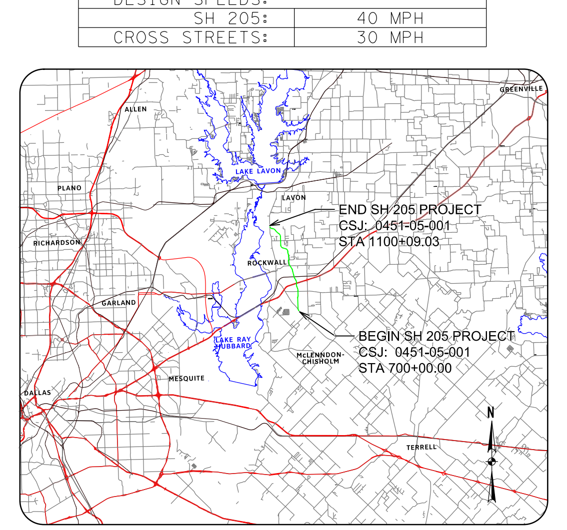
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

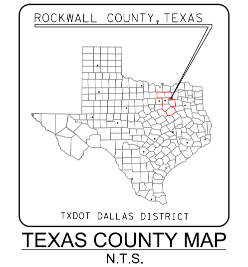
SH 205 DESIGN SCHEMATIC
FROM JCT SH 205/JOHN KING (S GOLIAD ST)
TO NORTH OF JOHN KING
(ROCKWALL C/L)
ROCKWALL COUNTY, TEXAS
CSJ: 0451-05-001

APPROVED SCHEMATIC
JULY 25, 2019

JULY 2019
ROLL 4 OF 4

PROJECT LENGTH:	7.6 MILES
FUNCTIONAL CLASSIFICATION:	PRINCIPAL ARTERIAL
AVERAGE DAILY TRAFFIC:	8,600 (2020) 12,400 (2040)
DESIGN SPEEDS:	
SH 205:	40 MPH
CROSS STREETS:	30 MPH





TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:
JEREMY W. MCGAHAN 103650 07/25/2019
NAME P.E. NO. DATE
HALFF ASSOCIATES, INC.
TBPE FIRM #F-312

HALFF
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200
FAX (214) 739-0095

VERTICAL SCALE: 0 10 20 30 40
HORIZONTAL SCALE: 0 100 200 300 400

DATE SUBMITTED: JULY 25, 2019
DATE APPROVED: JULY 25, 2019

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LEGEND:
EXISTING ROW
EXISTING EASEMENT
EXISTING PROPERTY LIMITS
EXISTING CULVERT
PROPOSED CULVERT
EXISTING BASELINE
PROPOSED BASELINE
PROPOSED CROSS STREET BASELINE
PROPOSED ROW
PROPOSED EASEMENT
PROPOSED EDGE OF PAVEMENT
PROPOSED BRIDGE RAIL
PROPOSED BRIDGE BENT/ABUTMENT
100 YR FLOODPLAIN LIMITS
FLOODWAY LIMITS
DIRECTION OF TRAVEL
FLOW ARROW
PROPOSED BRIDGE
EXISTING SIDEWALK
PROPOSED PROJECT BY OTHERS
PROPOSED PAVEMENT
PROPOSED SIDEWALK
POTENTIAL DISPLACEMENTS
PAVEMENT / BRIDGE TO BE REMOVED
EXISTING WATER
EXISTING FIBER OPTIC
EXISTING TELEPHONE / CABLE
EXISTING ELECTRIC
EXISTING WASTEWATER
EXISTING GAS LINE
CURB RAMP

