203–50 TH 23

The need for this project is the deteriorating pavement structure of the full depth bituminous pavement causing reduced ability to support heavy loads, rought ride, and overwhelming maintenance cost.

August 2017: 30% layout prepared for review.

January 2018: 60% layout prepared for review. No significant changes were made.

April 2018: 90% Layout prepared for review. The left turn lane transition tapers were increased from 1:50 to 1:70. The box culvert excavation slopes were flattened from 1:1.5 to 1:2 per OSHA regulations.

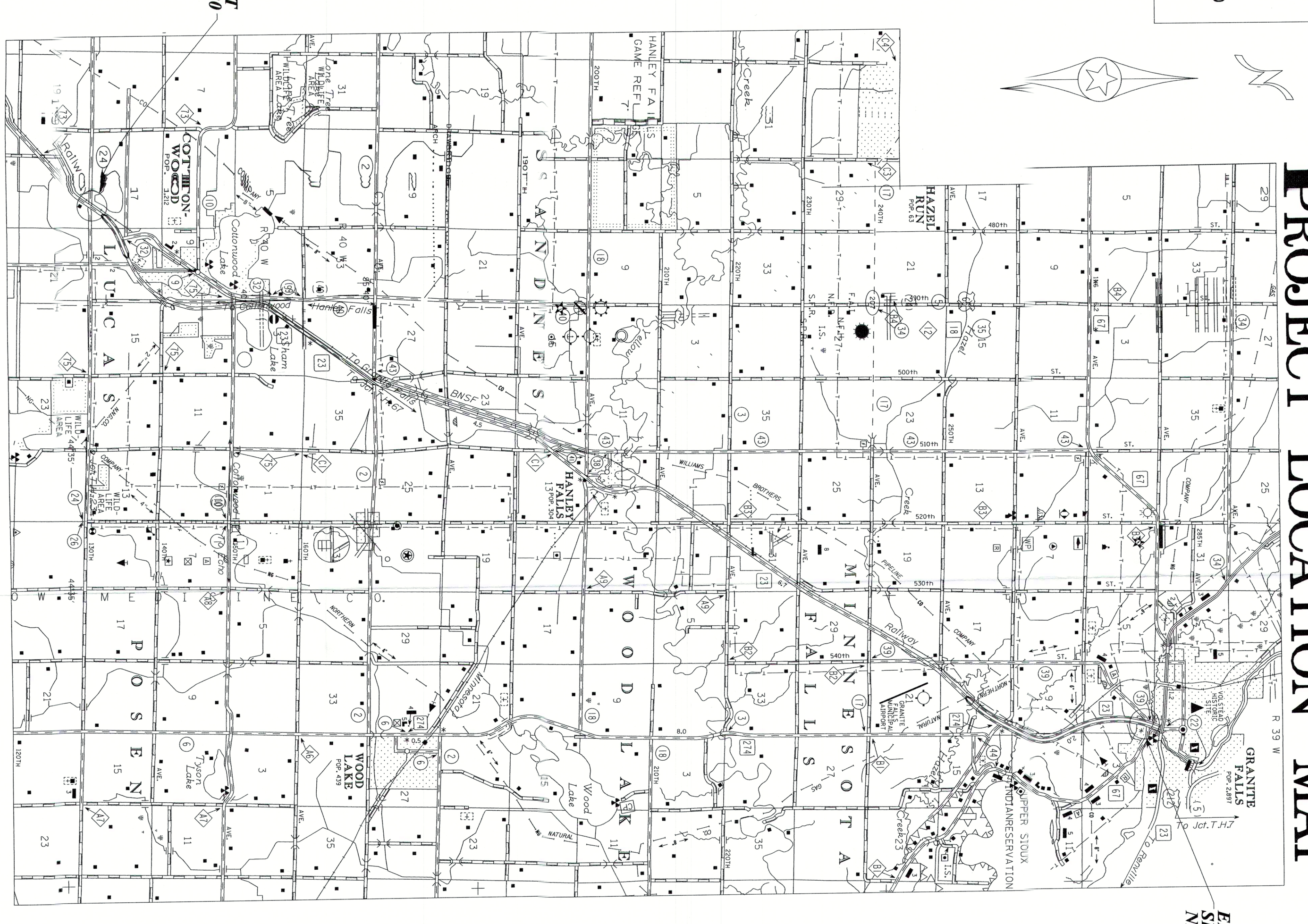
December 2018: 100% layout prepared for review. Changes include alignment and profile shift along CSAH 9, addition of pond grading contours at CSAH 9, driveway configuration along

