NORTH TARRANT EXPRESS - OPTIMIZED
IH820 / IH35W INTERCHANGE
PRELIMINARY MANDATORY SCHEMATIC

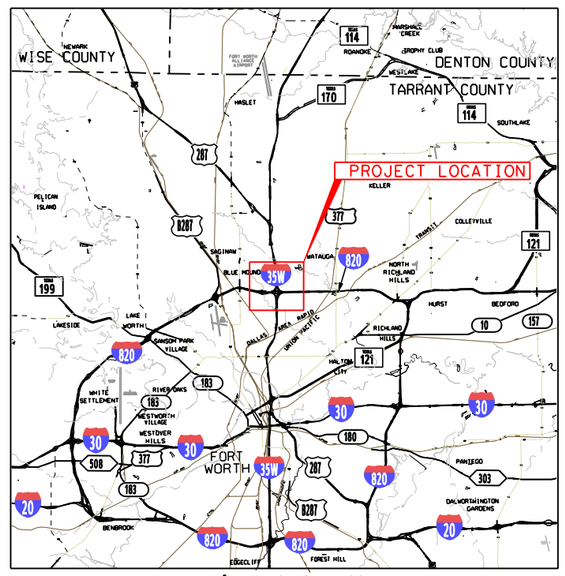
September 12, 2012

ROADWAY	DESIGN SPEED
GENERAL PURPOSE	60 MPH
MANAGED LANES	60 MPH
FRONTAGE ROADS	40 MPH
RAMPS/COLLECTORS	50 MPH
CROSS (CITY) STREET	30 MPH
COLLECTOR DISTRIBUTOR	40 MPH
LOOP RAMP	25 MPH

ALL DESIGN VALUES HAVE BEEN MET PER THE REQUIREMENTS OF THE NORTH TARRANT EXPRESS SEGMENT 3A & 3B BOOK 2 GEOMETRIC DESIGN CRITERIA INCLUDING THE NOTES OF GEOMETRIC DEVIATIONS WITHIN THE SAME DOCUMENT, ALONG WITH ALL THE RFI'S SUBMITTED TO TxDOT DURING THE MASTER DEVELOPMENT AGREEMENT FOR THIS SEGMENT.

NOTES:

1. THE PROPOSAL SCHEMATICS ARE PRELIMINARY AND SUBJECT TO CHANGE. THE LOCATION OF ALL BRIDGE BENTS AND ABUTMENTS IS PRELIMINARY AND SUBJECT TO MODIFICATION DURING DETAIL DESIGN PHASE. ALL MODIFICATIONS WILL BE WITHIN THE STRUCTURAL REQUIREMENTS STATED ON CDA FOR SEGMENTS 3A & 3B BOOK 2. THE LOCATION OF ALL RETAINING WALLS IS PRELIMINARY AND SUBJECT TO MODIFICATION DURING DETAIL DESIGN PHASE.
2. DC RAMP CONNECTING IH35W-NB TO IH820-WB SHALL HAVE A MINIMUM SSD OF 305'
   DC RAMP CONNECTING IH35W-NB TO IH820-EB SHALL HAVE A MINIMUM SSD OF 305'
   DC RAMP CONNECTING IH35W-SB TO IH820-WB SHALL HAVE A MINIMUM SSD OF 360'
   DC RAMP CONNECTING IH35W-SB TO IH820-EB SHALL HAVE A MINIMUM SSD OF 360'
   DC RAMP CONNECTING IH820-WB TO IH35W-NB SHALL HAVE A MINIMUM SSD OF 360'
   DC RAMP CONNECTING IH820-WB TO IH35W-SB SHALL HAVE A MINIMUM SSD OF 305'
   DC RAMP CONNECTING IH820-EB TO IH35W-NB SHALL HAVE A MINIMUM SSD OF 305'
   DC RAMP CONNECTING IH820-EB TO IH35W-SB SHALL HAVE A MINIMUM SSD OF 305'
   MANAGED TOLL LANE DC RAMP CONNECTING IH820-WB TO IH35W-NB SHALL HAVE A MINIMUM SSD OF 305'
   MANAGED TOLL LANE DC RAMP CONNECTING IH820-WB TO IH35W-SB SHALL HAVE A MINIMUM SSD OF 360'



Location / Key Map

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
ROADWAY	
2-9	IH35 / IH820 PLAN

