

\$TIMES
\$DAYS

\$WFILES

Lochner
TBE Firm Reg. No. 10488

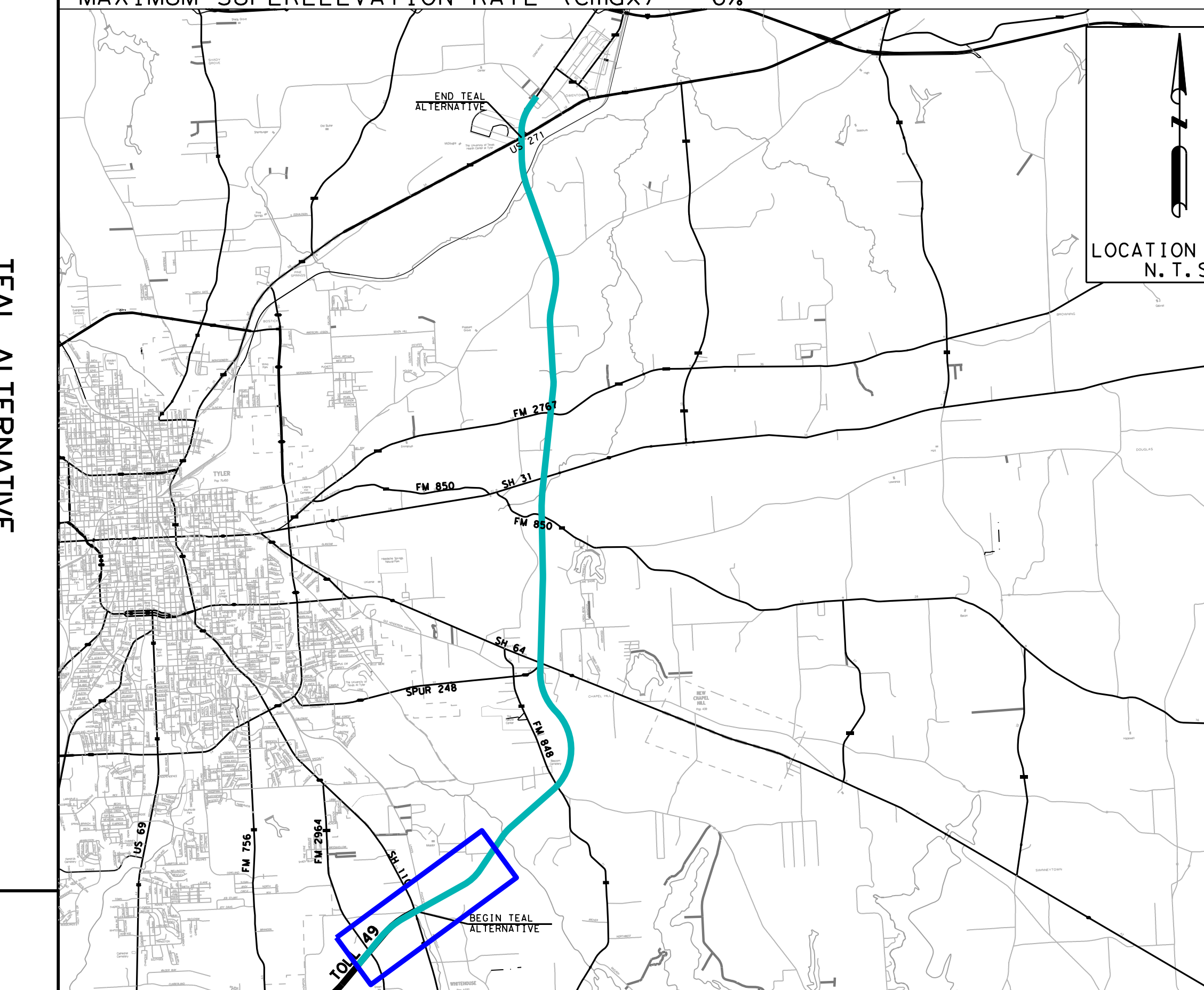
TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
ROLL 1 OF 6

NET RMA
North East Texas
Regional Mobility Authority

NORTH EAST TEXAS REGIONAL MOBILITY AUTHORITY TEAL ALTERNATIVE TOLL 49 SEGMENT 6 FROM SH 110 TO US 271

NET LENGTH:
63,054.00 FEET = 11.942 MILES

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAIN LANES	RURAL FREEWAY	70 MPH
RAMPS (TYPICAL)	RAMPS	50 MPH (USUAL) 35 MPH (MIN)
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
LOOP RAMPS	RAMPS	20 MPH
MAXIMUM SUPERELEVATION RATE (emax) = 6%		



PRELIMINARY
SUBMITTED FOR REVIEW
ENGINEER: JON & JOHNSON
P.E. No. 53172 Date: 03-2025
SYNOPSIS
NET FOR CONSTRUCTION, BIDDING
OR PERMITTING

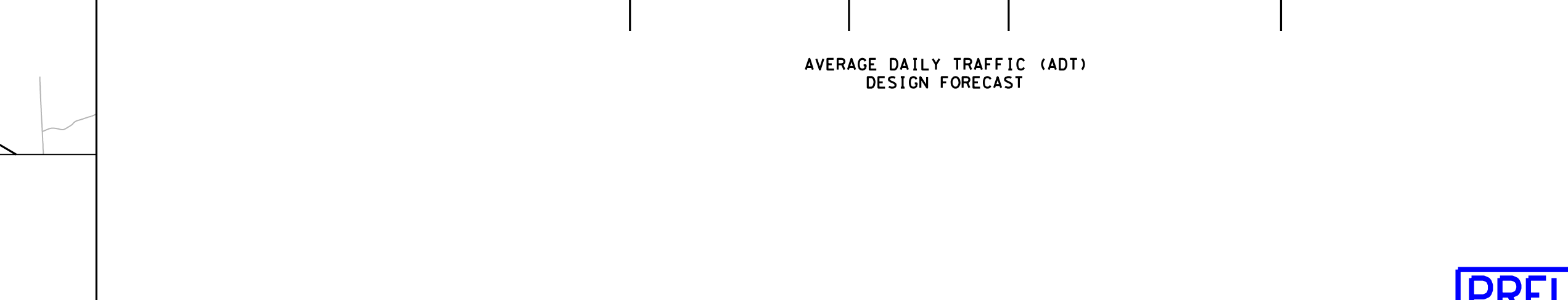
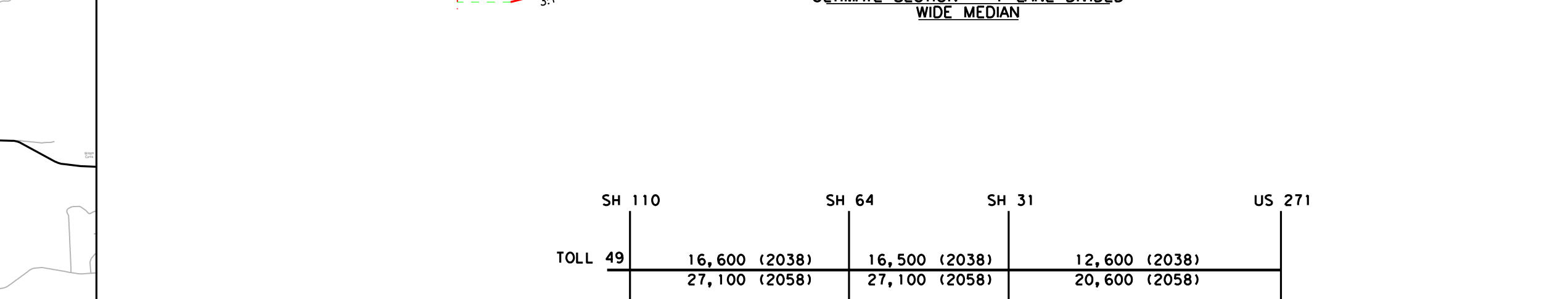
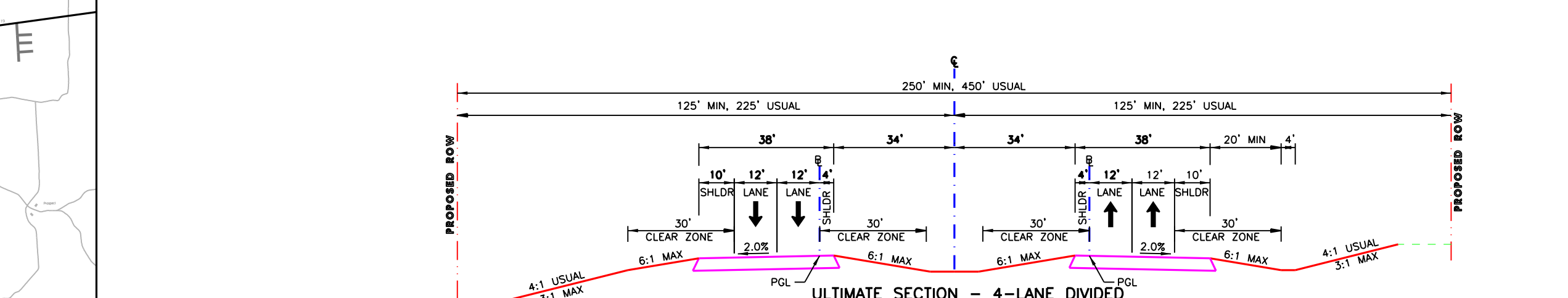
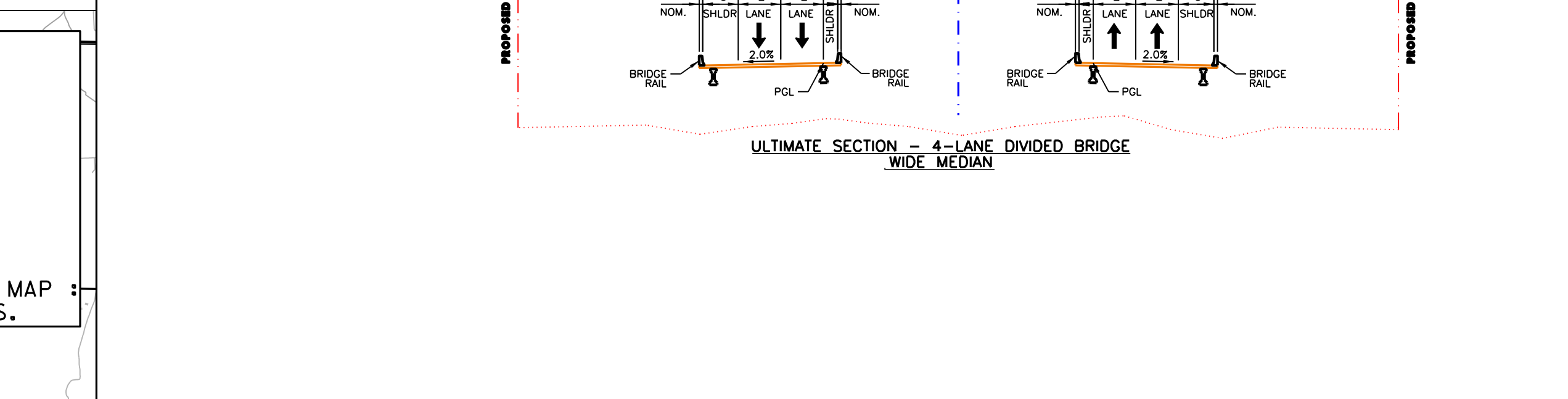
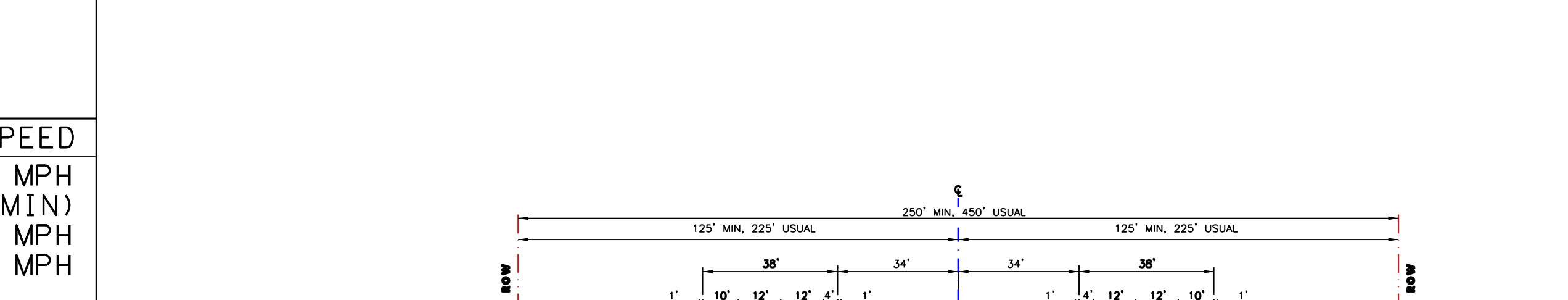
EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: UNION
PACIFIC

