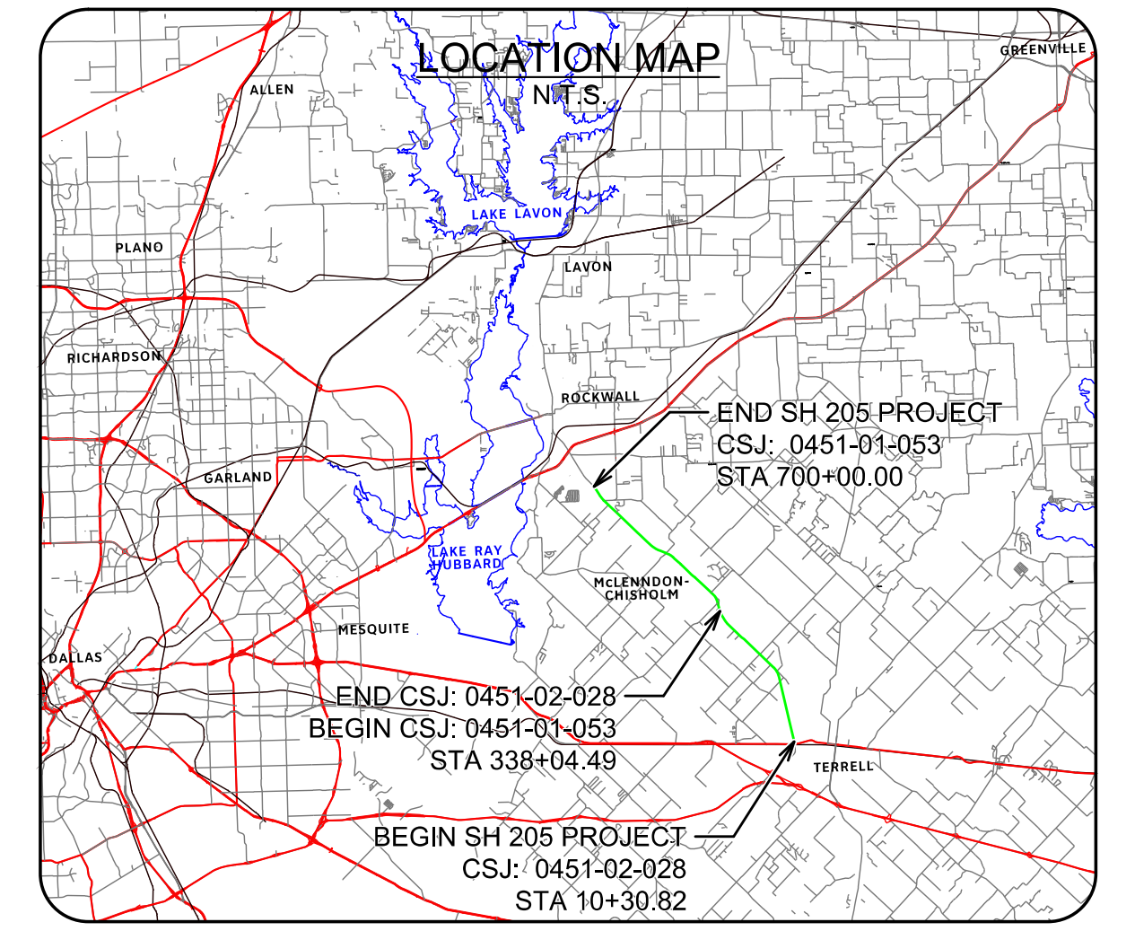
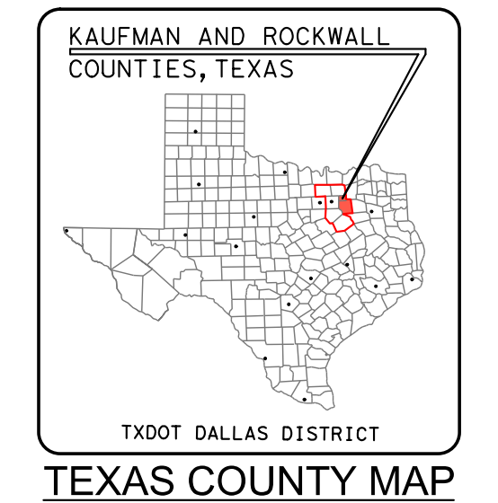
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
JAMES K. SELMAN, P.E., DISTRICT ENGINEER

# SH 205 DESIGN SCHEMATIC
FROM US 80 TO NORTH OF FM 549
KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
CSJ'S: 0451-01-053, 0451-02-028

MARCH 2017
ROLL 7 OF 7

PROJECT LENGTH:	13.07 MILES
FUNCTIONAL CLASSIFICATION:	URBAN ARTERIAL
AVERAGE DAILY TRAFFIC:	33,100 (2014) 53,200 (2034)
DESIGN SPEED:	45 MPH