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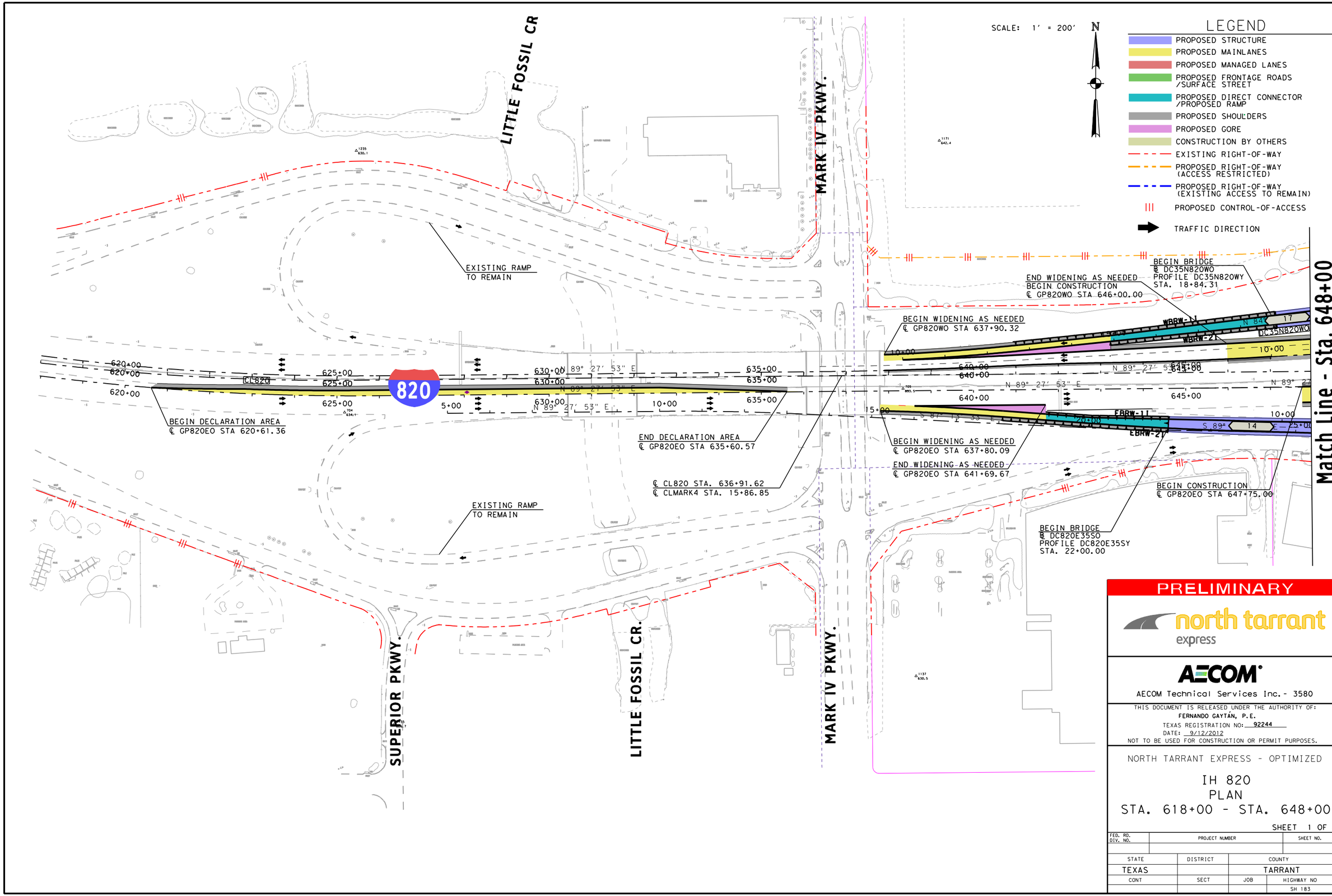

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NORTH TARRANT EXPRESS - OPTIMIZED