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2024
TXDOT HYDRAULIC DESIGN MANUAL: 2019
TRB HIGHWAY CAPACITY MANUAL: 2022
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2011 Rev(2014)

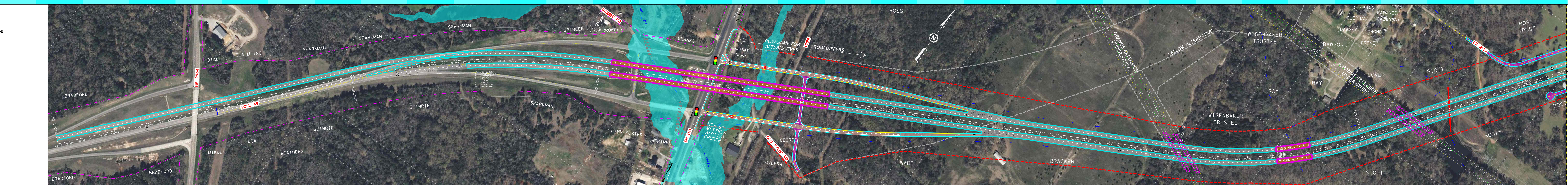
HORIZ SCALE: 1"=200'

0 100 200 400

- LEGEND:
- EXISTING ROW OR PARCEL BOUNDARY
 - PROPOSED RIGHT-OF-WAY
 - TRAFFIC LANE
 - EXISTING SIGNAL
 - 100-YEAR FEMA FLOODPLAIN
 - NHD WATERBODY
 - NHD FLOWLINE
 - DRAINAGE FLOW
 - 100 WSEL
 - PROPOSED MAIN LANES
 - PROPOSED RAMPS
 - PROPOSED ACCESS AND SIDE ROADS
 - PROPOSED BRIDGES



PRELIMINARY
SUBJECT TO CHANGE



NET RMA
North East Texas
Regional Mobility Authority

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
DESIGN SCHEMATIC
ROLL 1 OF 6

Lochner
TBE Firm Reg. No. 10488

\$TIMES
\$DAYS

\$WFILES

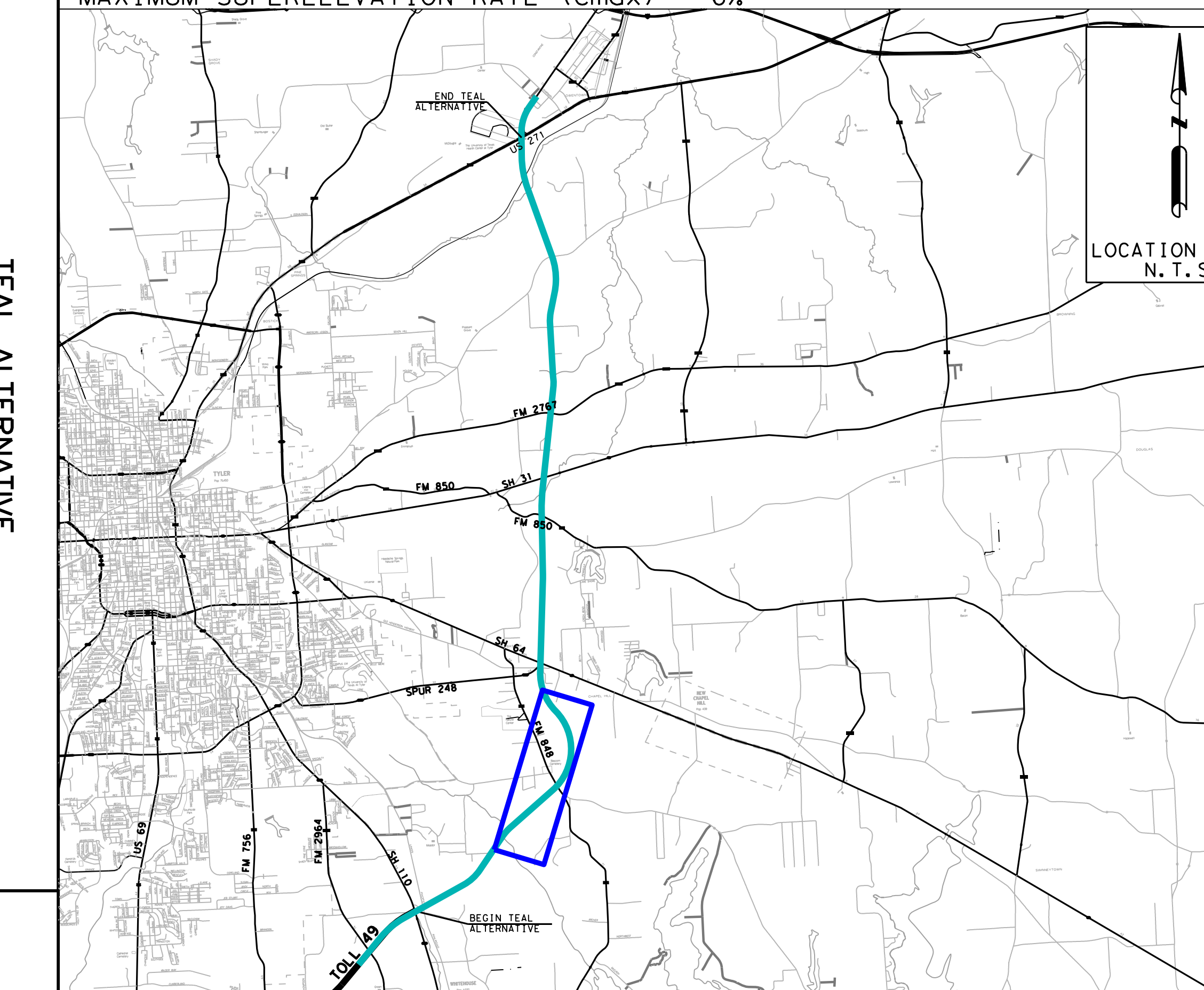
Lochner
TBE Firm Reg. No. 10488

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
ROLL 2 OF 6

NET RMA
North East Texas
Regional Mobility Authority

NORTH EAST TEXAS REGIONAL MOBILITY AUTHORITY TEAL ALTERNATIVE TOLL 49 SEGMENT 6 FROM SH 110 TO US 271

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAIN LANES	RURAL FREEWAY	70 MPH
RAMPS (TYPICAL)	RAMPS	50 MPH (USUAL) 35 MPH (MIN)
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
LOOP RAMPS	RAMPS	20 MPH
MAXIMUM SUPERELEVATION RATE (emax) = 6%		