LOCATION MAP
N.T.S.
ALLEN
GREENVILLE
PLANO
LAKE LAVON
LAVON
RICHARDSON
ROCKWALL
GARLAND
LAKE RAY HUBBARD
McLENNDON-CHISHOLM
MESQUITE
DALLAS
TERRELL
END SH 205 PROJECT
CSJ: 0451-01-053
STA 700+00.00
END CSJ: 0451-02-028
BEGIN CSJ: 0451-01-053
STA 338+04.49
BEGIN SH 205 PROJECT
CSJ: 0451-02-028
STA 10+30.82


KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
TXDOT DALLAS DISTRICT

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 12/02/2016
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

0 10 20 30 40
VERTICAL SCALE:

0 100 200 300 400
HORIZONTAL SCALE:

DATE SUBMITTED:

DATE APPROVED:

© 2016 by Texas Department of Transportation all rights reserved

LEGEND:

- ‐ ‐ ‐ EXISTING ROW
- —— EXISTING PROPERTY LIMITS
- —— EXISTING 5FT CONTOURS
- —— EXISTING CULVERT
- —— PROPOSED CULVERT
- ‐ · ‐ PROPOSED SH 205 BASELINE
- ‐ · ‐ PROPOSED CROSS STREET BASELINE
- ‐ · ‐ PROPOSED TRANSITION 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
- ■ 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 APRIL OF 2015.
2. PARCEL LIMITS AND OWNERSHIP INFORMATION WERE COLLECTED FROM THE KAUFMAN, ROCKWALL, AND COLLIN COUNTIES APPRAISAL DISTRICT (JUNE 2015).
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 (MARCH 2015).
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. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
13. CONSTRUCTION OF DRIVEWAYS OUTSIDE OF EXISTING AND PROPOSED RIGHT OF WAY SHALL REQUIRE CONSTRUCTION LICENSE AGREEMENT.

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-S-28	684+96.43	N 7,010,797.3406	E 2,604,855.9114	11° 16' 01.30" (RT)	9,000.00	887.77	1769.82	N 40° 14' 24.86" W	1766.97	676+08.66	693+78.48	N 45° 52' 25.50" W	N 34° 36' 24.21" W