IH 820
PLAN
STA. 618+00 - STA. 648+00

SHEET 1 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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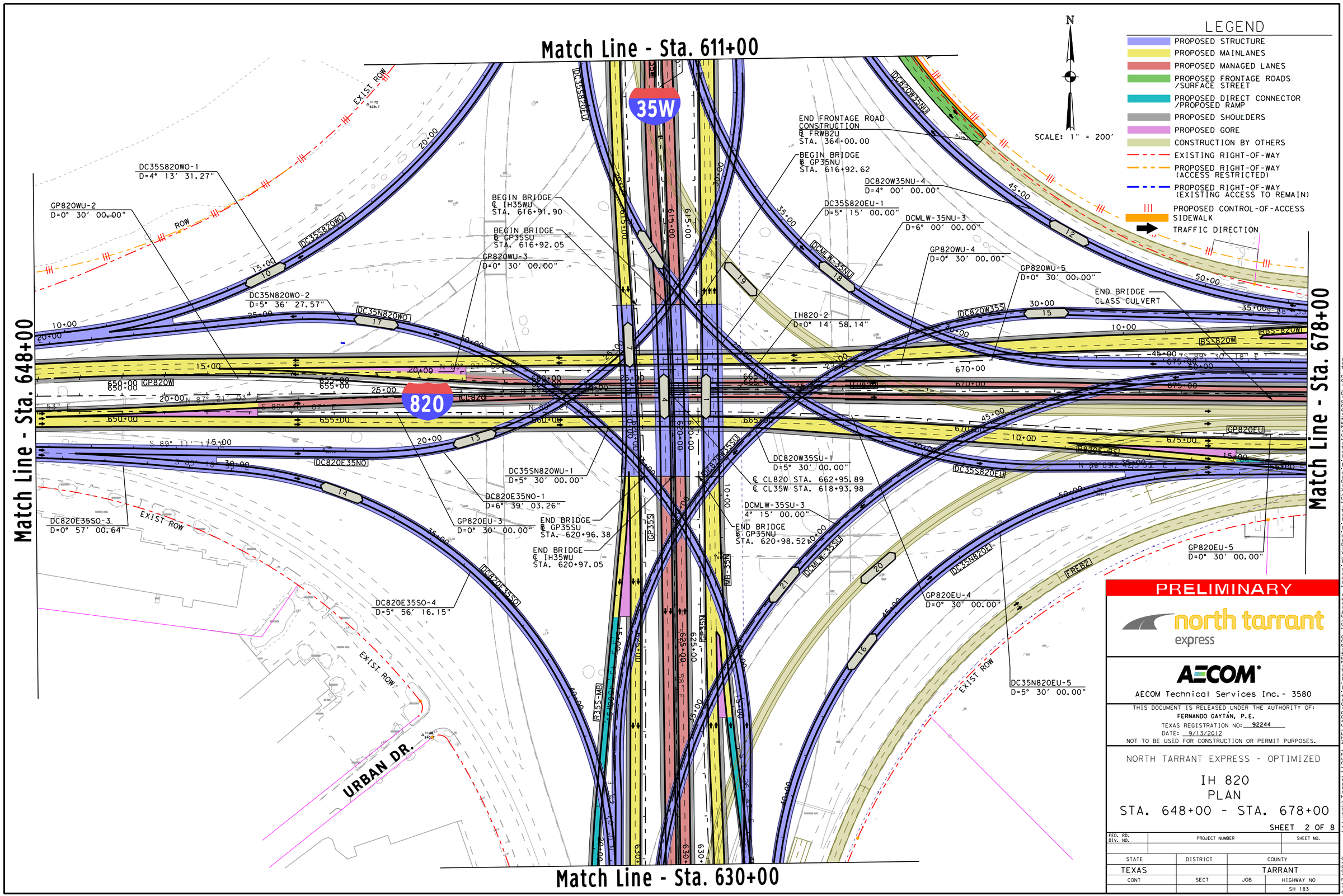

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IH 820
PLAN
STA. 648+00 - STA. 678+00