PRELIMINARY
SUBMITTED FOR REVIEW
ENGINEER: JON L. JOHNSON
P.E. No. 1-53172 Date: 03-2020
SYNOPSIS
NET FOR CONSTRUCTION, BIDDING
OR PERMITTING

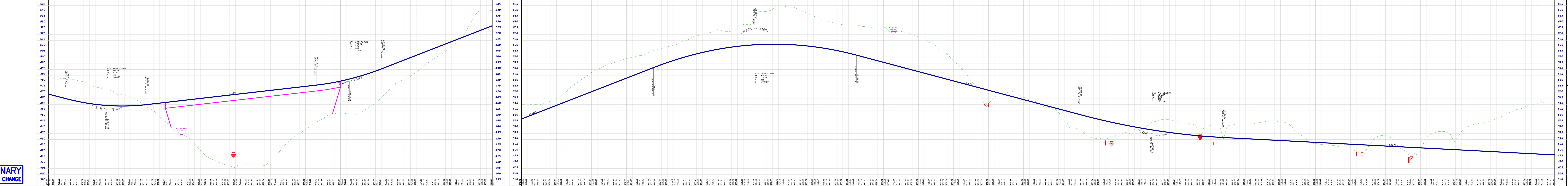
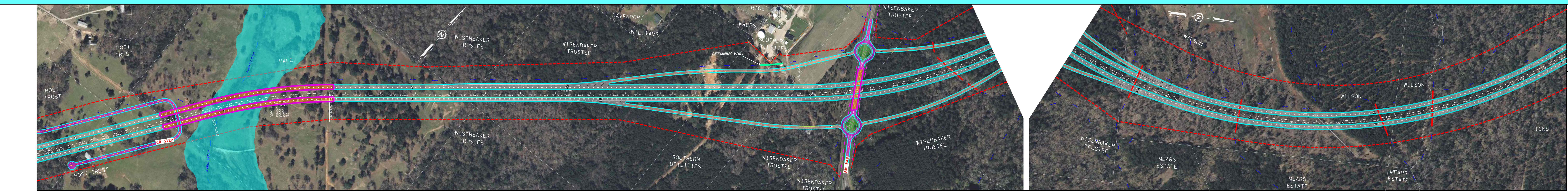
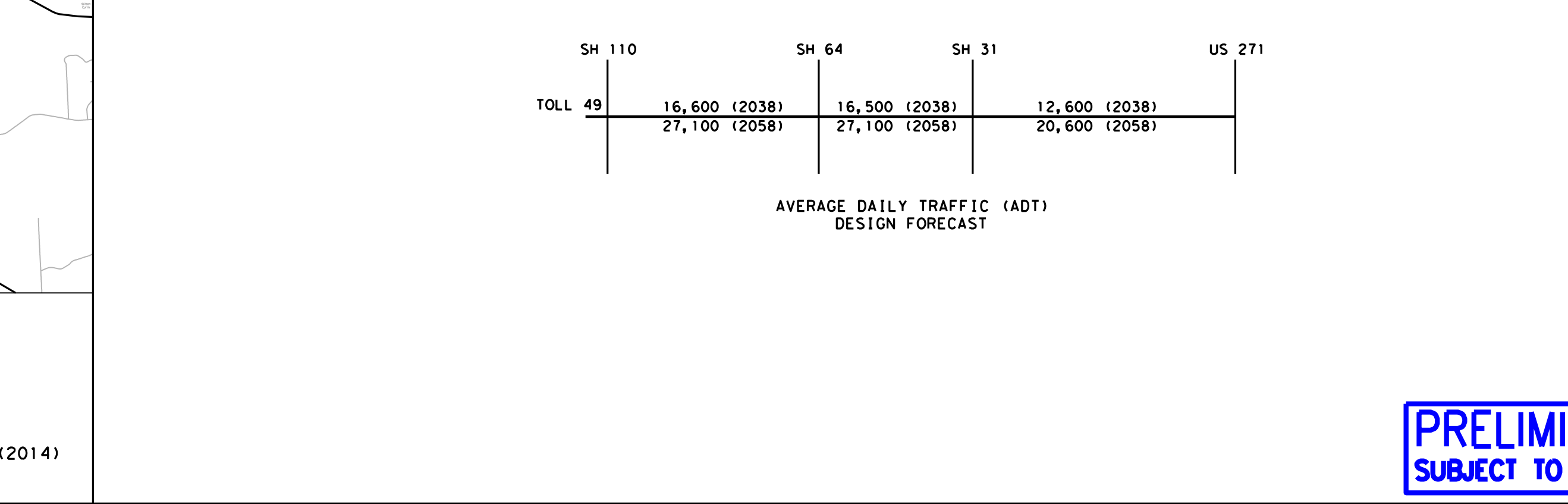
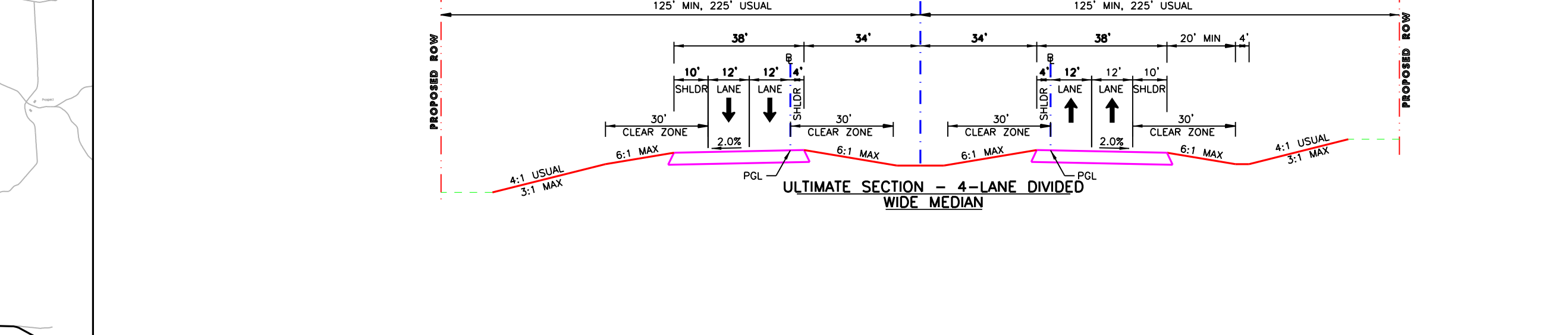
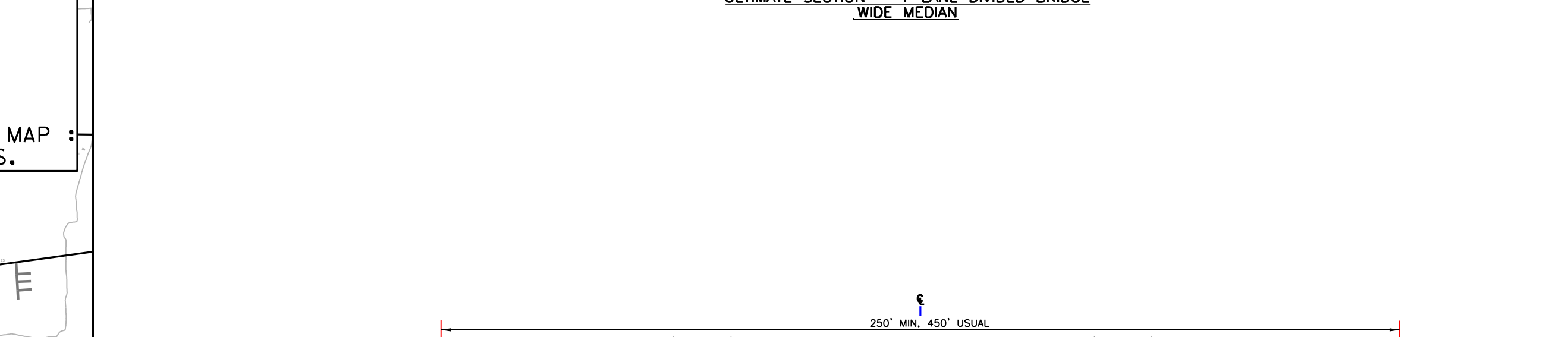
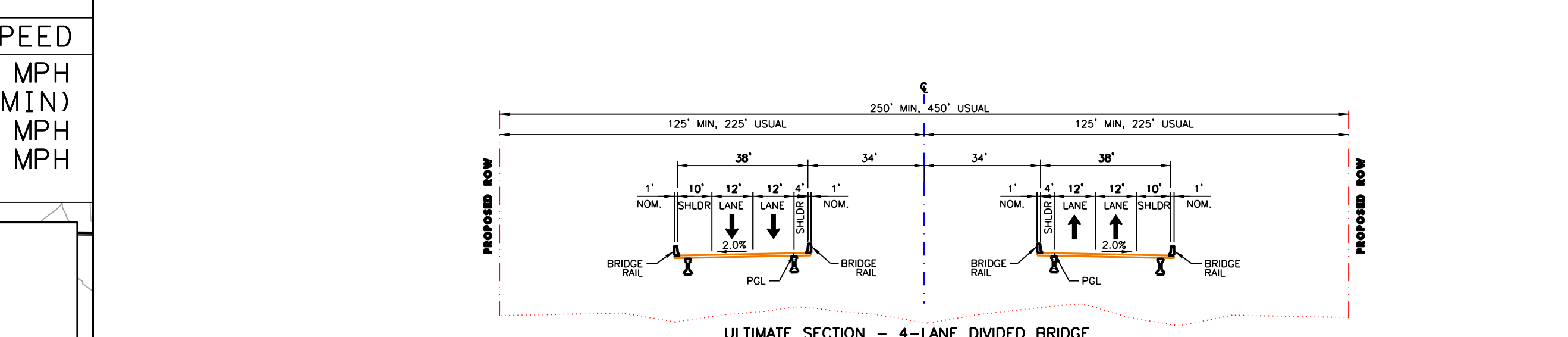
EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: UNION
PACIFIC

