COLLIN COUNTY TOLL ROAD AUTHORITY

CITY OF CELINA
COLLIN COUNTY, TEXAS

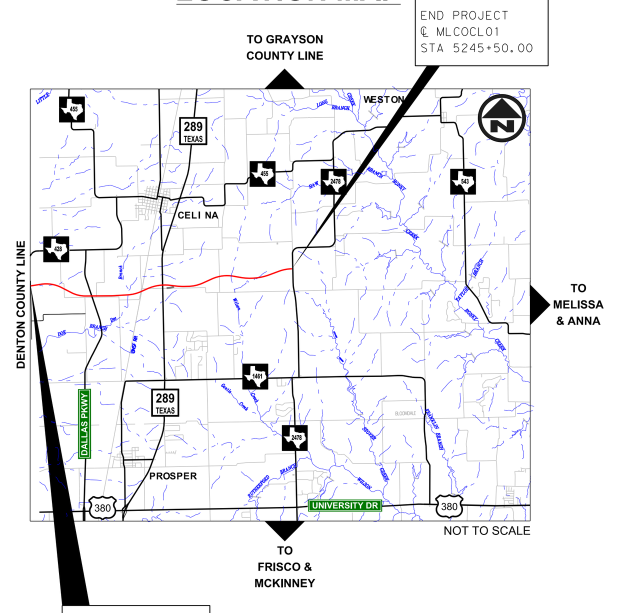
FROM: COLLIN/DENTON COUNTY LINE TO FM 2478
NET PROJECT LENGTH: 32918.73 FT = 6.234 MILES

CONSTRUCTION OF COLLIN COUNTY OUTER LOOP SEGMENT 3 COMPRISING OF TEN-LANE FREEWAY, FRONTAGE ROADS, INTERCHANGES AND RAMPS

ROADWAY FUNCTIONAL CLASSIFICATION:	URBAN FREEWAY
ROADWAY CONSTRUCTION TYPE:	NEW FACILITY
DESIGN SPEED (MAINLANES):	70 MPH
DESIGN SPEED (FRONTAGE ROAD):	50 MPH
DESIGN SPEED (RAMPS):	50 MPH
DESIGN SPEED (CROSS STREETS):	45 MPH
SCHEMATIC SCALE:	HORIZ: 1"=100' VERT: 1"=10'
GOOGLE EARTH IMAGERY DATE:	2018

e max	(%)
OUTER LOOP ML	6
FRONTAGE ROADS	6
RAMPS	6

LOCATION MAP



SCALE (IN FEET)
0 50 100 200
HORIZONTAL/PLAN
0 5 10 20

LEGEND

- FUTURE MAINLANES
- PROPOSED FRONTAGE ROADS
- FUTURE IMPROVEMENTS (BY OTHERS)
- RAMPS / DIRECT CONNECTORS
- CONSTRUCTION (BY OTHERS)
- BRIDGE
- DIRECT CONNECTOR BRIDGE
- DRIVEWAY
- CURBED GORE
- CONCRETE RIPRAP
- COUNTY DEMARCATION
- EXISTING TOPOGRAPHIC FEATURES
- PARCEL LINES
- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- EXISTING RAILROAD RIGHT-OF-WAY
- UTILITY EASEMENT
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY (SEGMENT 3A)
- FUTURE RIGHT-OF-WAY (BY OTHERS)
- PROPOSED EASEMENT
- 100-YR FEMA FLOODPLAIN
- RETAINING WALL
- RETAINING WALL (BY OTHERS)
- GUARD FENCE
- DIRECTION OF TRAVEL
- (LEG EN RMP-2) CURVE NUMBER

NOTES:

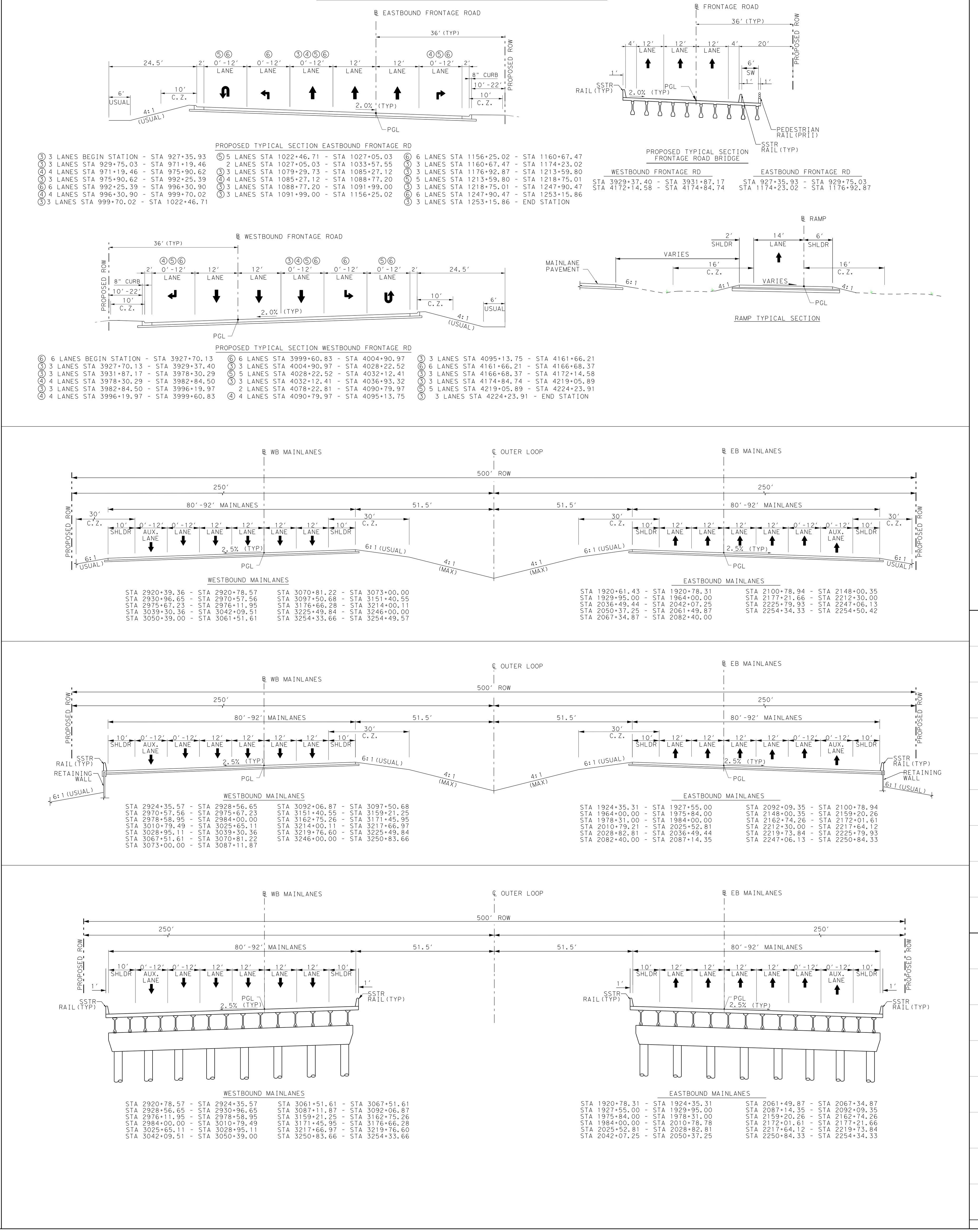
1. ADJACENT DEVELOPMENTS ARE PRELIMINARY, DESIGNED BY OTHERS AND SUBJECT TO CHANGE.
2. SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014 SHALL GOVERN THIS PROJECT.
3. BASIS OF BEARING: TEXAS STATE PLANE COORDINATE SYSTEM, N.A.D. 83 (1993), NORTH CENTRAL ZONE (4202), ALL DISTANCES AND COORDINATES SHOWN HEREIN ARE SCALED FROM 0,0 USING A TXDOT SURFACE ADJUSTMENT FACTOR OF 1.00015271. COORDINATE VALUES DERIVED USING THE WESTERN DATA SYSTEM VRS NETWORK.
4. ALL FUTURE IMPROVEMENTS AND THEIR CORRESPONDING RIGHT-OF-WAY WIDTHS ARE BASED ON COLLIN COUNTY'S THOROUGHFARE PLAN, DATED JANUARY 2018, AND THE CITY OF CELINA'S THOROUGHFARE PLANS, DATED APRIL 2018, AND ARE SUBJECT TO CHANGE.
5. HORIZONTAL AND VERTICAL ALIGNMENTS FOR CROSS STREETS ARE PRELIMINARY AND SUBJECT TO CHANGE.
6. OUTER LOOP DESIGN SHOWN WEST OF COLLIN COUNTY LINE IS ESTIMATED AND DEPENDENT ON FUTURE DESIGN DEVELOPED BY OTHERS.
7. THE INTERCHANGES AT DALLAS NORTH TOLLWAY AND PRESTON ROAD ARE CONCEPTUAL DESIGNS. DALLAS NORTH TOLLWAY AND OUTER LOOP WERE CONSIDERED GRADE SEPARATED AT THE SECOND AND THIRD LEVELS RESPECTIVELY.
8. TRAFFIC DATA USED DURING DESIGN DEVELOPMENT IS PRELIMINARY.
9. DESIGN AT DOE BRANCH TRIBUTARY WAS BASED ON PRELIMINARY HYDRAULIC DATA AND SHALL REQUIRE FURTHER ANALYSIS IN THE NEXT DESIGN PHASE.
10. 100 YEAR FLOOD PLAIN LIMITS WERE OBTAINED FROM FEMA FLOOD MAPS AND NATIONAL FLOOD HAZARD LAYER VERSION 3.0.
11. FRONTAGE ROAD PROFILES ARE LOCATED IN ROLLS 7 AND 8.
12. CONTROL OF ACCESS TO BE DETERMINED THROUGH PERMIT PROCESS.
13. NEW EXIT AND ENTRANCE RAMPS ARE DESIGN TO MEET THE DESIRABLE SPACING BETWEEN RAMPS AND DRIVEWAYS, SIDE STREETS OR CROSS STREETS. WHEN THE DESIRABLE SPACING CAN NOT BE ACHIEVED, CHANNELIZATION METHODS WILL BE IMPLEMENTED IN FINAL DESIGN.