SHEET 2 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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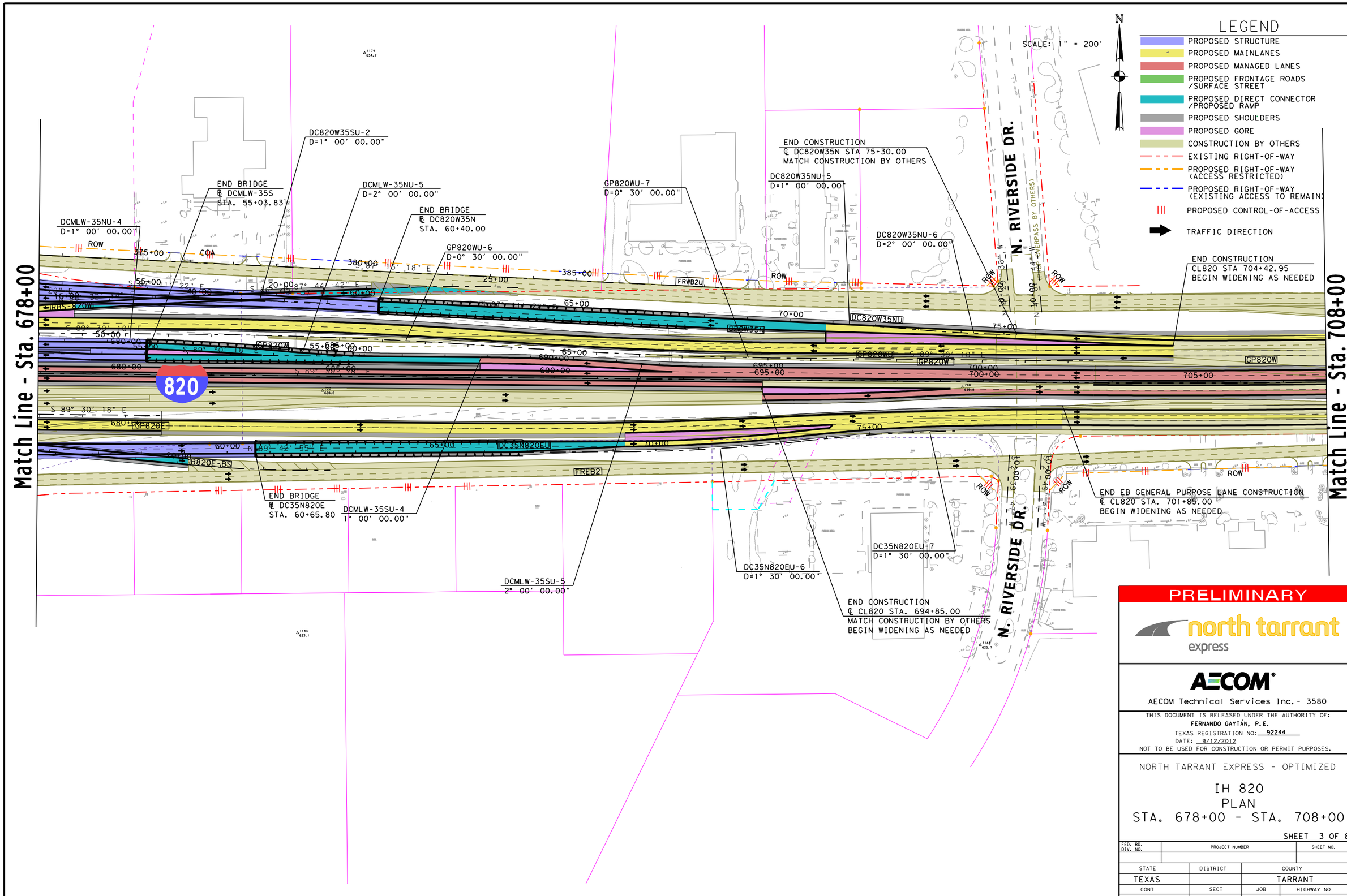

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IH 820
PLAN
STA. 678+00 - STA. 708+00

SHEET 3 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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SCALE: 1" = 200'

N

LEGEND

- PROPOSED STRUCTURE
- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
- PROPOSED DIRECT CONNECTOR /PROPOSED RAMP
- PROPOSED SHOULDERS
- PROPOSED GORE
- CONSTRUCTION BY OTHERS
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY (ACCESS RESTRICTED)
- PROPOSED RIGHT-OF-WAY (EXISTING ACCESS TO REMAIN)
- PROPOSED CONTROL-OF-ACCESS
- TRAFFIC DIRECTION

Match Line - Sta. 708+00

SANDSHELL DR.

FLAGSTONE ST.

N. BEACH ST.

ALTAIR BLVD.

ENDICOTT AVE.