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2024
TXDOT HYDRAULIC DESIGN MANUAL: 2019
TRB HIGHWAY CAPACITY MANUAL: 2022
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2011 Rev(2014)

HORIZ SCALE: 1"=200'

0 100 200 400

- LEGEND:
- EXISTING ROW OR PARCEL BOUNDARY
 - PROPOSED RIGHT-OF-WAY
 - TRAFFIC LANE
 - EXISTING SIGNAL
 - 100-YEAR FEMA FLOODPLAIN
 - NHD WATERBODY
 - NHD FLOWLINE
 - DRAINAGE FLOW
 - 100 WSEL
 - PROPOSED MAIN LANES
 - PROPOSED RAMPS
 - PROPOSED ACCESS AND SIDE ROADS
 - PROPOSED BRIDGES



NET RMA
North East Texas
Regional Mobility Authority

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
ROLL 2 OF 6

Lochner
TBE Firm Reg. No. 10488

\$TIMES
\$DAYS

\$HOURS
\$FILES

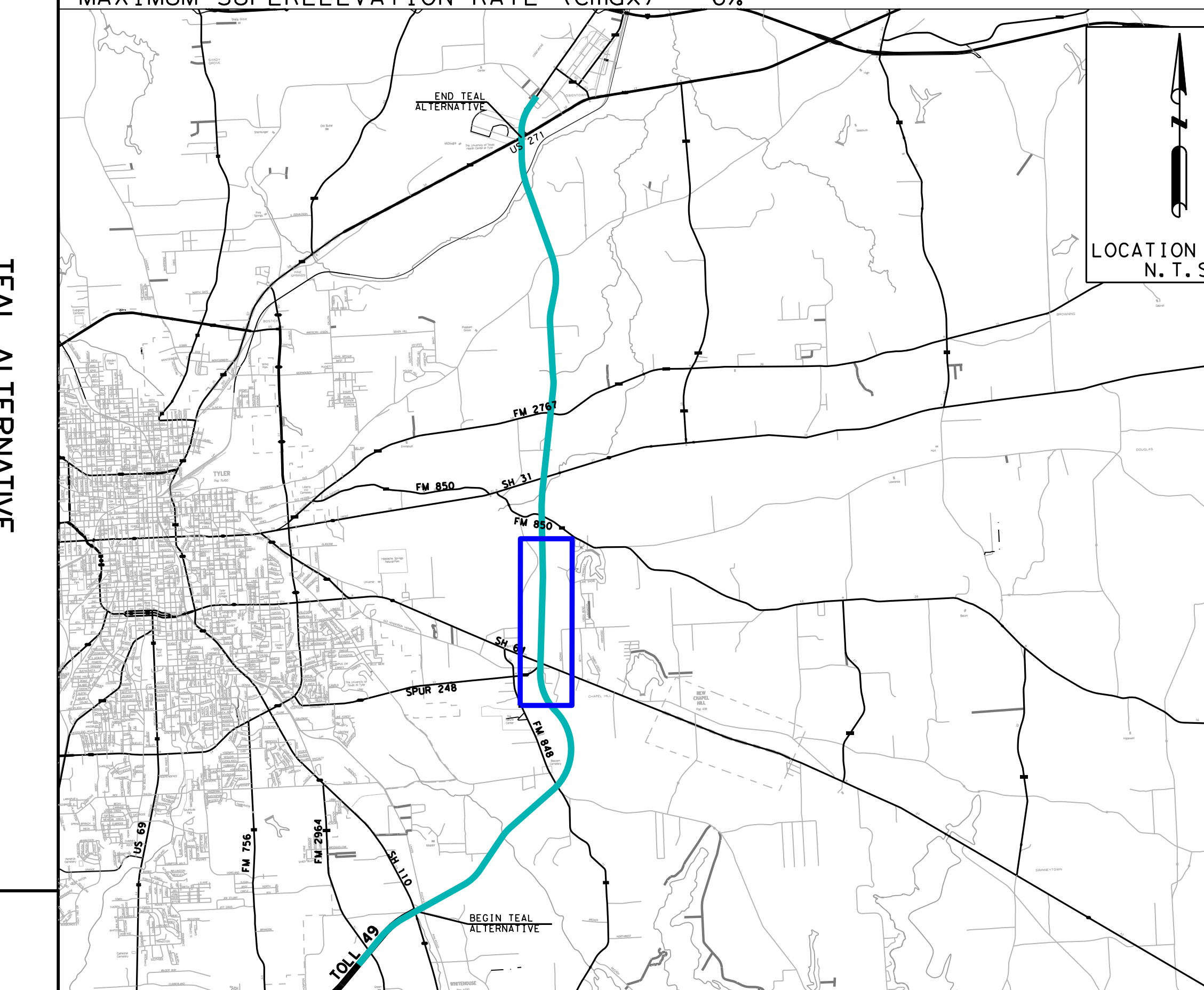
Lochner
TBE Firm Reg. No. 10488

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
ROLL 3 OF 6

NET RMA
Regional Mobility Authority

NORTH EAST TEXAS REGIONAL MOBILITY AUTHORITY TEAL ALTERNATIVE TOLL 49 SEGMENT 6 FROM SH 110 TO US 271

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
RAMPS (TYPICAL)	RURAL	50 MPH (USUAL) 35 MPH (MIN)
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
LOOP RAMPS	RAMPS	20 MPH
MAXIMUM SUPERELEVATION RATE (emax) = 6%		