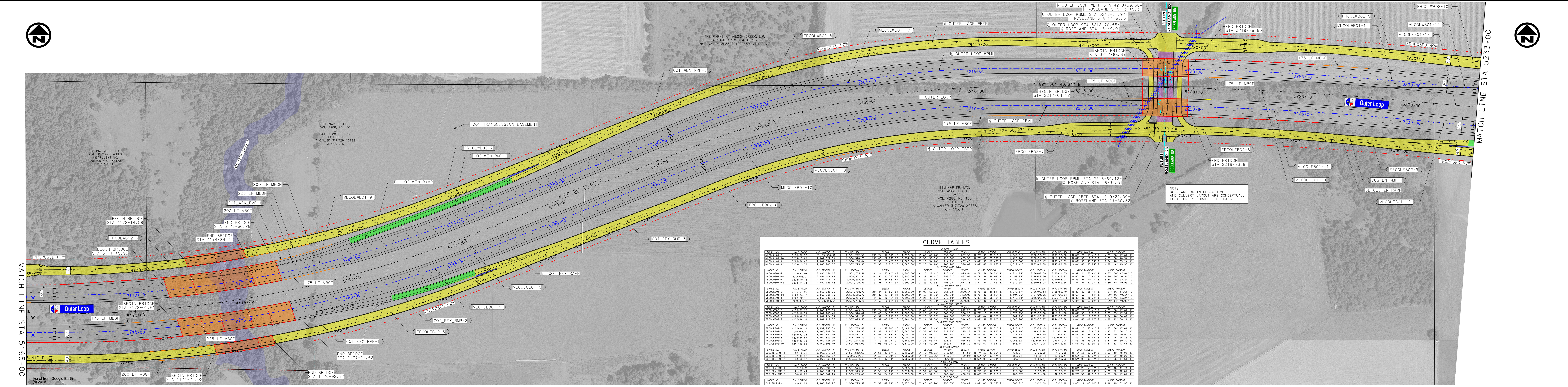
JACOBS
1999 BRYAN STREET, SUITE 1200
DALLAS, TEXAS 75201
P 214.638.0145 I F 214.638.0447
TBPE FIRM NO. F-2966