820

IH820-3
D=0° 14' 58.14"

IH820-4
D=0° 14' 58.14"

END CONSTRUCTION
WB MANAGED LANES
℄ IH820 STA 721+00.00

END WIDENING
℄ IH820 STA 714+05.57

END WIDENING
EB MANAGED LANES
℄ IH820 STA 721+00.00

END WIDENING
℄ IH820 STA 728+46.66

N 86° 45' 38" E

710+00 715+00 720+00 725+00 730+00 735+00

EXIST ROW

ROW

FRWB2 R820W-RD GP820W IH820 GP820E FREB2 R820W-SN

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NORTH TARRANT EXPRESS - OPTIMIZED

IH 820
PLAN
STA. 708+00 - END

SHEET 4 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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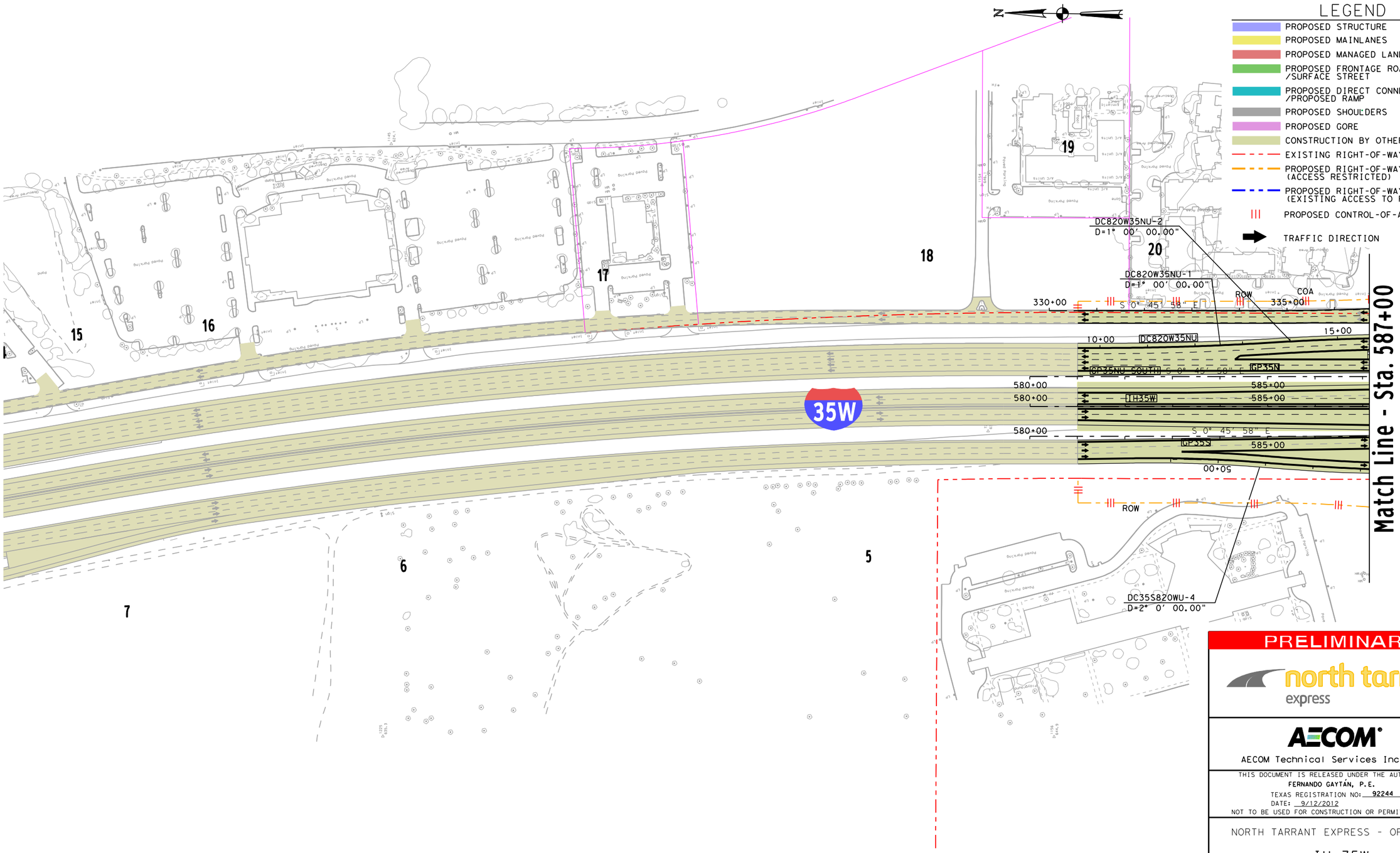