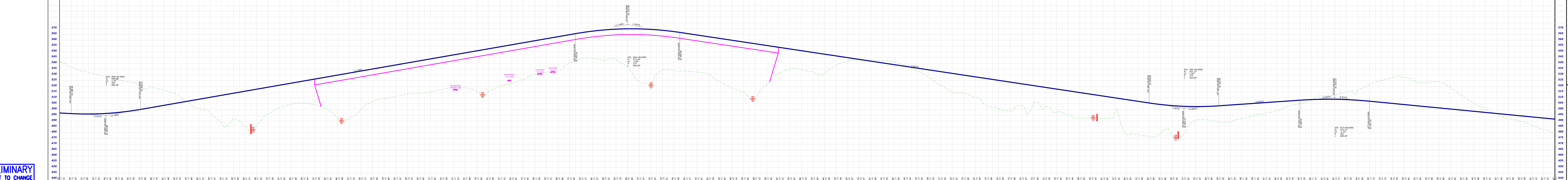
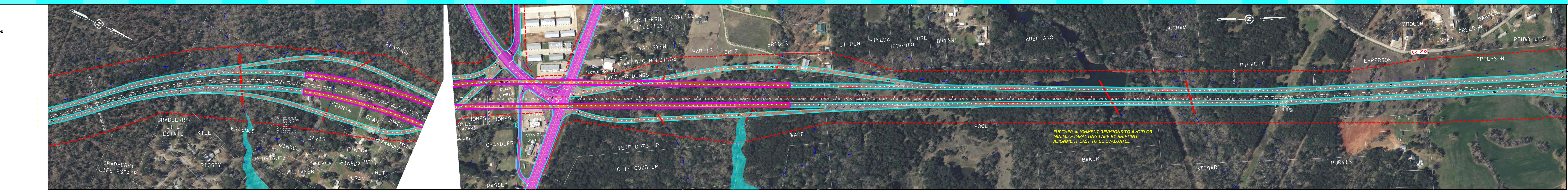
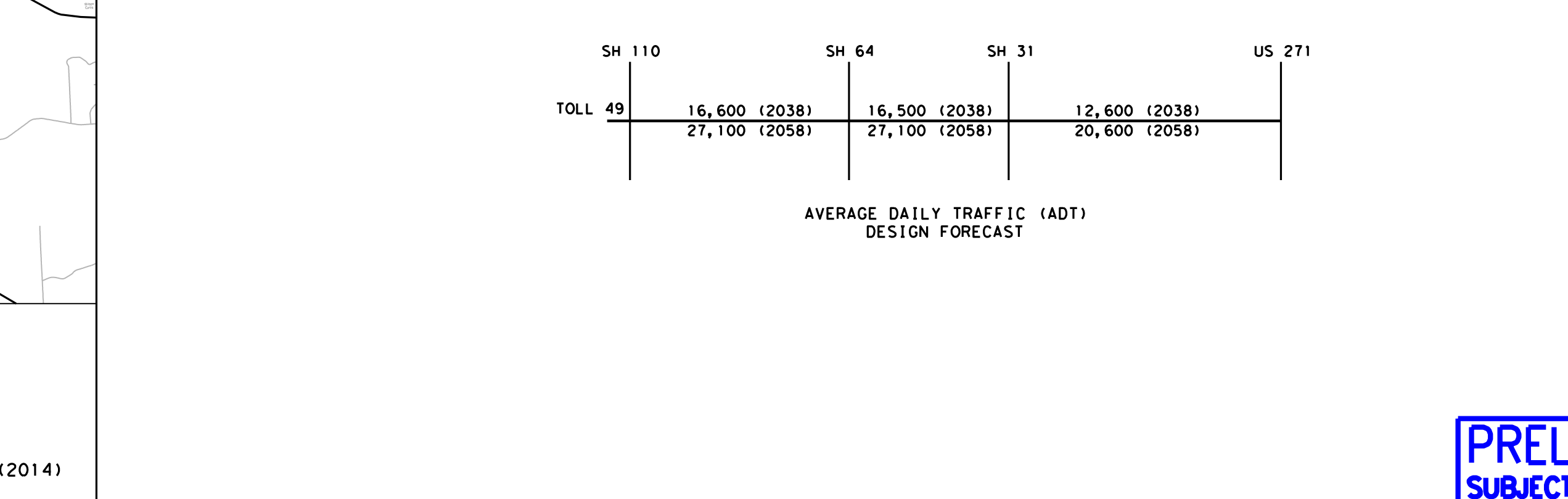
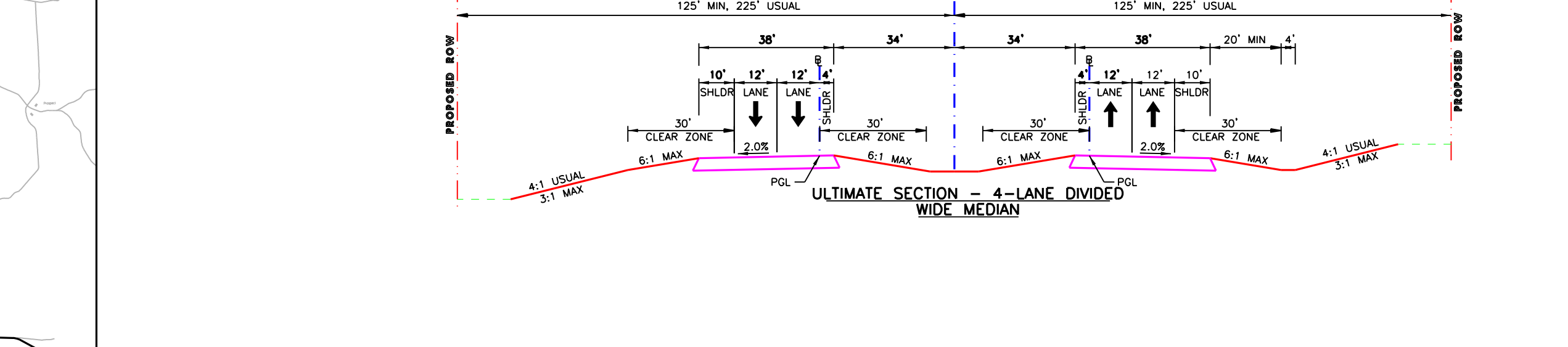
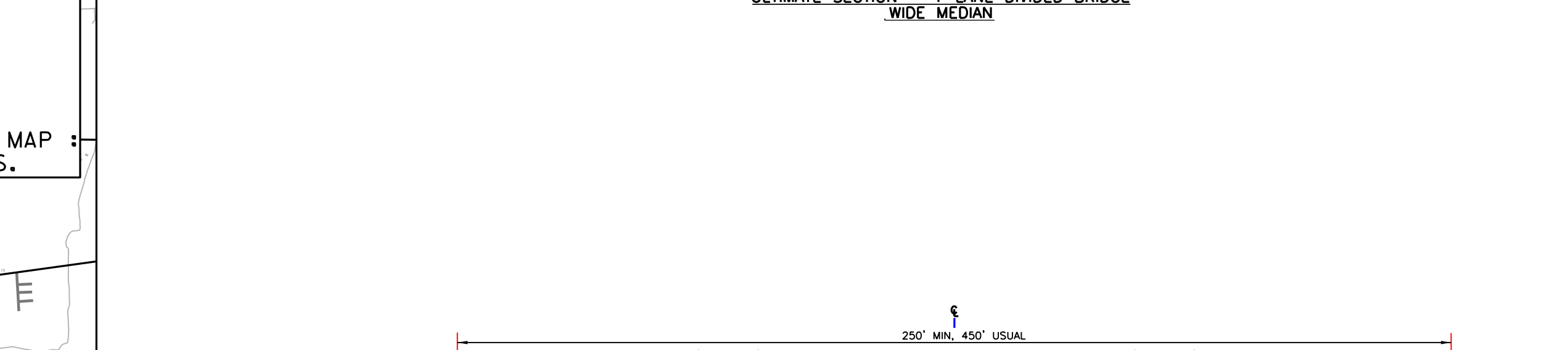
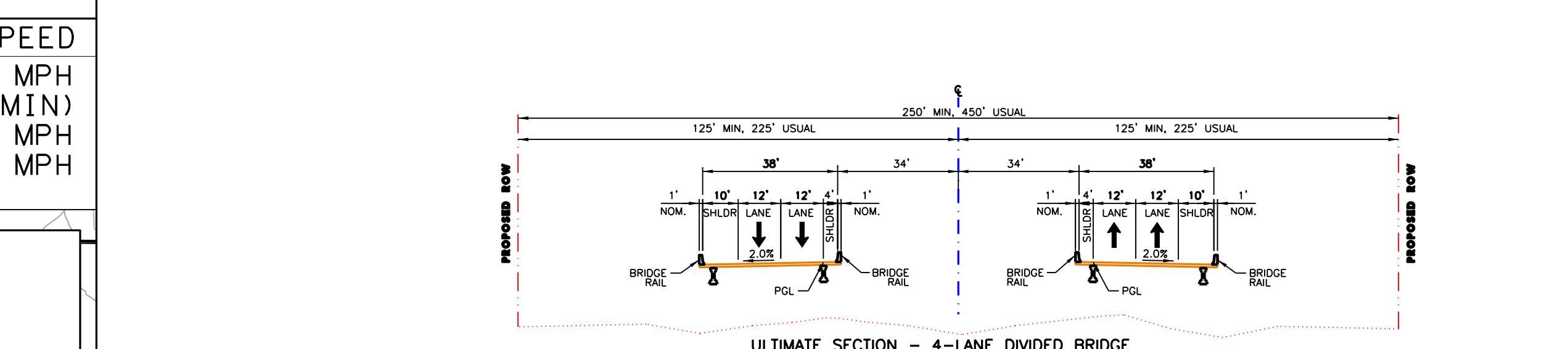
PRELIMINARY
SUBMITTED FOR REVIEW
PROJECT: TEAL ALTERNATIVE
P.E. No. 1-53172 Date: 03-2024
SIGNED: [Signature]
NET FOR CONSTRUCTION, BIDDING
OR PERMITTING

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: UNION
PACIFIC

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2024
TXDOT HYDRAULIC DESIGN MANUAL: 2019
TRB HIGHWAY CAPACITY MANUAL: 2022
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2011 Rev(2014)

HORIZ SCALE: 1"=200'
0 100 200 400

- LEGEND:
- EXISTING ROW OR PARCEL BOUNDARY
 - PROPOSED RIGHT-OF-WAY
 - TRAFFIC LANE
 - EXISTING SIGNAL
 - 100-YEAR FEMA FLOODPLAIN
 - NHD WATERBODY
 - NHD FLOWLINE
 - DRAINAGE FLOW
 - 100 WSEL
 - PROPOSED MAINLANES
 - PROPOSED RAMPS
 - PROPOSED ACCESS AND SIDE ROADS
 - PROPOSED BRIDGES



NET RMA
Regional Mobility Authority

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
DESIGN SCHEMATIC
ROLL 3 OF 6