Design Exceptions: None

S.P. 4203-50 (TH 23) PROPOSED MILL 3.5" AND 7"-7.5" CONCRETE OVERLAY PAGE 1 OF 5

BEGIN PROJECT STA. 274+80

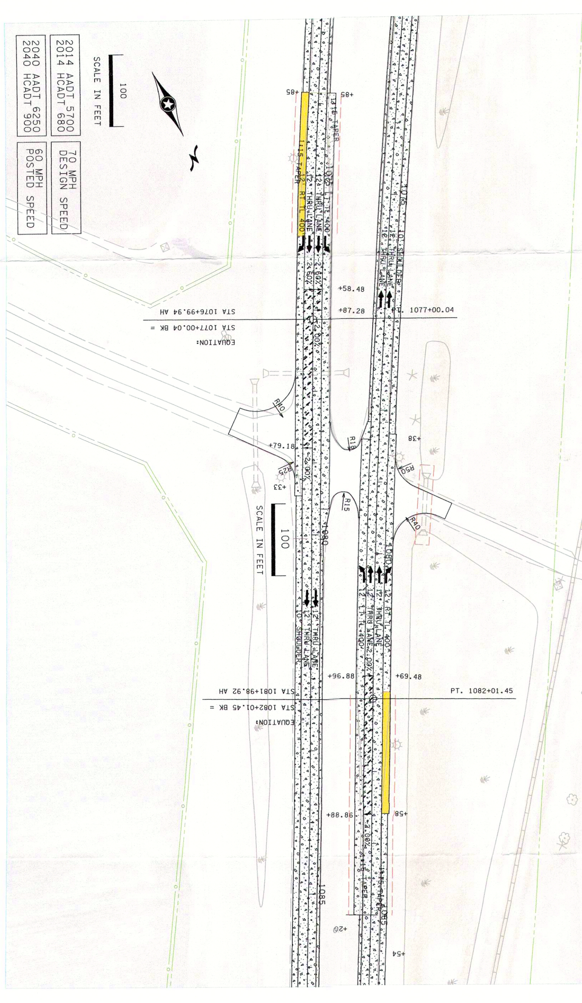
PROJECT LOCATION MAP



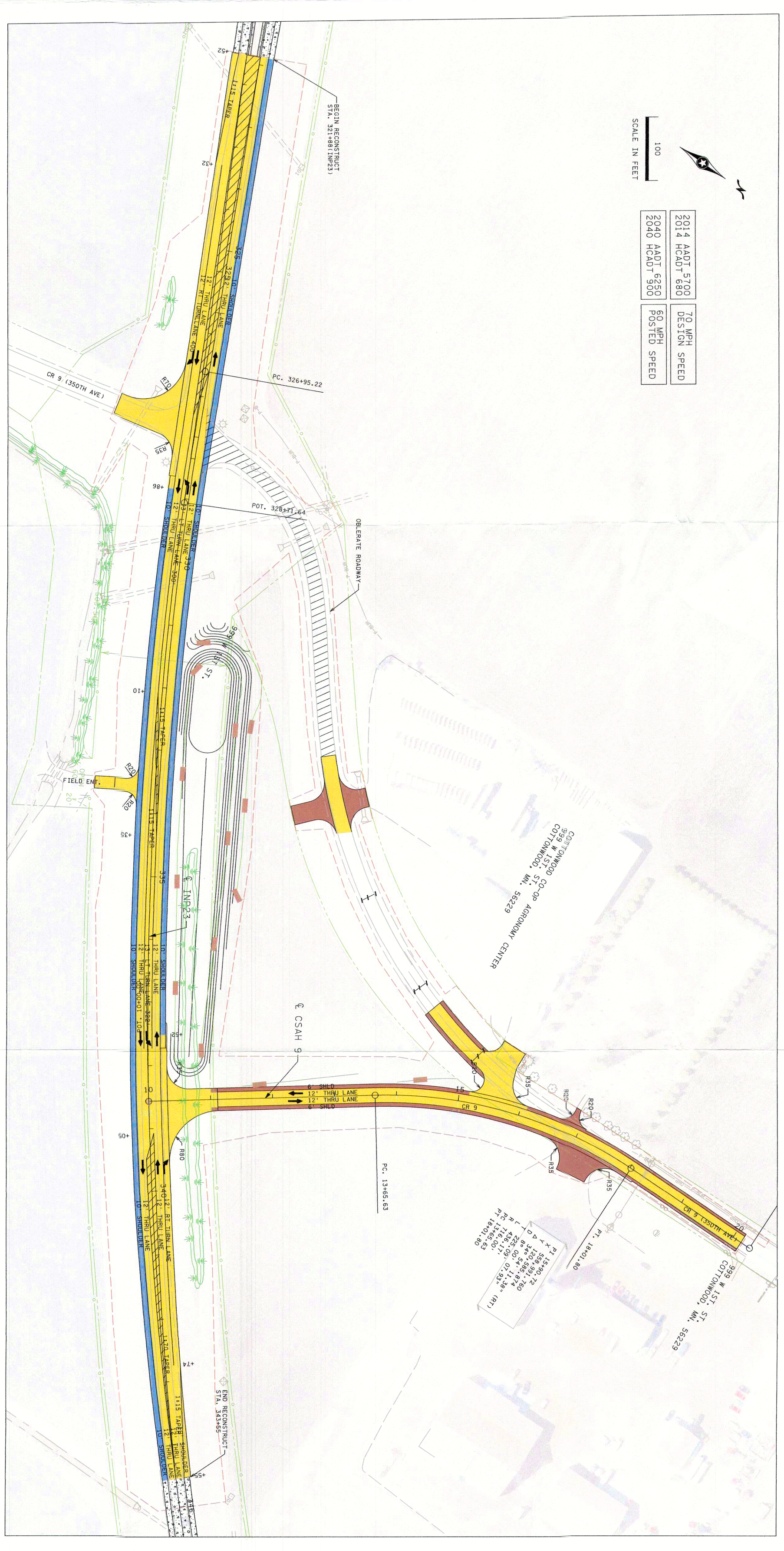
END PROJECT SB STA. 1188+99 NB STA. 1186+99