GENERAL NOTES:
1. THE SCHEMATIC LAYOUTS ARE BASED ON LIMITED FIELD SURVEY, AERIAL TOPOGRAPHY AND RECORD PLANS. NOT ALL EXISTING FEATURES WERE FIELD SURVEYED. AERIAL TOPOGRAPHY DATA WAS COLLECTED IN SUMMER OF 2017.
2. PARCEL LIMITS AND OWNERSHIP INFORMATION WERE COLLECTED FROM THE ROCKWALL COUNTY APPRAISAL DISTRICT (MAY 2018).
3. ALL CURBS ARE TYPE II (UNLESS NOTED). DIMENSIONS ARE TO EDGE OF UNCURBED PAVEMENT OR NOMINAL FACE OF RAIL/CURB/BARRIER (UNLESS NOTED).
4. SUPERELEVATION TRANSITIONS ARE LINEAR WITH THE AXIS OF ROTATION LOCATED AT THE PGL.
5. THE SPECIFIC TYPE OF BRIDGE RAIL WILL BE DETERMINED DURING PS&E DESIGN.
6. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) WILL NOT BE DEVELOPED UNTIL PS&E DESIGN.
7. AVERAGE DAILY TRAFFIC VOLUME PROJECTIONS DEVELOPED BY TXDOT TP&P (AUGUST 2017).
8. MAJOR INTERSECTION CURVE RADII ARE 50', MINOR INTERSECTION CURVE RADII ARE 30', AND DRIVEWAY INTERSECTION CURVE RADII ARE 15' (UNLESS NOTED OTHERWISE). DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN.
9. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE LOCAL GOVERNMENTS.
10. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
11. APPROXIMATE 100 YEAR FLOOD PLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS DATED AUGUST 2015.
12. CONSTRUCTION OF DRIVEWAYS OUTSIDE OF EXISTING AND PROPOSED RIGHT OF WAY SHALL REQUIRE CONSTRUCTION AGREEMENT.
13. SHORT RETAINING WALLS MIGHT BE REQUIRED WHERE SIDEWALKS ADJACENT TO THE EXISTING ROADWAY ARE PROPOSED TO STAY WITHIN EXISTING ROW. THESE WILL BE DETERMINED DURING PS&E DESIGN.

CURVE DATA

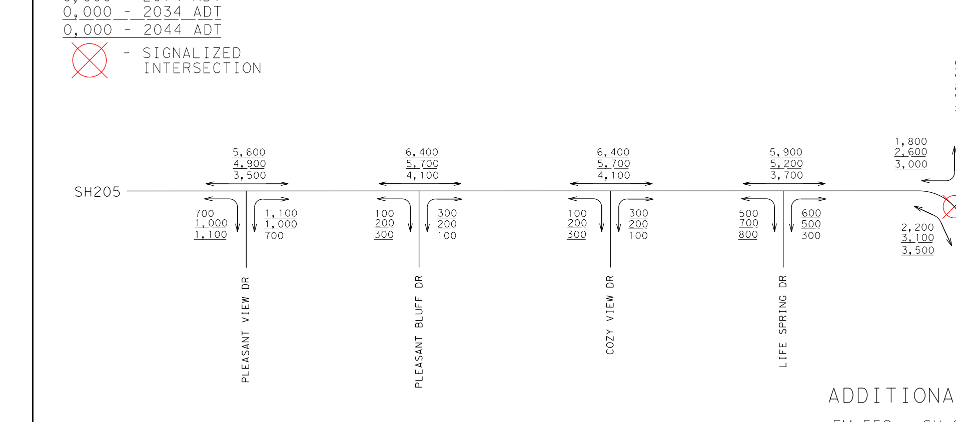
PSH205-S CURVES

CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
PSH205-M-16	1043+42.55	N 7,043,820.93	E 2,596,743.77	56° 17' 37.17" (LT)	1,500.00	802.50	1473.76	N 28° 44' 10.69" W	1415.20	1035+40.05	1050+13.82	N 0° 35' 22.10" W	N 56° 52' 59.27" W
PSH205-M-17	1060+46.00	N 7,044,823.31	E 2,595,207.11	23° 19' 41.79" (RT)	5,000.00	1032.19	2035.78	N 45° 13' 08.38" W	2021.74	1050+13.82	1070+49.59	N 56° 52' 59.27" W	N 33° 33' 17.49" W
PSH205-M-18	1078+78.93	N 7,046,374.63	E 2,594,178.18	54° 47' 56.01" (LT)	1,600.00	829.34	1530.27	N 60° 57' 15.49" W	1472.61	1070+49.59	1085+79.87	N 33° 33' 17.49" W	N 88° 21' 13.50" W
PSH205-M-19	1095+69.57	N 7,046,426.89	E 2,592,359.89	87° 09' 39.13" (RT)	1,040.00	989.70	1582.09	N 44° 46' 23.93" W	1433.89	1085+79.87	1101+61.96	N 88° 21' 13.50" W	N 1° 11' 34.36" W