Lochner
TBE Firm Reg. No. 10488

\$TIMES
\$DAYS

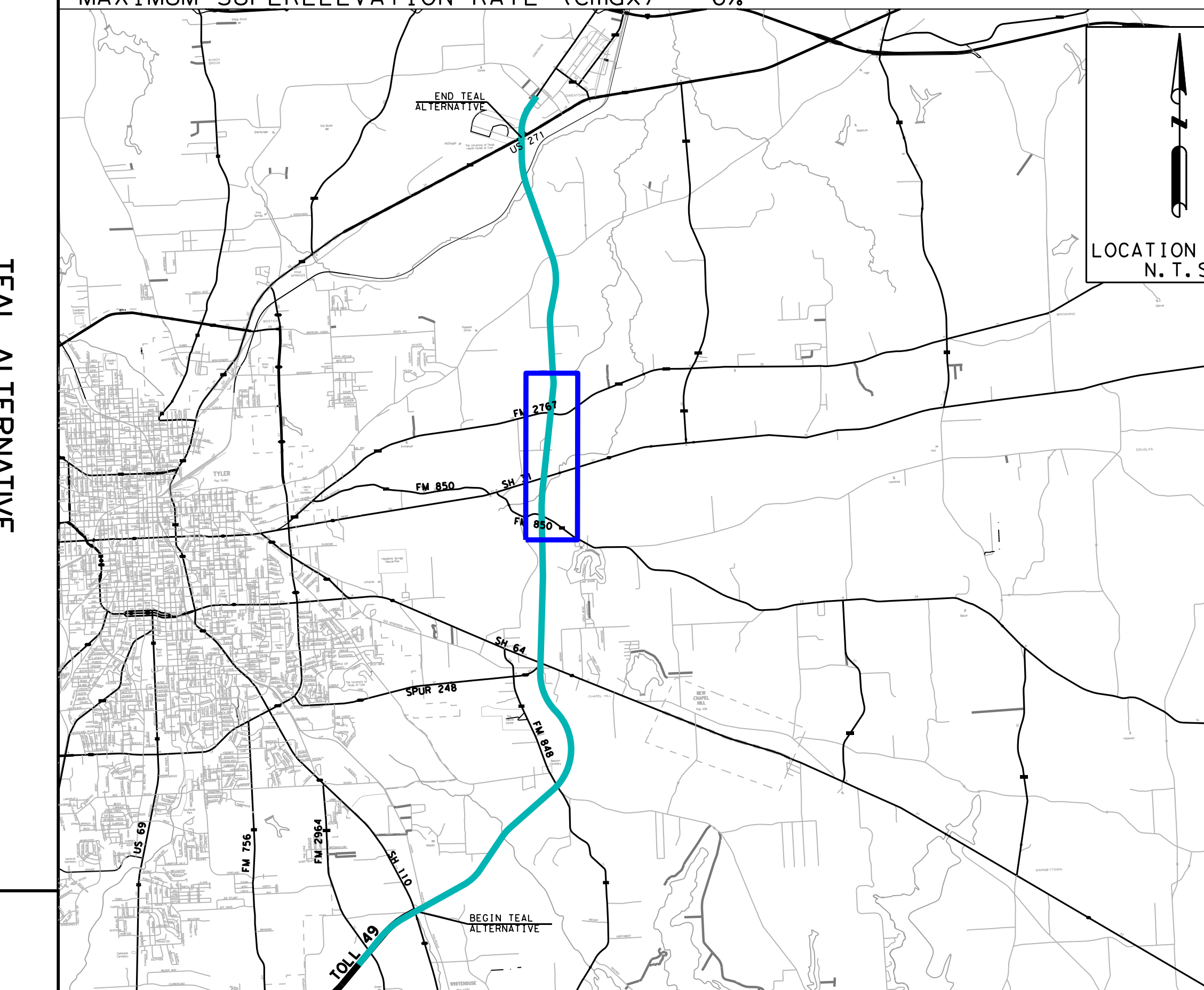
TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
ROLL 4 OF 6

\$0 FILES



NORTH EAST TEXAS REGIONAL MOBILITY AUTHORITY TEAL ALTERNATIVE TOLL 49 SEGMENT 6 FROM SH 110 TO US 271

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAIN LANES	RURAL FREEWAY	70 MPH
RAMPS (TYPICAL)	RAMPS	50 MPH (USUAL) 35 MPH (MIN)
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
LOOP RAMPS	RAMPS	20 MPH
MAXIMUM SUPERELEVATION RATE (emax) = 6%		



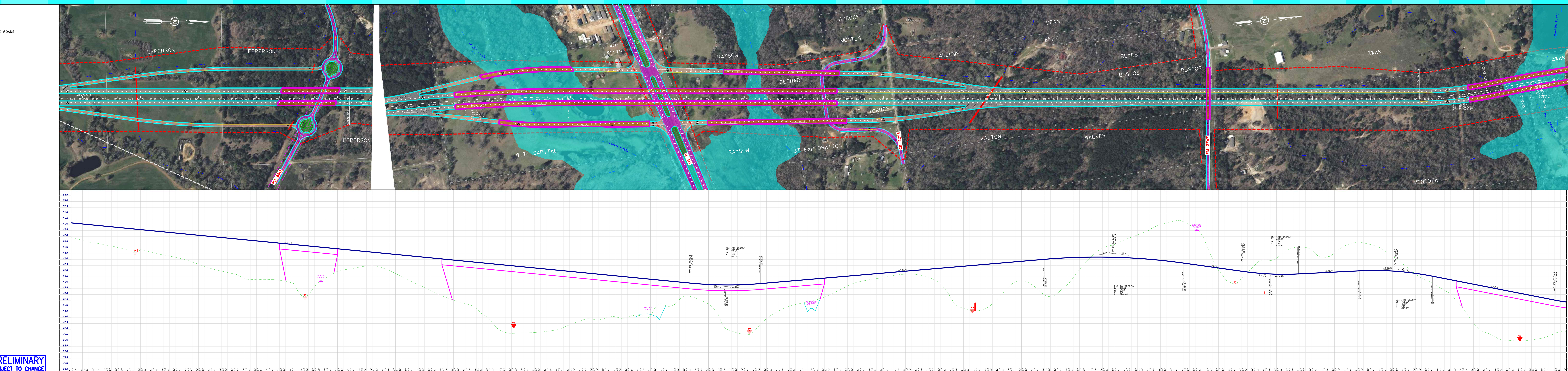
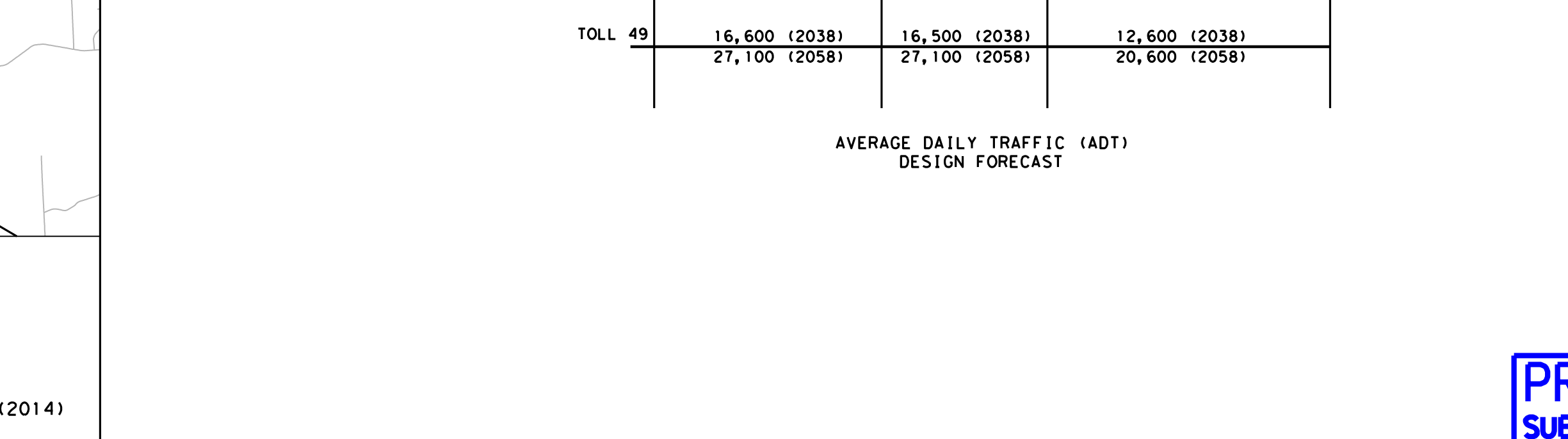
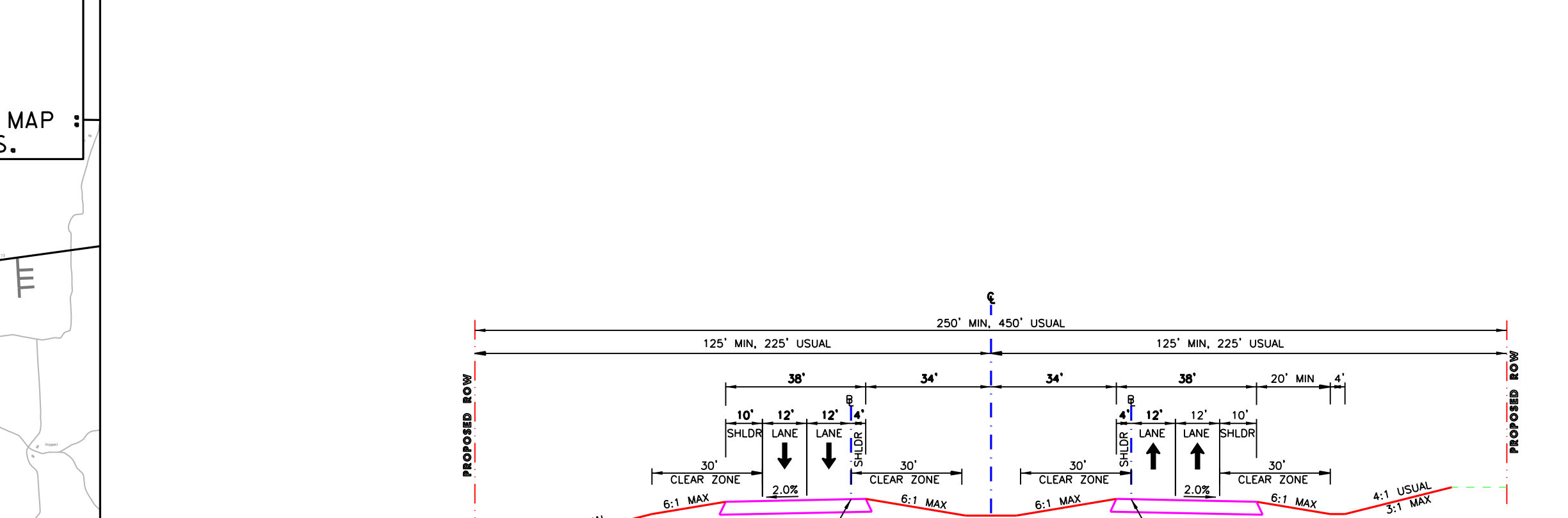
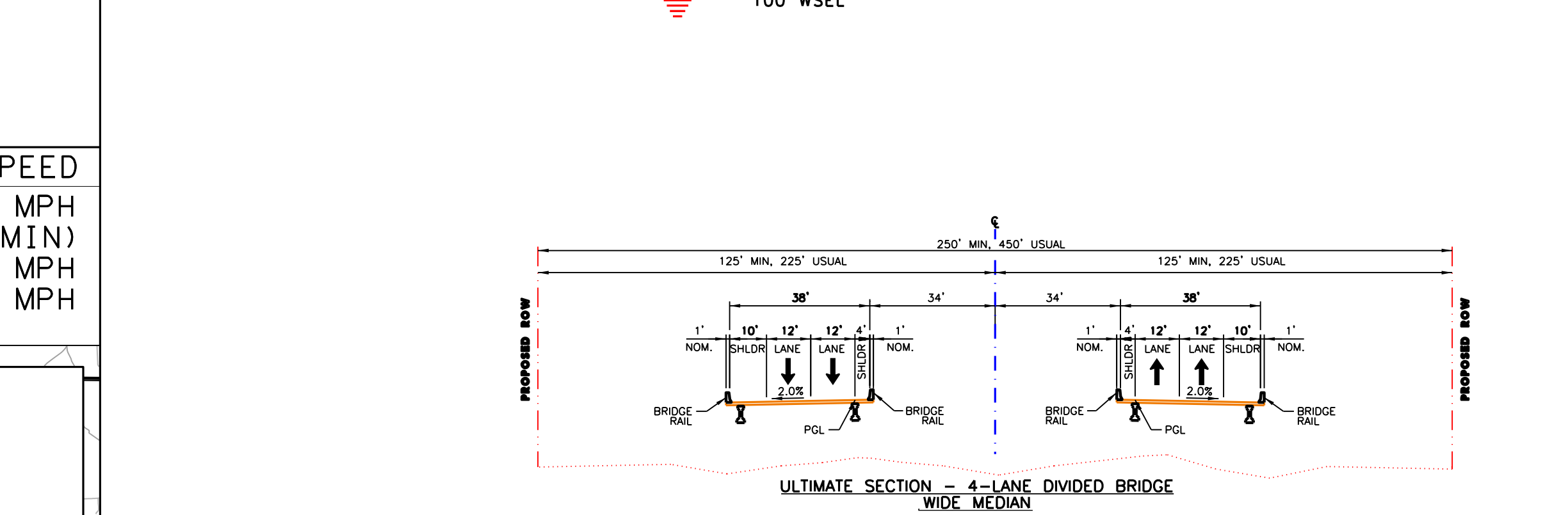
PRELIMINARY
SUBMITTED FOR REVIEW
PROJECT: **TEAL ALTERNATIVE**
P.L. NO.: **53172** DATE: **03/20/24**
BY: **SP/04/04**
NET FOR CONSTRUCTION, BIDDING
OR PERMITTING