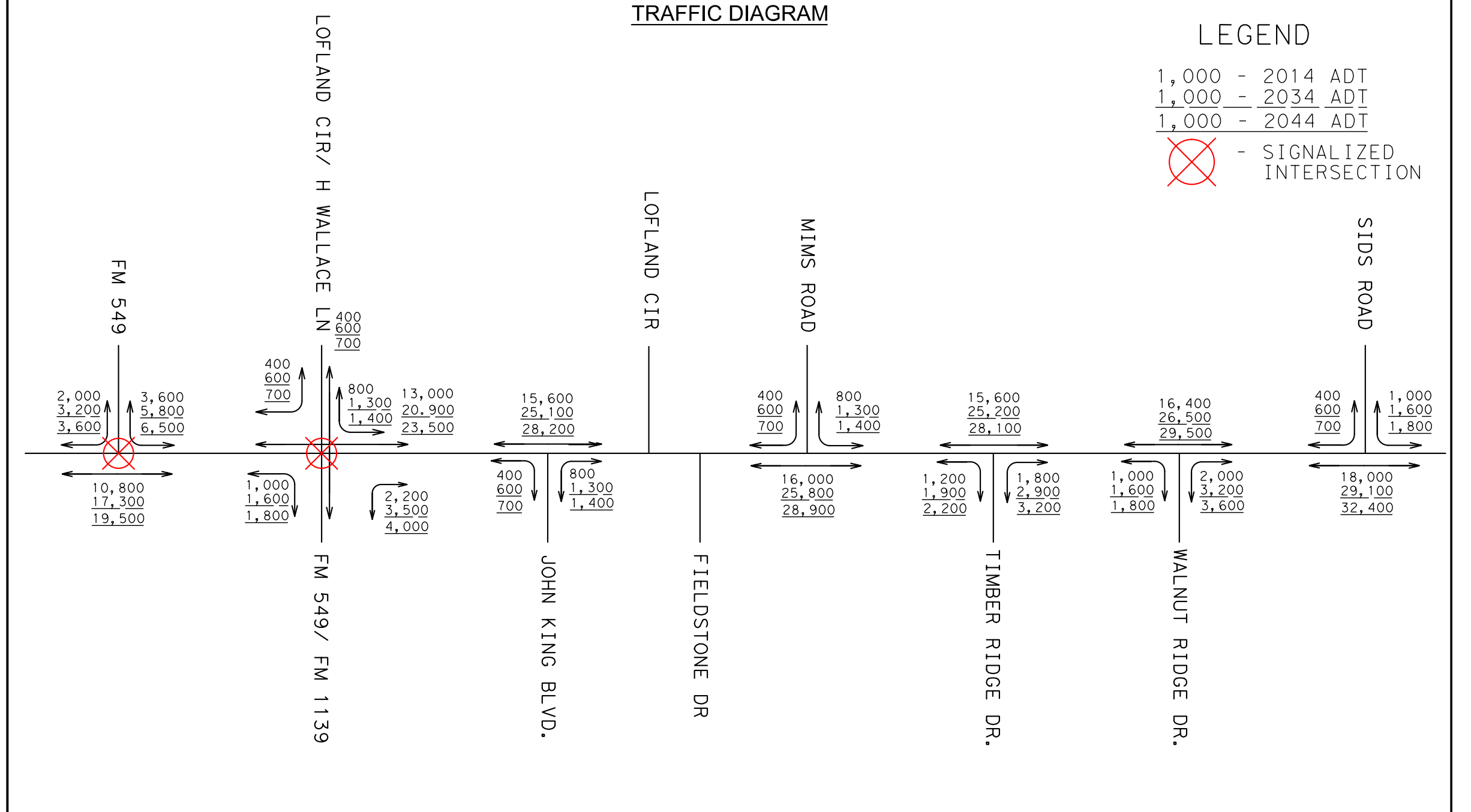
CROSS STREET CURVES

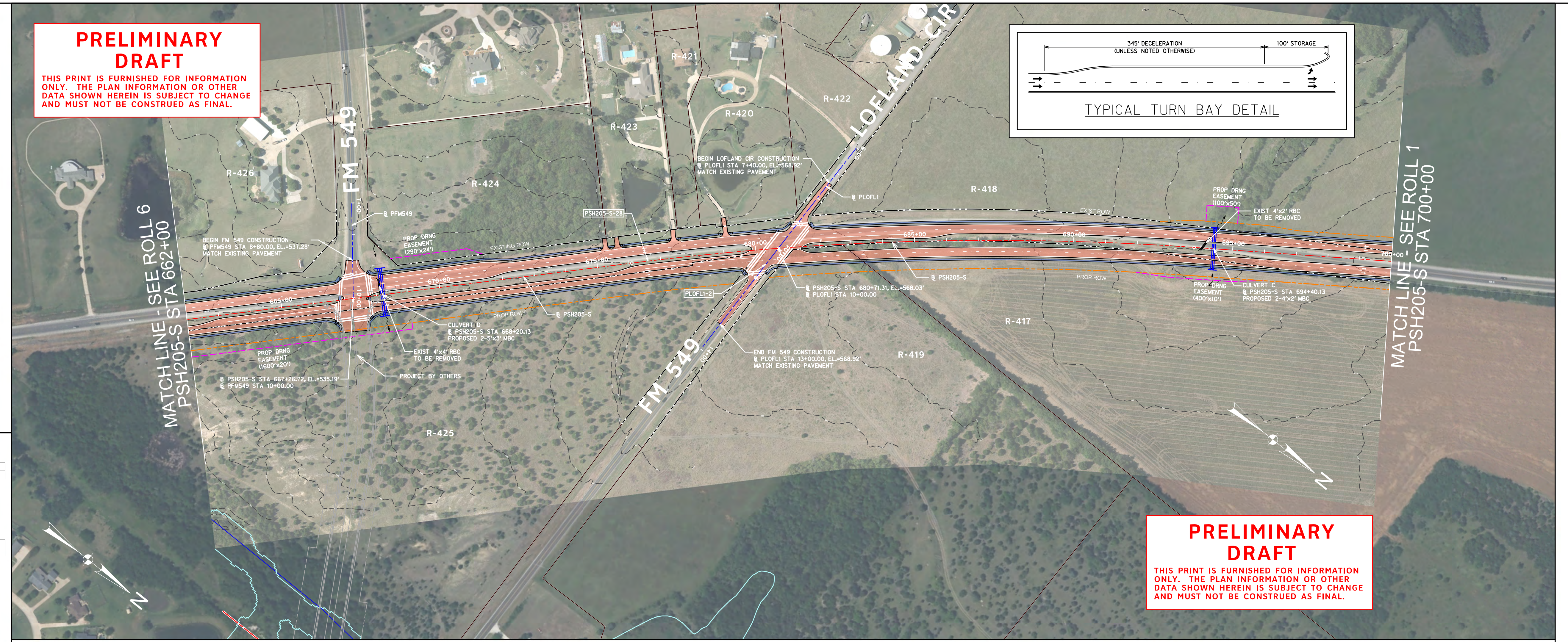
CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
PLOFL1-2	10+58.87	N 7,010,510.2546	E 2,605,228.4482	0° 42' 34.09" (LT)	9,500.00	58.82	117.63	N 89° 03' 28.96" E	117.63	10+00.05	11+17.69	N 89° 24' 46.01" E	N 88° 42' 11.92" E