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NORTH TARRANT EXPRESS - OPTIMIZED

IH 35W
PLAN
BEGIN - STA. 587+00

SHEET 5 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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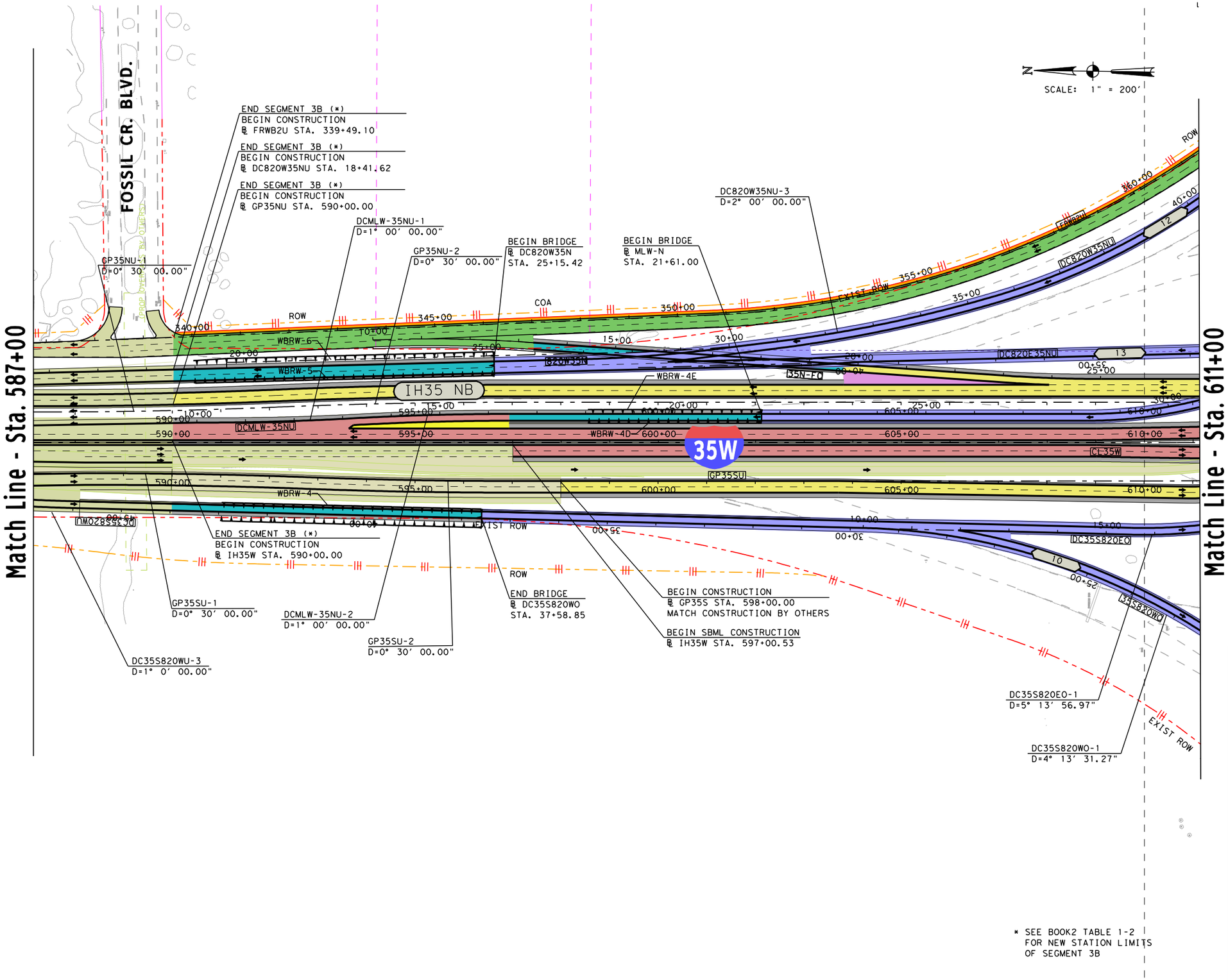