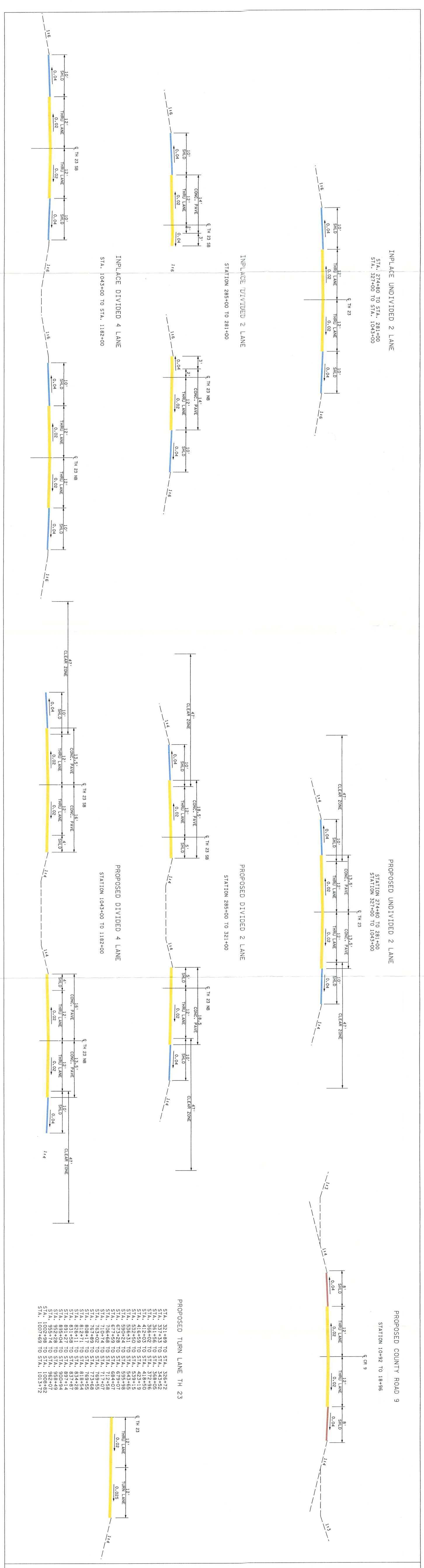
DEPARTMENT OF TRANSPORTATION

TH274 INSET #6