SUPERELEVATION DATA

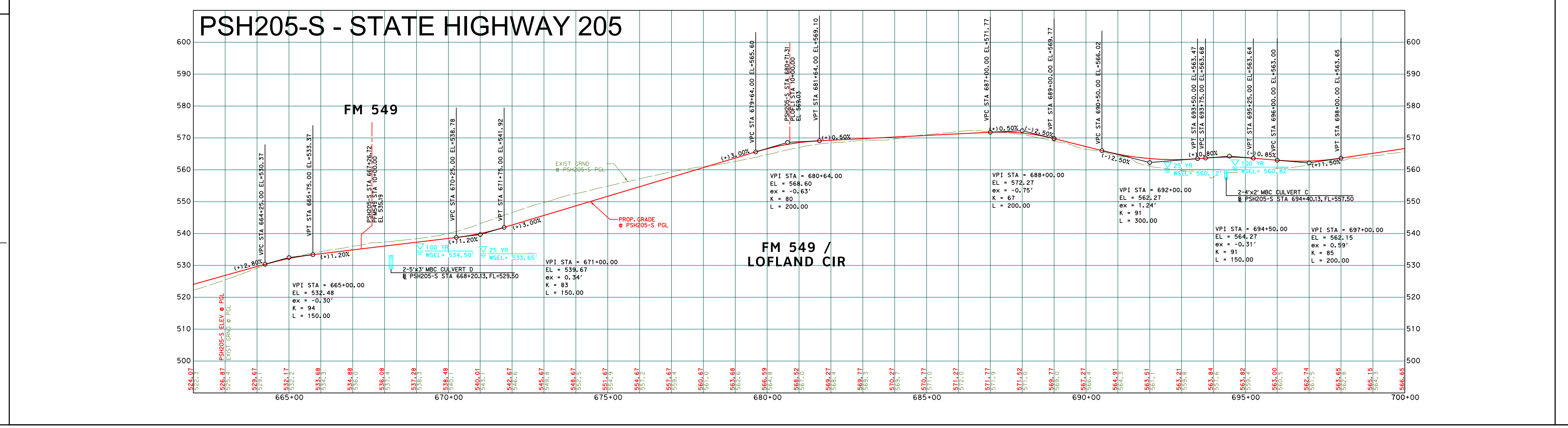
SB			
BEGIN TRANSITION		END TRANSITION	
STA	e	STA	e
663+23.00	2.00%	666+86.00	-2.00%
669+64.00	-2.00%	673+27.00	2.00%