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: NONE
PACIFIC

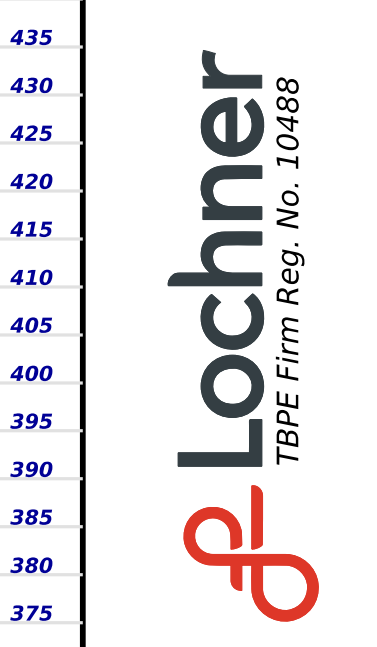
HORIZ SCALE: 1"=200'
0 100 200 400

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2024
TXDOT HYDRAULIC DESIGN MANUAL: 2019
TRB HIGHWAY CAPACITY MANUAL: 2022
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2011 Rev (2014)

- LEGEND:**
- EXISTING ROW OR PARCEL BOUNDARY
 - PROPOSED RIGHT-OF-WAY
 - TRAFFIC LANE
 - EXISTING SIGNAL
 - 100-YEAR FEMA FLOODPLAIN
 - NHD WATERBODY
 - NHD FLOWLINE
 - DRAINAGE FLOW
 - 100 WSEL
 - PROPOSED MAIN LANES
 - PROPOSED RAMPS
 - PROPOSED ACCESS AND SIDE ROADS
 - PROPOSED BRIDGES



TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
DESIGN SCHEMATIC
ROLL 4 OF 6



\$TIMES
\$DAYS

\$70 FILES

Lochner
TBE Firm Reg. No. 10488

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
ROLL 5 OF 6

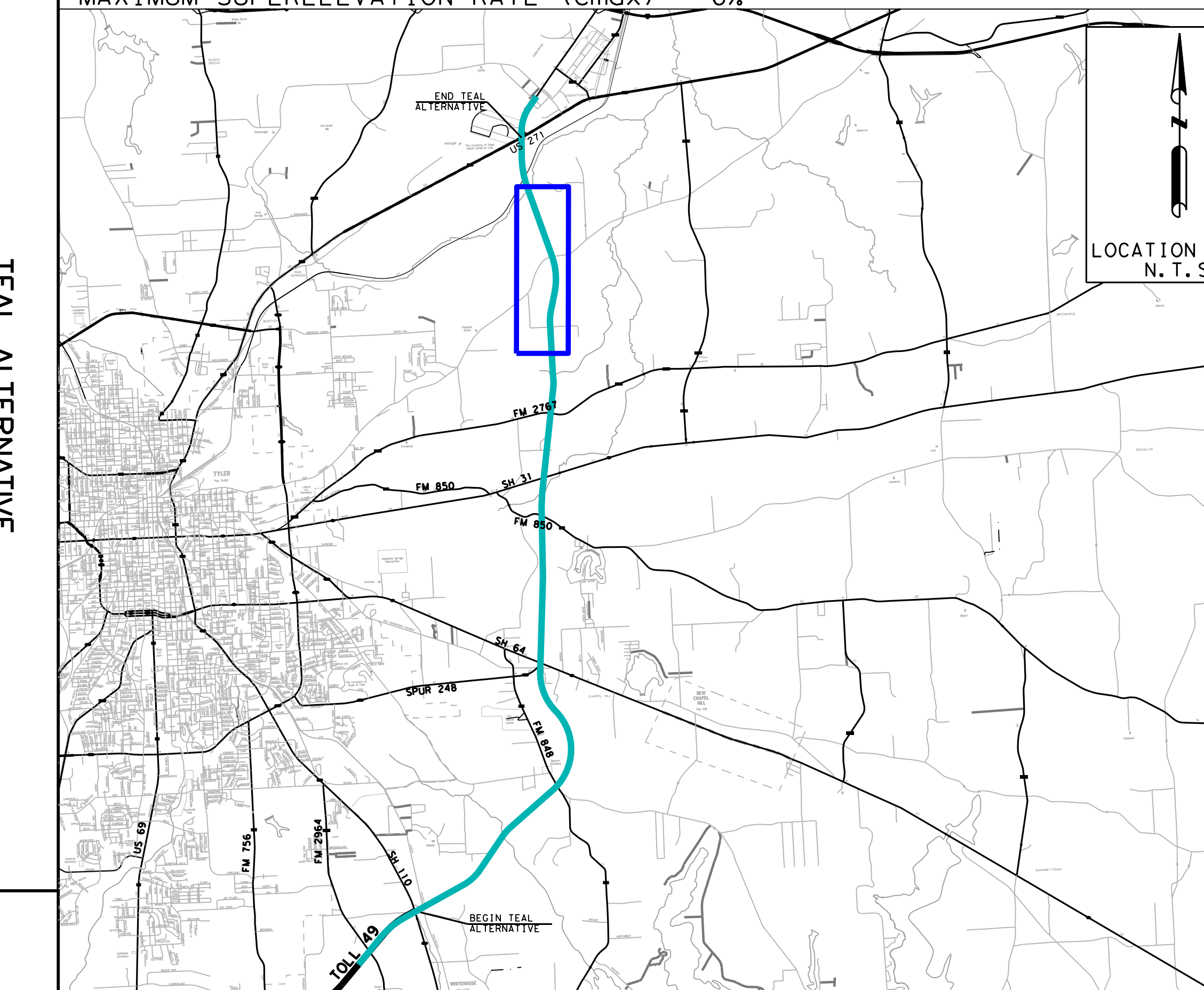
NET RMA
North East Texas
Regional Mobility Authority

NORTH EAST TEXAS REGIONAL MOBILITY AUTHORITY TEAL ALTERNATIVE TOLL 49 SEGMENT 6 FROM SH 110 TO US 271

NET LENGTH:
63,054.00 FEET = 11.942 MILES

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAIN LANES	RURAL FREEWAY	70 MPH
RAMPS (TYPICAL)	RAMP	50 MPH (USUAL) 35 MPH (MIN)
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
LOOP RAMPS	RAMP	20 MPH

MAXIMUM SUPERELEVATION RATE (emax) = 6%



PRELIMINARY
SUBMITTED FOR REVIEW
PROJECT: TOLL 49 SEGMENT 6
P.L. No. 1, 53172 Date: 11-2-2024
BY: [Signature]
NET FOR CONSTRUCTION, BIDDING
OR PERMITTING