CROSS STREET CURVES

CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
PGOLN-1	15+48.17	N 7,046,324.12	E 2,592,317.02	44° 49' 38.35" (RT)	1,111.00	458.23	869.23	N 21° 13' 14.81" E	847.23	10+89.93	19+59.16	N 1° 11' 34.36" W	N 43° 38' 03.99" E

TRAFFIC DIAGRAM



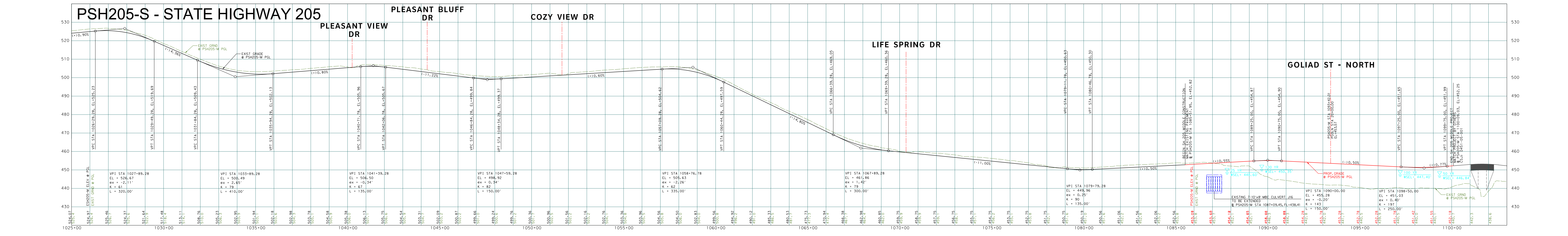
ADDITIONAL DATA
FM 552 - SH 205 N:
DD (%) : 53-47
K : 10.6
Trucks (%):
ADT : 8.6
DHV : 6.5

AVERAGE DAILY TRAFFIC VOLUME PROJECTIONS DEVELOPED BY TXDOT TP&P (AUGUST 2017).