TRAFFIC DIAGRAM

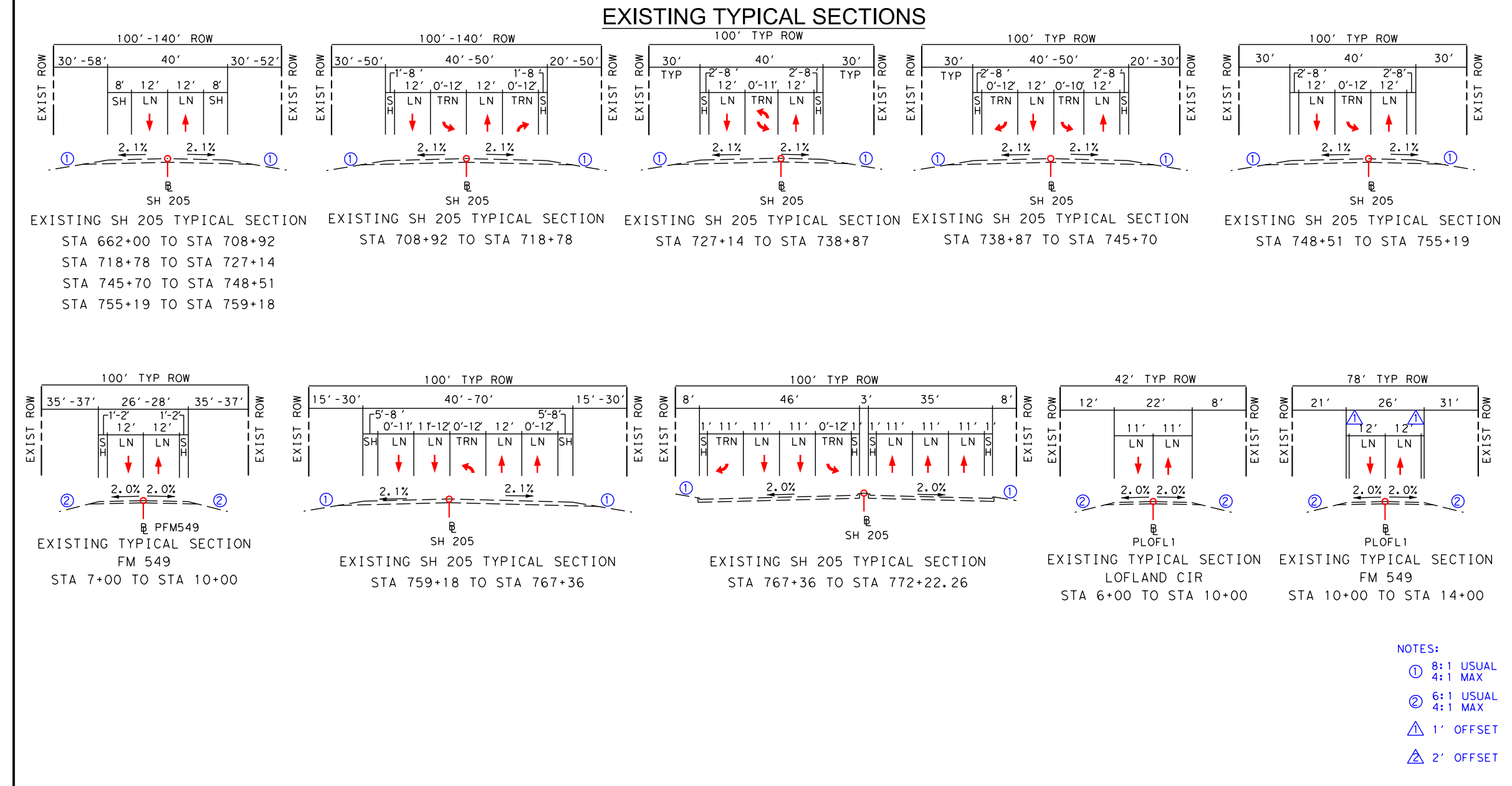

LEGEND
1,000 - 2014 ADT
1,000 - 2034 ADT
1,000 - 2044 ADT
SIGNALIZED INTERSECTION
FM 549
2,000 3,200 3,600
3,600 5,800 6,500
10,800 17,300 19,500
LOFLAND CIR/ H WALLACE LN
400 600 700
400 600 700
800 1,300 1,400
13,000 20,900 23,500
1,000 1,600 1,800
2,200 3,500 4,000
FM 549/ FM 1139
15,600 25,100 28,200
400 600 700
800 1,300 1,400
JOHN KING BLVD.
LOFLAND CIR
FIELDSTONE DR
MIMS ROAD
400 600 700
800 1,300 1,400
16,000 25,800 28,900
15,600 25,200 28,100
1,200 1,900 2,200
1,800 2,900 3,200
TIMBER RIDGE DR.
16,400 26,500 29,500
1,000 1,600 1,800
2,000 3,200 3,600
WALNUT RIDGE DR.
SIDS ROAD
400 600 700
1,000 1,600 1,800
18,000 29,100 32,400


PRELIMINARY DRAFT
THIS PRINT IS FURNISHED FOR INFORMATION ONLY. THE PLAN INFORMATION OR OTHER DATA SHOWN HEREIN IS SUBJECT TO CHANGE AND MUST NOT BE CONSTRUED AS FINAL.
MATCH LINE - SEE ROLL 6
PSH205-S STA 662+00
FM 549
LOFLAND CIR
R-426
R-424
R-423
R-421
R-420
R-422
R-418
R-425
R-419
R-417
BEGIN FM 549 CONSTRUCTION
PFM549 STA 8+80.00, EL.=537.28'
MATCH EXISTING PAVEMENT
PFM549
PROP DRNG EASEMENT (290'x24')
EXISTING ROW
PSH205-S-28
665+00
670+00
675+00
680+00
685+00
690+00
695+00
700+00
CULVERT D
PSH205-S STA 668+20.13
PROPOSED 2-5'x3' MBC
PROP DRNG EASEMENT (1600'x20')
PSH205-S STA 667+26.72, EL.=535.19'
PFM549 STA 10+00.00
EXIST 4'x4' RBC TO BE REMOVED
PROJECT BY OTHERS
PROP ROW
PSH205-S
PLOFL1-2
BEGIN LOFLAND CIR CONSTRUCTION
PLOFL1 STA 7+40.00, EL.=568.92'
MATCH EXISTING PAVEMENT
PLOFL1
PSH205-S STA 680+71.31, EL.=568.03'
PLOFL1 STA 10+00.00
END FM 549 CONSTRUCTION
PLOFL1 STA 13+00.00, EL.=568.92'
MATCH EXISTING PAVEMENT
PROP DRNG EASEMENT (100'x50')
EXIST 4'x2' RBC TO BE REMOVED
PROP DRNG EASEMENT (400'x10')
CULVERT C
PSH205-S STA 694+40.13
PROPOSED 2-4'x2' MBC
MATCH LINE SEE ROLL 1
PSH205-S STA 700+00
345' DECELERATION (UNLESS NOTED OTHERWISE)
100' STORAGE
TYPICAL TURN BAY DETAIL
N
PRELIMINARY DRAFT
THIS PRINT IS FURNISHED FOR INFORMATION ONLY. THE PLAN INFORMATION OR OTHER DATA SHOWN HEREIN IS SUBJECT TO CHANGE AND MUST NOT BE CONSTRUED AS FINAL.

PSH205-S - STATE HIGHWAY 205



EXISTING TYPICAL SECTIONS


100'-140' ROW
100' TYP ROW
42' TYP ROW
78' TYP ROW
EXIST ROW
SH
LN
TRN
2.1%
2.0%
SH 205
PFM549
PLOFL1
NOTES:
① 6:1 USUAL 4:1 MAX
② 6:1 USUAL 4:1 MAX
1' OFFSET
2' OFFSET

EXISTING SH 205 TYPICAL SECTION
STA 662+00 TO STA 708+92
STA 718+78 TO STA 727+14
STA 745+70 TO STA 748+51
STA 755+19 TO STA 759+18