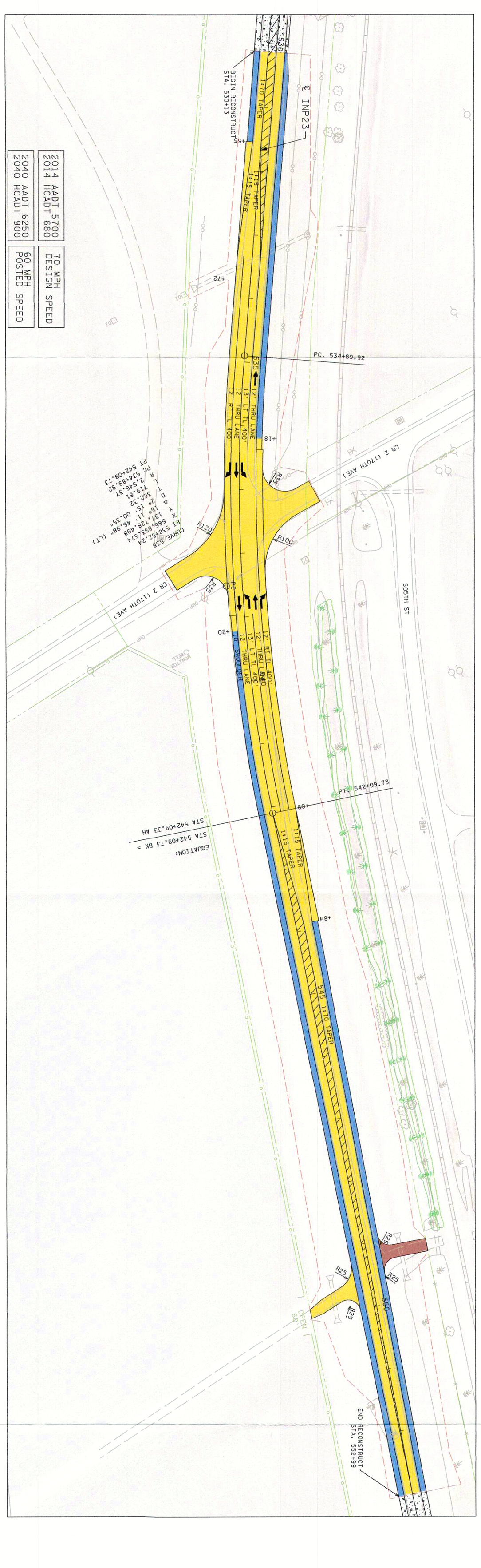


CR9 INSET #1

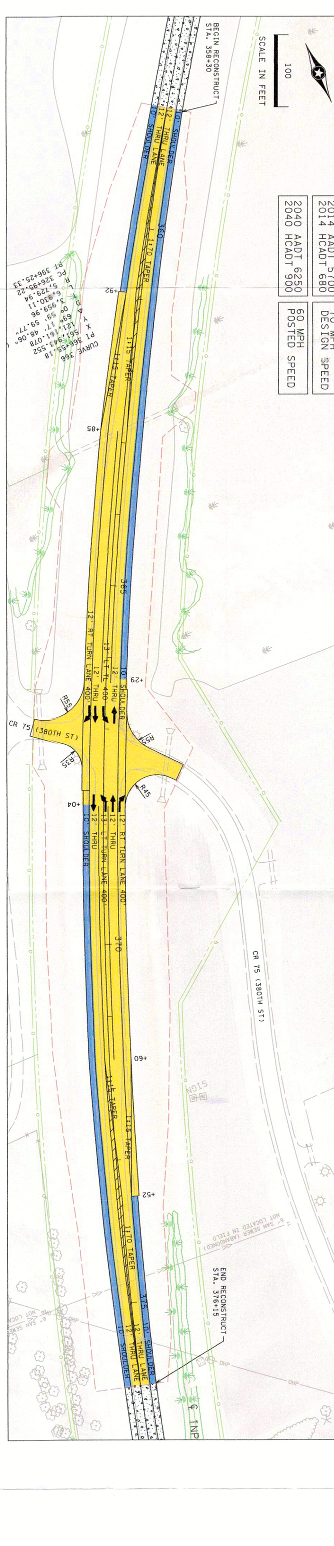