LEGEND

- PROPOSED STRUCTURE
- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
- PROPOSED DIRECT CONNECTOR /PROPOSED RAMP
- PROPOSED SHOULDERS
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- PROPOSED RIGHT-OF-WAY (EXISTING ACCESS TO REMAIN)
- PROPOSED CONTROL-OF-ACCESS
- TRAFFIC DIRECTION
- SIDEWALK

* SEE BOOK2 TABLE 1-2 FOR NEW STATION LIMITS OF SEGMENT 3B

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NORTH TARRANT EXPRESS - OPTIMIZED

IH 35W
PLAN
STA. 587+00 - STA. 611+00

SHEET 6 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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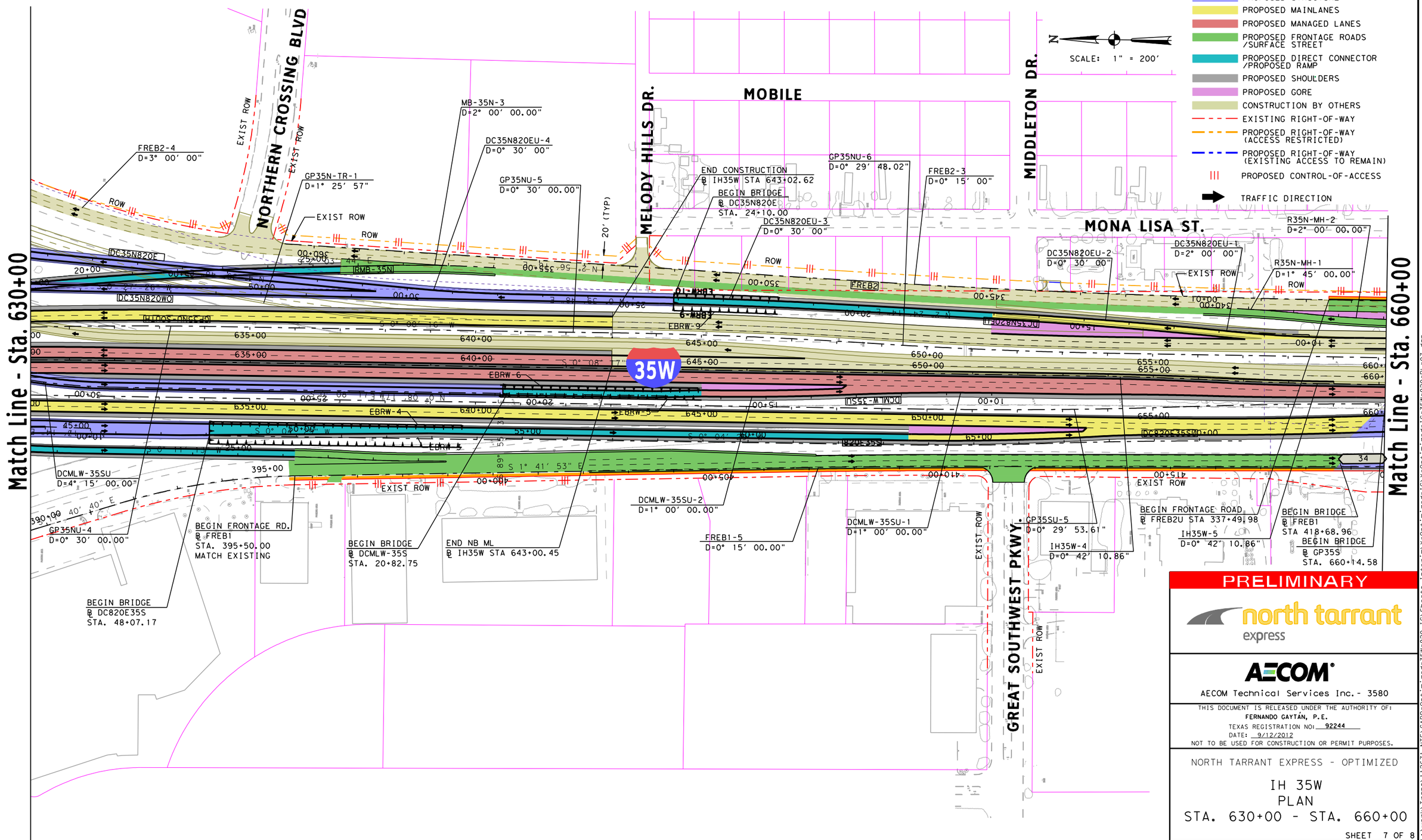