EXISTING SH 205 TYPICAL SECTION
STA 708+92 TO STA 718+78

EXISTING SH 205 TYPICAL SECTION
STA 727+14 TO STA 738+87

EXISTING SH 205 TYPICAL SECTION
STA 738+87 TO STA 745+70

EXISTING SH 205 TYPICAL SECTION
STA 748+51 TO STA 755+19

EXISTING TYPICAL SECTION
FM 549
STA 7+00 TO STA 10+00

EXISTING SH 205 TYPICAL SECTION
STA 759+18 TO STA 767+36

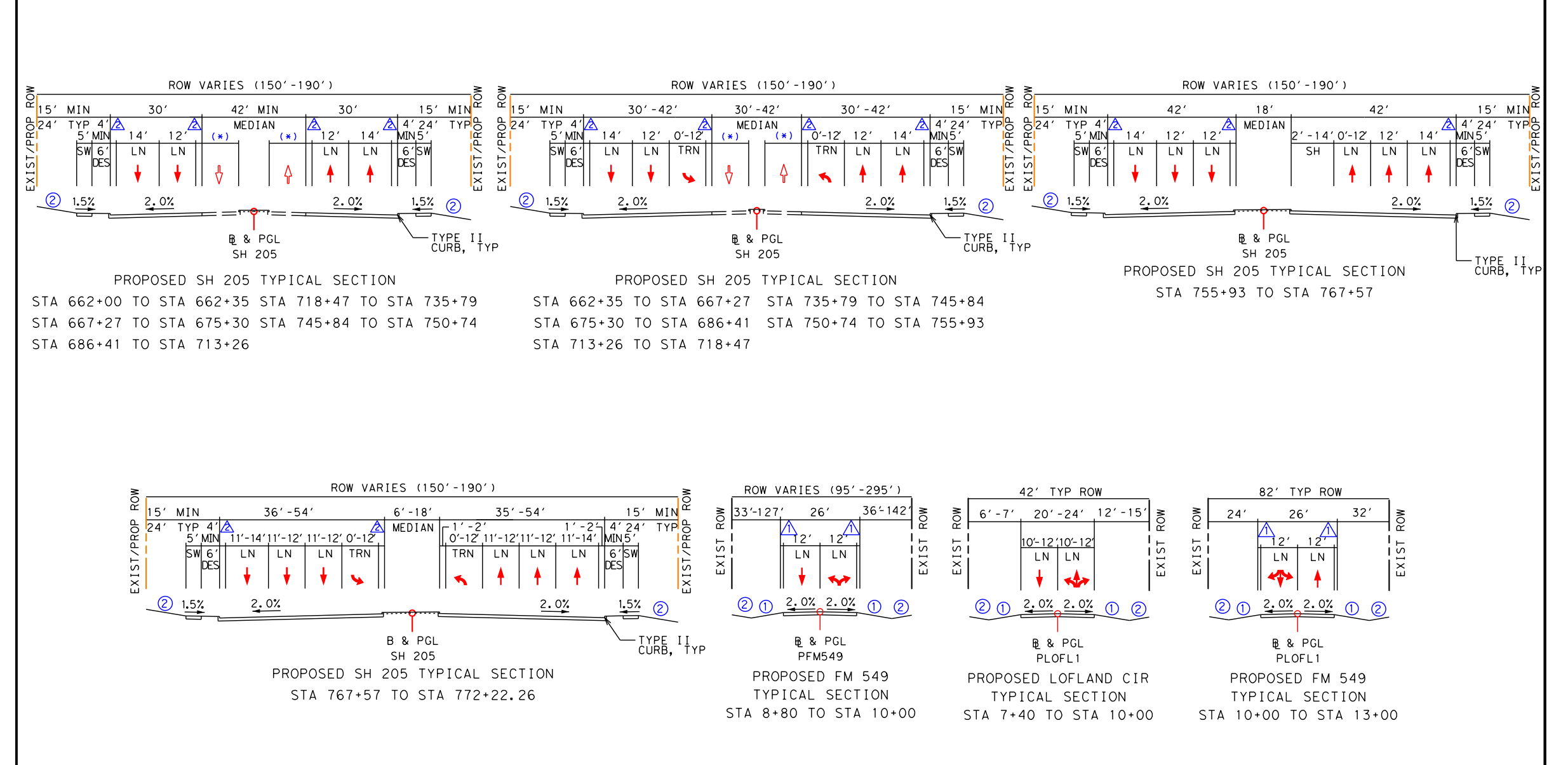
EXISTING SH 205 TYPICAL SECTION
STA 767+36 TO STA 772+22.26

EXISTING TYPICAL SECTION
LOFLAND CIR
STA 6+00 TO STA 10+00

EXISTING TYPICAL SECTION
FM 549
STA 10+00 TO STA 14+00

PROPOSED TYPICAL SECTIONS

NOTES:
① 6:1 DESIRABLE 4:1 MAX
② 4:1 DESIRABLE 3:1 MAX
1' OFFSET
2' OFFSET


ROW VARIES (150'-190')
ROW VARIES (95'-295')
42' TYP ROW
82' TYP ROW
EXIST/PROP ROW
MEDIAN
SW
LN
TRN
SH
1.5%
2.0%
& PGL
SH 205
PFM549
PLOFL1
TYPE II CURB, TYP

PROPOSED SH 205 TYPICAL SECTION
STA 662+00 TO STA 662+35 STA 718+47 TO STA 735+79
STA 667+27 TO STA 675+30 STA 745+84 TO STA 750+74
STA 686+41 TO STA 713+26

PROPOSED SH 205 TYPICAL SECTION
STA 662+35 TO STA 667+27 STA 735+79 TO STA 745+84
STA 675+30 TO STA 686+41 STA 750+74 TO STA 755+93
STA 713+26 TO STA 718+47