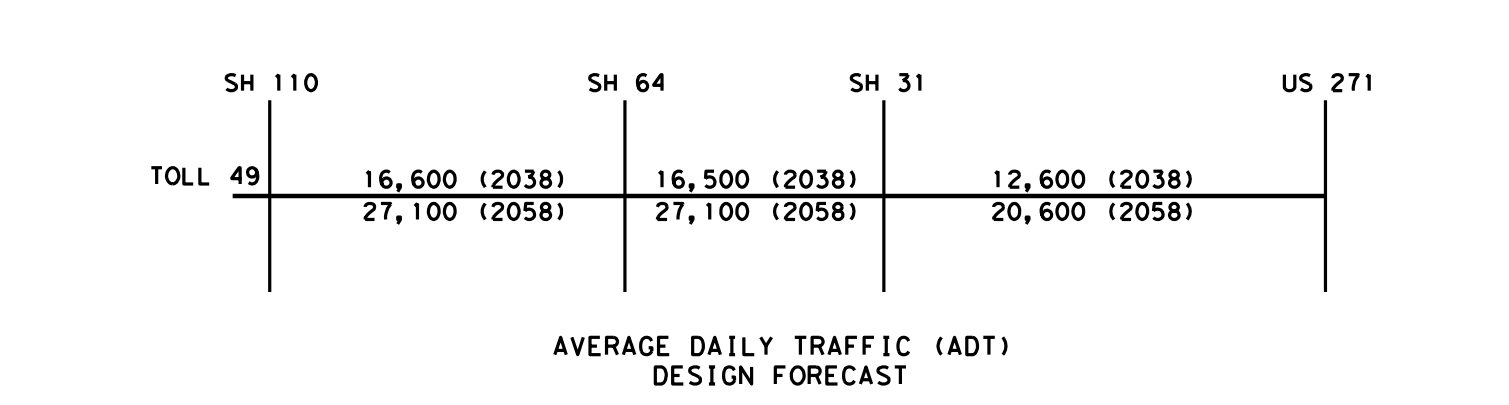
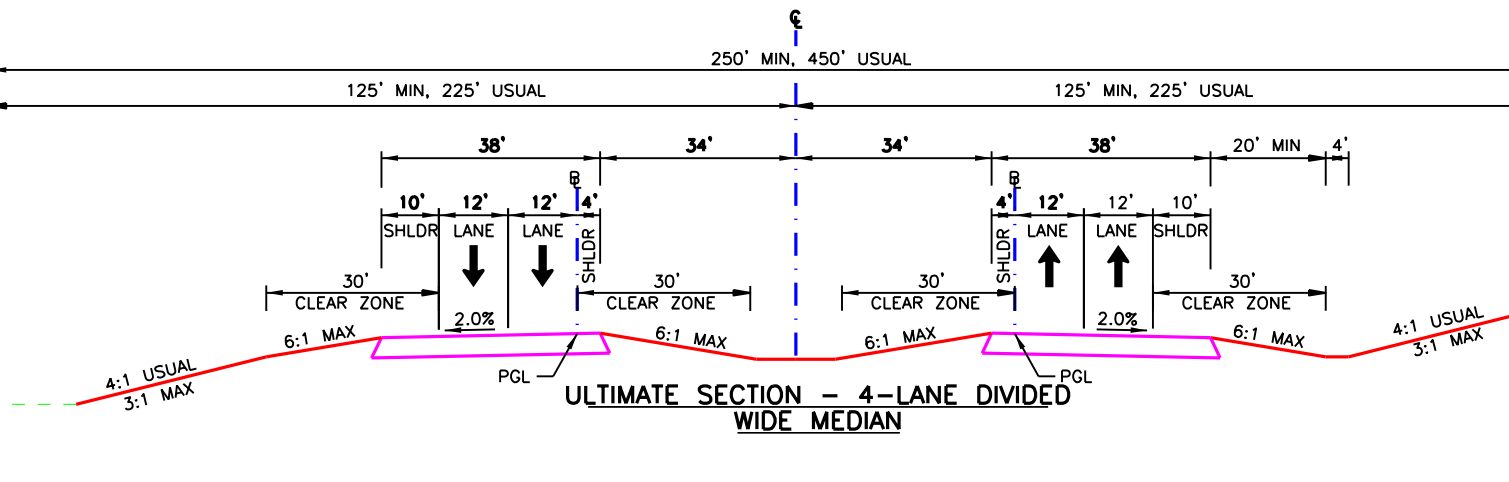
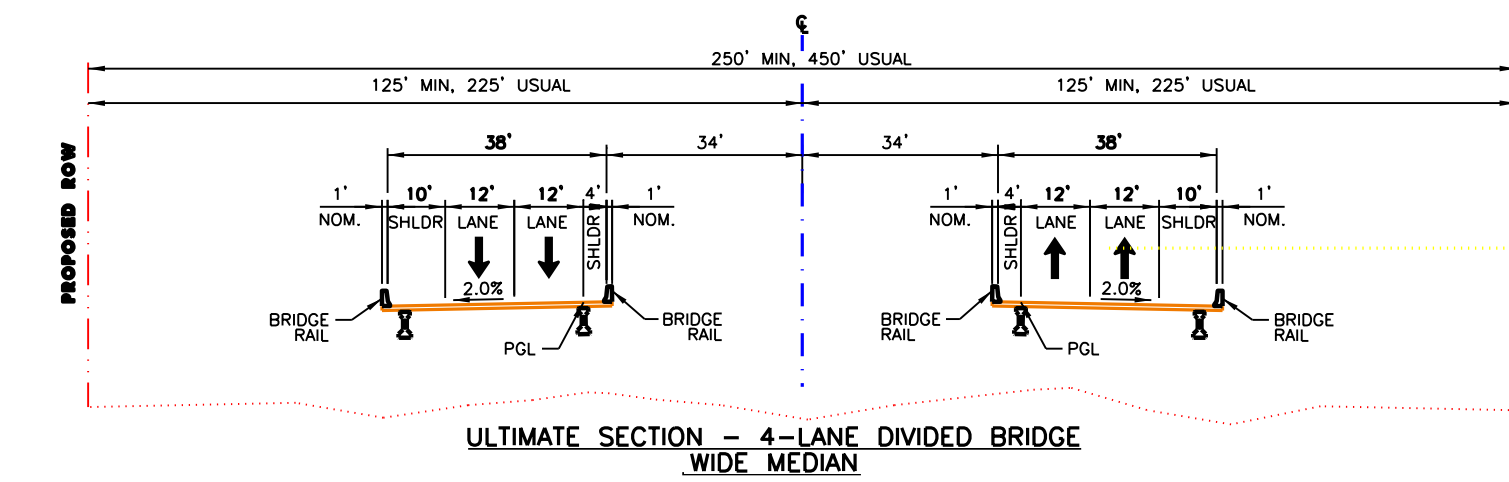
EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: UNION
PACIFIC

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2024
TXDOT HYDRAULIC DESIGN MANUAL: 2019
TRB HIGHWAY CAPACITY MANUAL: 2022
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2011 Rev(2014)

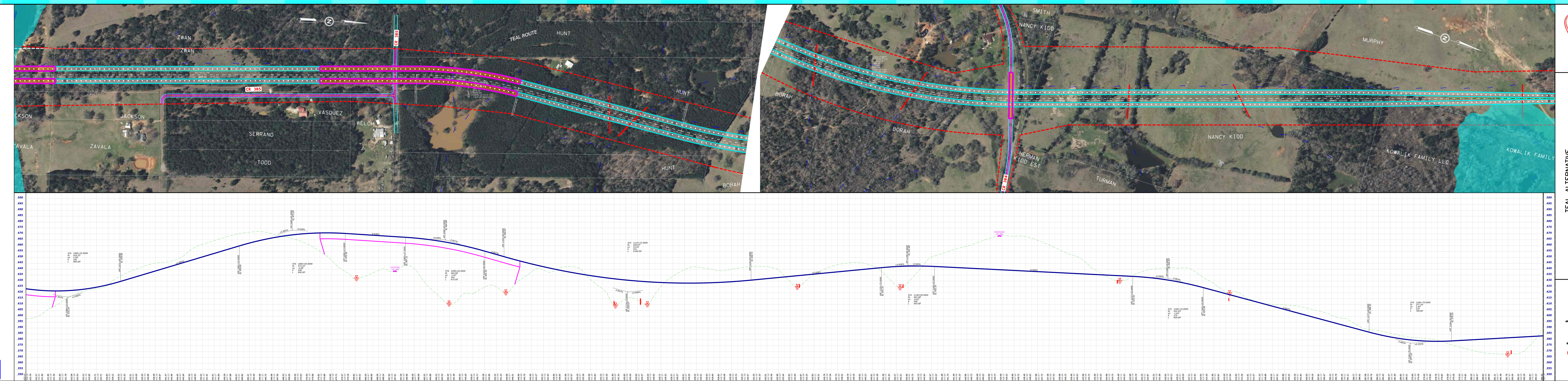
HORIZ SCALE: 1"=200'

0 100 200 400

- LEGEND:
- EXISTING ROW OR PARCEL BOUNDARY
 - PROPOSED RIGHT-OF-WAY
 - TRAFFIC LANE
 - EXISTING SIGNAL
 - 100-YEAR FEMA FLOODPLAIN
 - NHD WATERBODY
 - NHD FLOWLINE
 - DRAINAGE FLOW
 - 100 WSEL
 - PROPOSED MAINLANES
 - PROPOSED RAMPS
 - PROPOSED ACCESS AND SIDE ROADS
 - PROPOSED BRIDGES



PRELIMINARY
SUBJECT TO CHANGE



NET RMA
North East Texas
Regional Mobility Authority

TEAL ALTERNATIVE
TOLL 49 SEGMENT 6
FROM SH 110 TO US 271
DESIGN SCHEMATIC
ROLL 5 OF 6

Lochner
TBE Firm Reg. No. 10488