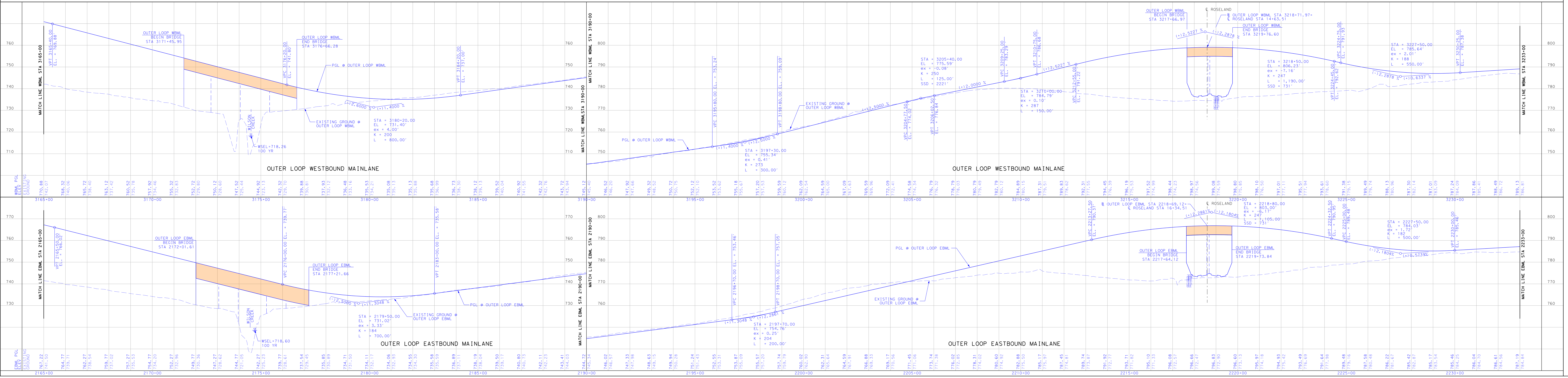
SCHEMATIC PREPARED BY:
JACOBS ENGINEERING GROUP INC
REGISTRATION NUMBER 2966
NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
JESUS GONZALEZ JR. 111427
NAME P.E. NUMBER
10/01/2019
DATE

ROLL 5 OF 9

PROPOSED ULTIMATE TYPICAL SECTIONS



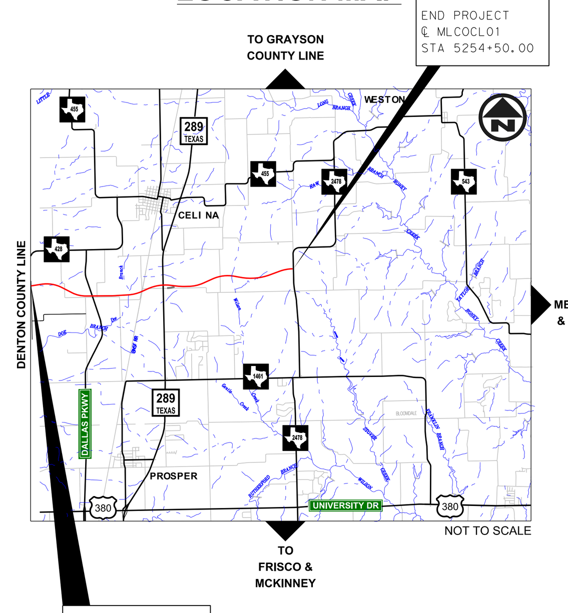




COLLIN COUNTY TOLL ROAD AUTHORITY

CITY OF CELINA
COLLIN COUNTY, TEXAS

LOCATION MAP



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