PROPOSED SH 205 TYPICAL SECTION
STA 755+93 TO STA 767+57

PROPOSED SH 205 TYPICAL SECTION
STA 767+57 TO STA 772+22.26

PROPOSED FM 549
TYPICAL SECTION
STA 8+80 TO STA 10+00

PROPOSED LOFLAND CIR
TYPICAL SECTION
STA 7+40 TO STA 10+00

PROPOSED FM 549
TYPICAL SECTION
STA 10+00 TO STA 13+00

PARCEL DATA

Parcel ID	Owner's Name	Parcel Address
R-378	205 AND 276 PARTNERS	S GOLIAD
R-379	CITY OF ROCKWALL	1441 FOXWOOD LN
R-380	TRANSAM TRUCKING	2670 S GOLIAD
R-381	ESTEP KIP	2686 S HWY205
R-382	CITY OF ROCKWALL	WALNUT RIDGE DR
R-383	TARVER JEFFERY & ROLANDA	1507 WALNUT RIDGE DR
R-384	OSEE PROPERTY MANAGEMENT LLC	S HWY205
R-385	MARTINEZ JOSUE	1501 WALNUT RIDGE DR
R-386	MILLER JESSICA L	1507 RIDGETOP CT
R-387	HOWERTON RICKY D & CHRISTINE A	1501 RIDGETOP CT
R-388	TATOM DANNY & TRACI	1506 RIDGETOP CT
R-389	PEWICK JAMES & SHANNA PEWICK	1500 RIDGETOP CT
R-390	HOYL ROBERT & DARLA	1507 RICHFIELD CT
R-391	ROCKWALL HICKORY RIDGE HOMEOWNERS ASSOC INC	S HWY205
R-392	STAGLLANO VINCENT J	MIMS RD
R-393	GARY SHAWN	1501 RICHFIELD CT
R-394	AMH 2014-1 BORROWER LLC	1500 RICHFIELD CT
R-395	DOUGLAS LEANNE	1506 RICHFIELD CT
R-396	MOORE LEE OSCAR & SHRYL ANN	1507 TIMBER RIDGE DR
R-397	SAHLOU WALIYE BESHAH	1501 TIMBER RIDGE DR
R-398	GARDNER AALIYAH DEJANE TRUST NUMBER TWO	1506 TIMBER RIDGE DR
R-399	LUSK DERRICK L	1500 TIMBER RIDGE DR
R-400	MORITZ GREG AND BIANCA MARTINEZ	1507 WESTFIELD LN
R-401	JONES MYRON D	1501 WESTFIELD LN
R-402	LIM KATCHHAUY & MONY KROUCH	1512 WESTFIELD LN
R-403	ROCKWALL HICKORY RIDGE HOMEOWNERS ASSOC INC	S HWY205