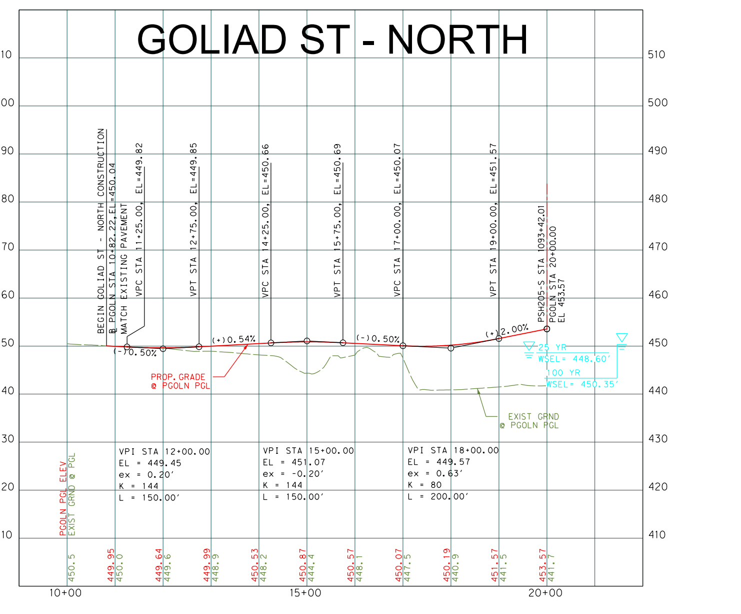
PROPERTY OWNERS

Parcel ID	Owner's Name
R-1	KATIN JOE J
R-63	CITY OF DALLAS
R-63-1	CITY OF DALLAS
R-63-2	CITY OF DALLAS
R-700	SHENNENDOAH REAL ESTATE PARTNERS
R-701-1	LIFE SPRING CHURCH
R-701-2	LIFE SPRING CHURCH
R-704	LIFE SPRING CHURCH
R-705	N/A
R-706	N/A
R-707	SHENNENDOAH REAL ESTATE PARTNERS
R-708-1	MYERS COREY E AND KATRINA
R-708-2	BH PHASE VI SF LTD
R-708-3	WINDSOR HOMES CUMBERLAND LLC
R-708-4	LICON PEDRO AND ROSA LINDA
R-708-5	BH PHASE VI SF LTD
R-708-6	WHEELER TIMOTHY EDWARD JR AND
R-708-7	FLORES MODESTO ARMANDO AND MARIA
R-708-8	MCARTHUR MARK AND JULI
R-708-9	GILLILAN LARRY D AND CHRISTINA K
R-708-10	MORTVEDT RONALD ORLO II AND JAMIE
R-709	CLARK BRUCE A & ROSE R
R-711	JONES ELOISE AND
R-712	EVANS JEFFREY WILLIAM AND JULIE BONDS
R-713	RANKIN TIERRE SANTEZ AND YOSHIKA
R-714	WILLIAMS TOMMY EUGENE AND PEGGIE J
R-715	BREEZY HILL ESTATES HOMEOWNERS
R-716	HANES CRAIG
R-717	BH BALANCE III LLC
R-718	STEED RYAN JAY AND BROOKE A
R-719	PAUL TAYLOR HOMES LIMITED
R-720	FONTAINE NORMAN F AND NANCY C
R-721	BREEZY HILL ESTATES HOMEOWNERS
R-722	VELASQUEZ JOSEPH AND TATYANA
R-723	BREEZY HILL ESTATES HOMEOWNERS
R-724	BREEZY HILL ESTATES HOMEOWNERS
R-725	BREEZY HILL ESTATES HOMEOWNERS
R-726	REEVES STEPHEN M AND SHANNON K
R-727	DICKERSON DANNY AND KATHY
R-728	PACESETTER HOMES LLC
R-729	PACESETTER HOMES LLC
R-730	PACESETTER HOMES LLC
R-731	RICE JAMES RANDOLPH JR AND CANDACE
R-732	CDGT ROCKWALL/2016 LLC
R-733-1	N/A
R-733-2	NEC JOHN KING & 552 LP