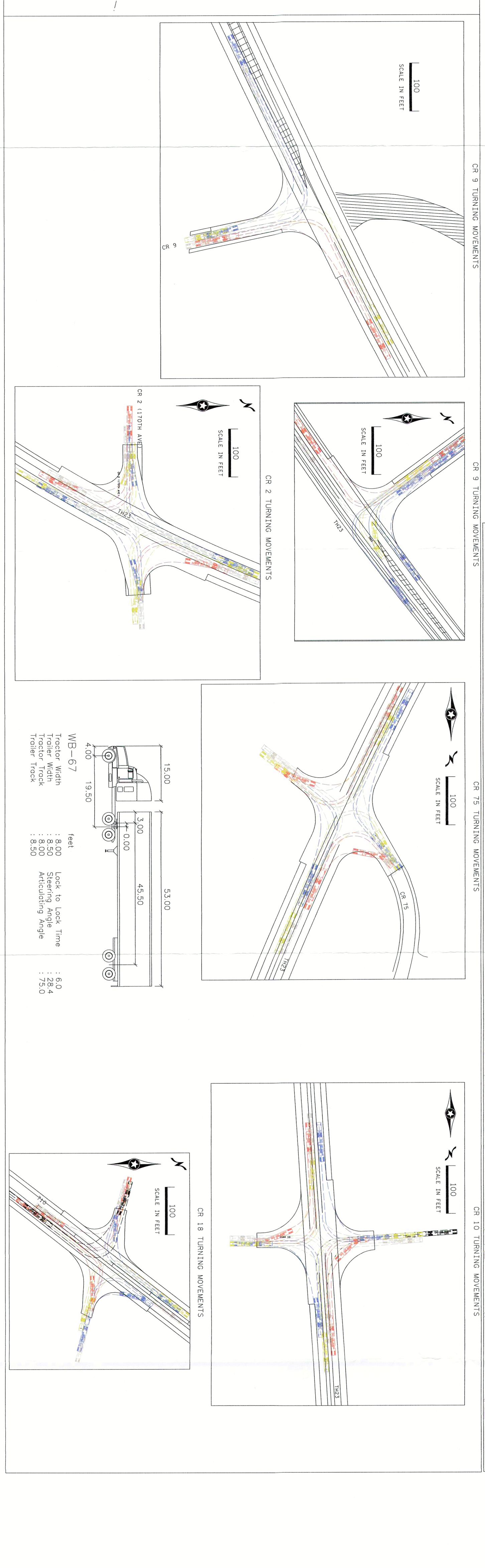


CR2 INSET #4

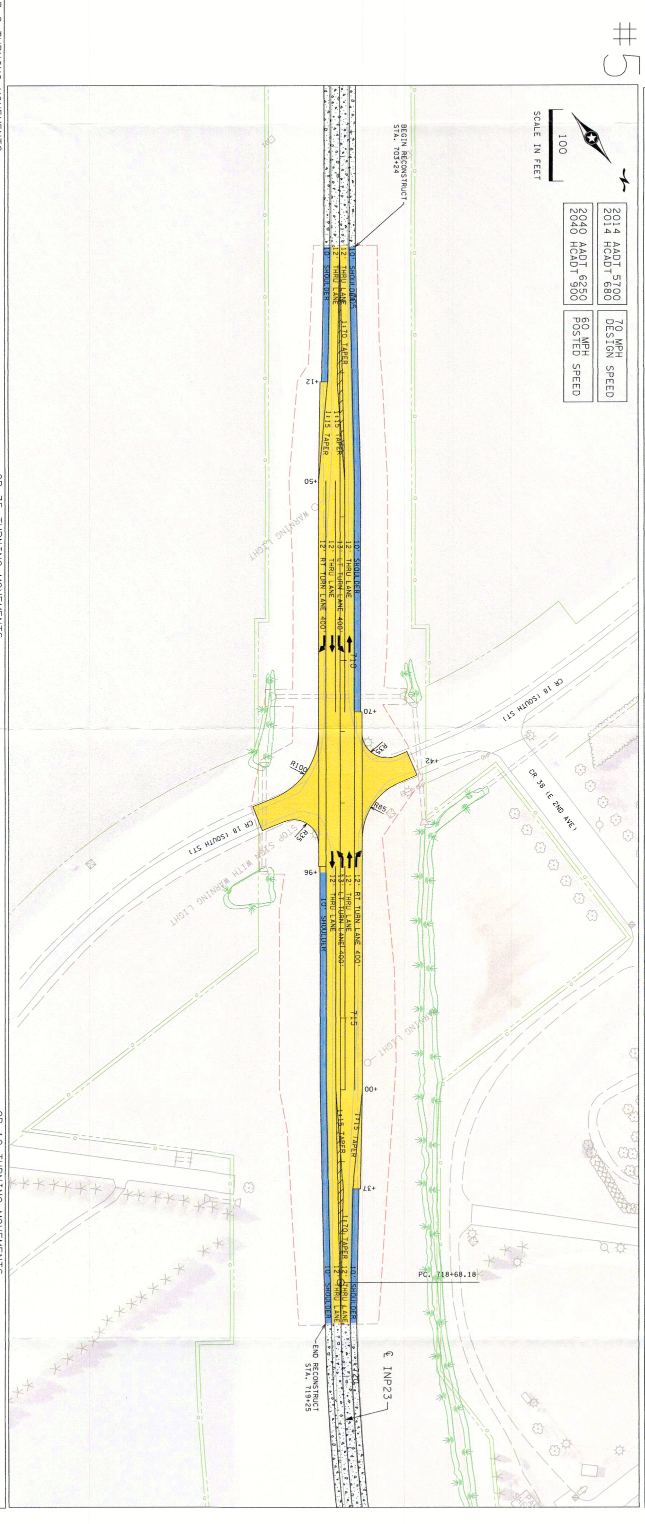