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NORTH TARRANT EXPRESS - OPTIMIZED

IH 35W
PLAN
STA. 630+00 - STA. 660+00

SHEET 7 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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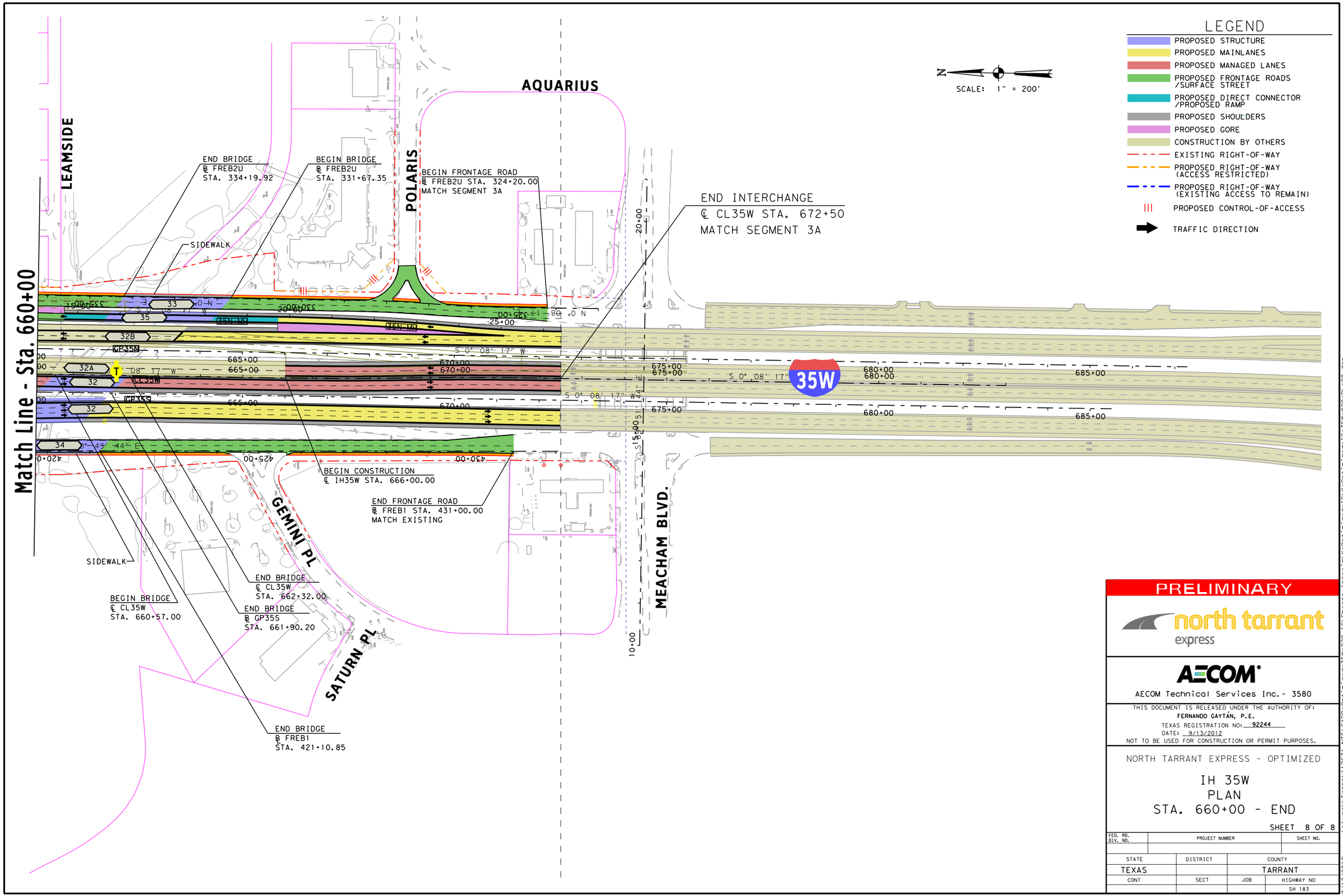

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NORTH TARRANT EXPRESS - OPTIMIZED

IH 35W
PLAN
STA. 660+00 - END

SHEET 8 OF 8

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			SH 183

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