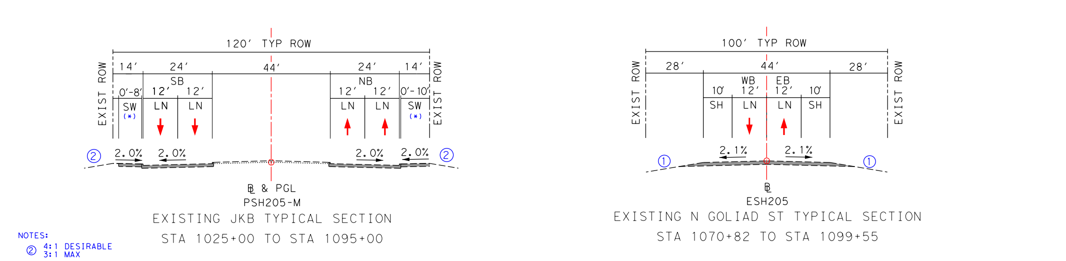
PSH205-S - STATE HIGHWAY 205



GOLIAD ST - NORTH

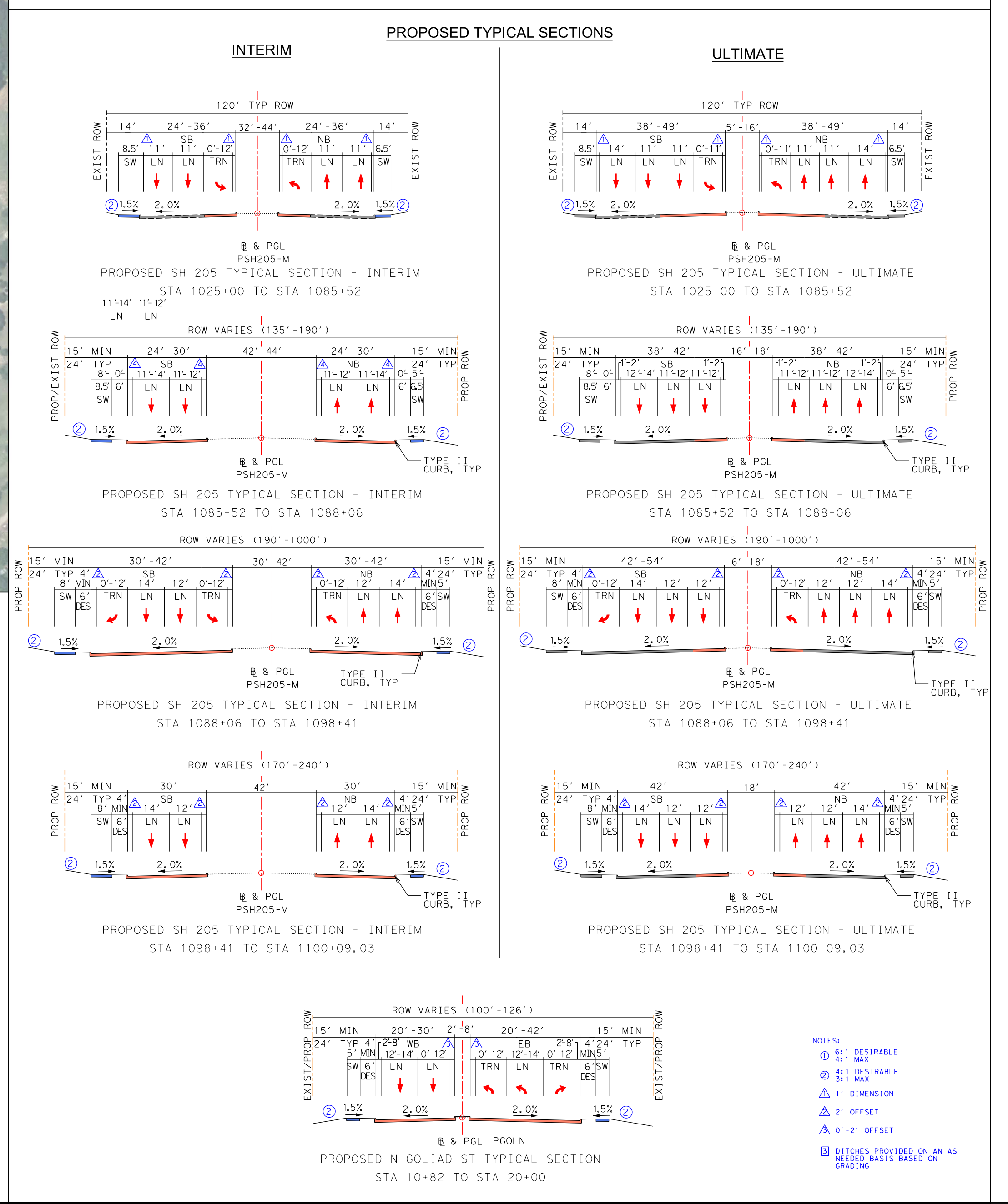


EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS

INTERIM
ULTIMATE



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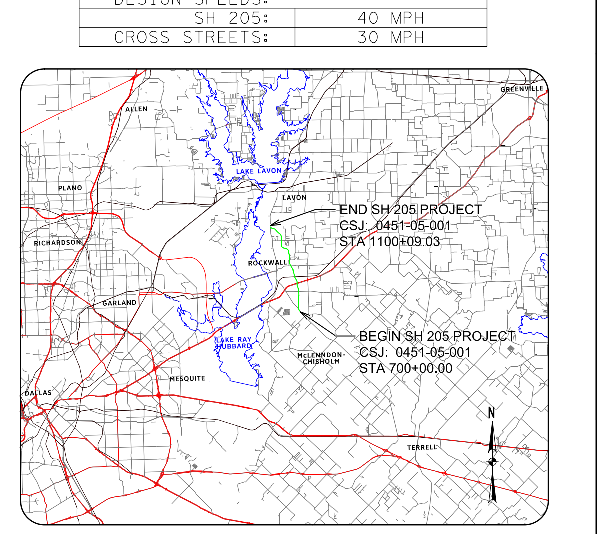

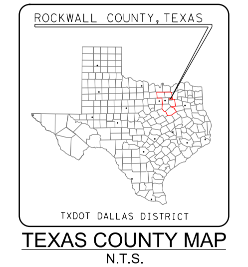

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