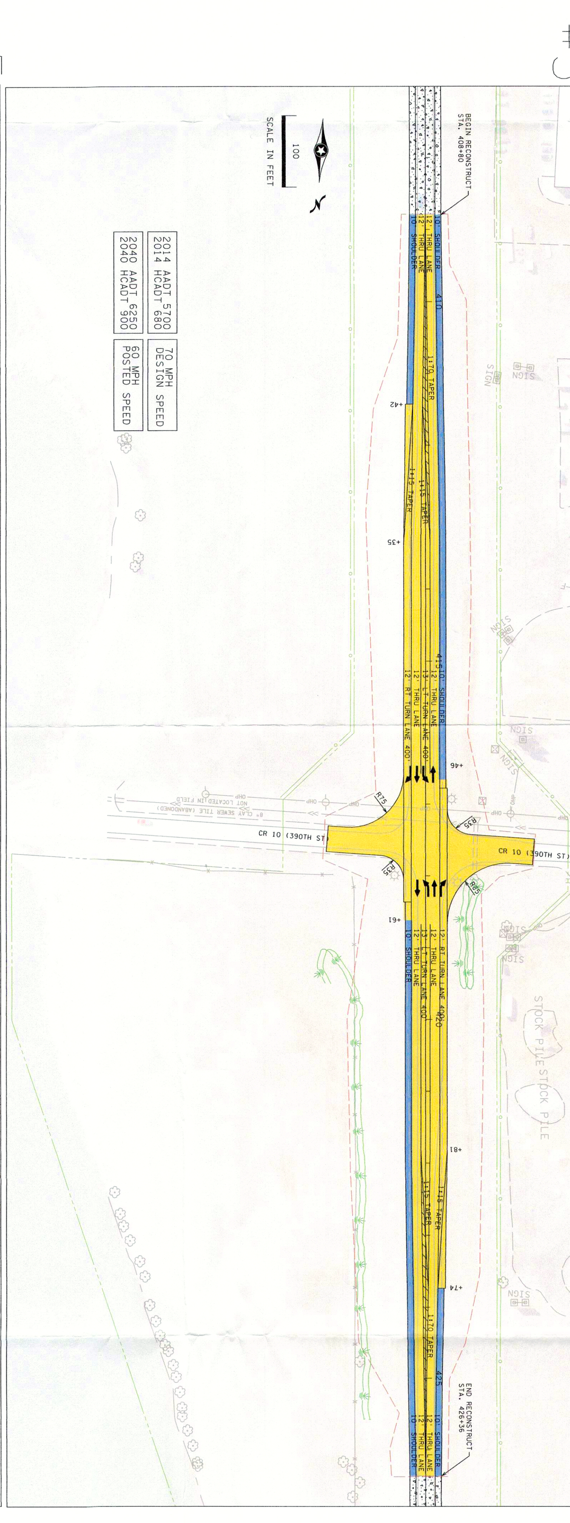


CR75 INSET #2





CR18 INSET #5



CR10 INSET #3