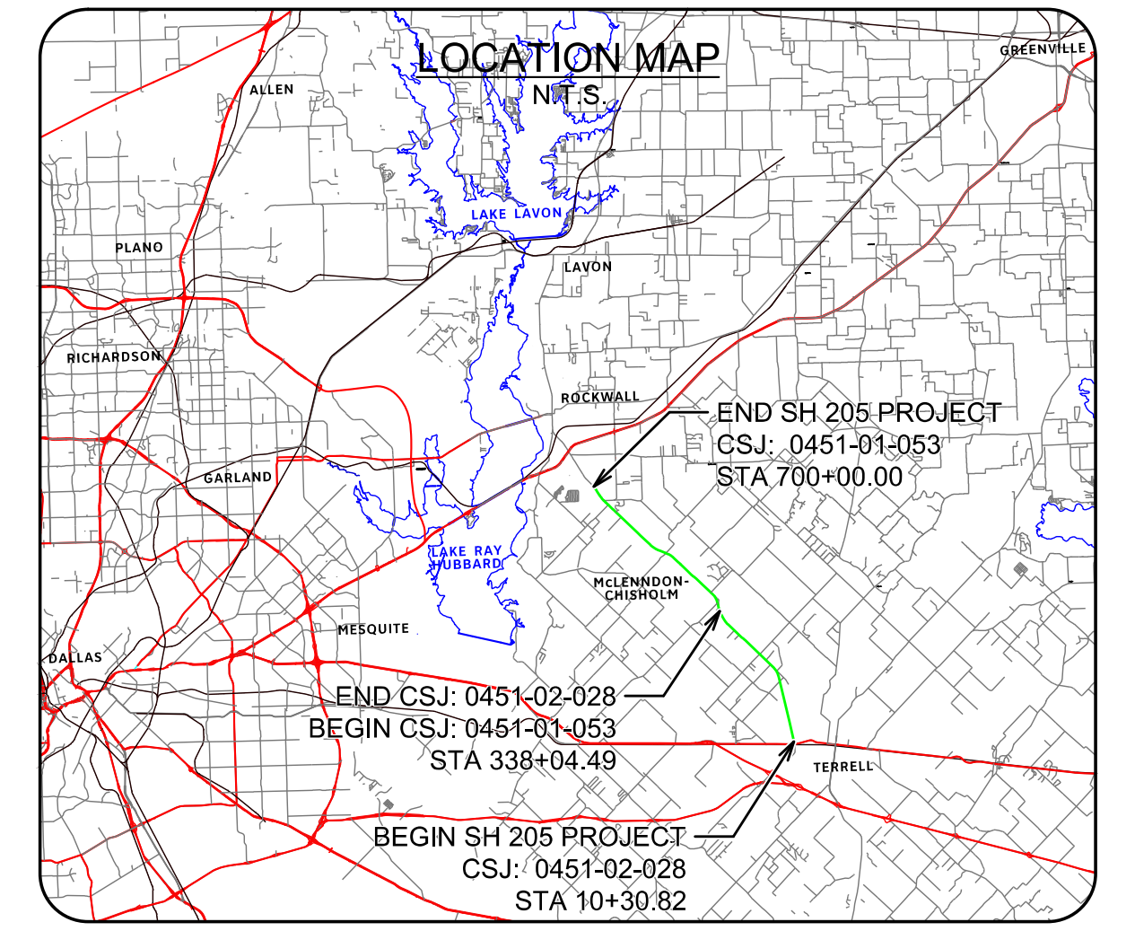
Parcel ID	Owner's Name	Parcel Address
R-404	AMERICAN RESIDENTIAL LEASING COMPANY LLC	1500 WESTFIELD LN
R-405	GUNDRUM CHRISTINE ANN	1506 WESTFIELD LN
R-406	NICKERSON TELISA A	1501 FIELDSTONE DR
R-407	REYES JULIO CESAR & URANIA S	1491 FIELDSTONE DR
R-408	CITY OF ROCKWALL	2915 S GOLIAD
R-409	ZIYADEH MUNEER R ABU	1490 FIELDSTONE DR
R-410	HICKORY RIDGE EAST HOMEOWNERS ASSOC	HWY205/FIELDSTONE
R-411	BODFORD ALVIN M	2890 S GOLIAD
R-412	ROCKWALL I S D	3025 LIMESTONE HILL LN
R-413	BODFORD ALVIN M	2890 S GOLIAD
R-414	LOFLAND N L EST	FM205
R-415	MILLER FAMILY INVESTMENT LP	FM205
R-416	J & S EXPO LIMITED	2922 S HWY205
R-417	LOFLAND N L EST	FM205
R-418	LOFLAND N L EST	FM205
R-419	ARCADIA LAKES OF SOMERSET HOLDINGS LLC	2994 S FM549
R-420	IMBURGIA JOHN & GRACE	ELVIS PRESLEY LN
R-421	IMBURGIA JOHN & GRACE	211 ELVIS PRESLEY LN
R-422	IMBURGIA JOHN & GRACE	ELVIS PRESLEY LN
R-423	HOUSER WILLIAM D & STACEY B	4768 S HWY205
R-424	HOME BOY ENTERPRISES INC	FM205 & FM549
R-425	ROCKWALL RETAIL INVESTORS LLC	FM205 & FM549
R-426	J BR2 LLC	5133 S FM549
R-427	PERDUE CAWTHON JR & LOUISE	2049 CHISHOLM TR
R-429	ZEB MOHIUDIN DR &	5128 S HWY205
R-441	ROCKWALL HIGHGATE LTD	HWY205

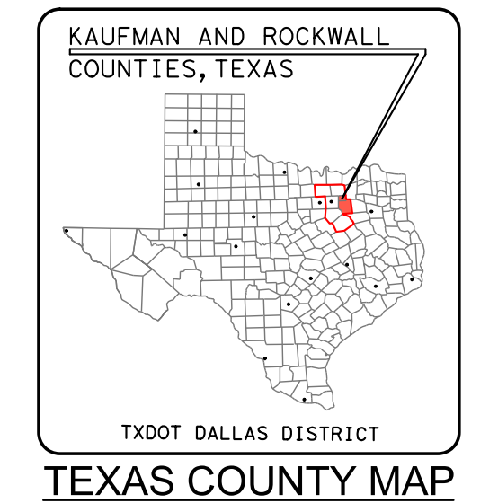
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
JAMES K. SELMAN, P.E., DISTRICT ENGINEER

SH 205 DESIGN SCHEMATIC
FROM US 80 TO NORTH OF FM 549
KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
CSJ'S: 0451-01-053, 0451-02-028

MARCH 2017
ROLL 7 OF 7

PROJECT LENGTH: 13.07 MILES
FUNCTIONAL CLASSIFICATION: URBAN ARTERIAL
AVERAGE DAILY TRAFFIC: 33,100 (2014) 53,200 (2034)
DESIGN SPEED: 45 MPH


LOCATION MAP
N.T.S.
END SH 205 PROJECT
CSJ: 0451-01-053
STA 700+00.00
END CSJ: 0451-02-028
BEGIN CSJ: 0451-01-053
STA 338+04.49
BEGIN SH 205 PROJECT
CSJ: 0451-02-028
STA 10+30.82


KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
TXDOT DALLAS DISTRICT

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 12/02/2016
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
0 10 20 30 40
VERTICAL SCALE:
0 100 200 300 400
HORIZONTAL SCALE:
DATE SUBMITTED:
DATE APPROVED:
© 2016 by Texas Department of Transportation all rights reserved