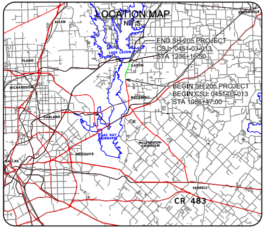
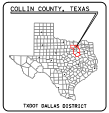
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
JAMES K. SELMAN, P.E., DISTRICT ENGINEER

# SH 205 DESIGN SCHEMATIC
FROM NORTH OF JOHN KING BLVD
TO SH 78
COLLIN COUNTY, TEXAS
CSJ: 0451-03-013

MARCH 2017
ROLL 2 OF 2

PROJECT LENGTH:	2.85 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: 0451-03-013
STA 1236+16.50
BEGIN SH 205 PROJECT
BEGIN CSJ: 0451-03-013
STA 1086+47.00
ALLEN
PLANO
LAKE LAVON
LAVON
GREENVILLE
RICHARDSON
ROCKWALL
GARLAND
LAKE RAY HUBBARD
McLENDON-CHISHOLM
MESQUITE
DALLAS
TERRELL
CR 483


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY
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NAME	P.E. NO.	DATE
LEIGH A. HOLLIS	103573	03/30/2014
JEREMY W. MCGAHAN	103650	03/30/2014

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: 1"=20'

0 100 200 300 400
HORIZONTAL SCALE: 1"=200'

DATE SUBMITTED:

DATE APPROVED:

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LEGEND:

----	EXISTING ROW
—	EXISTING PROPERTY LIMITS
—	PROPOSED CULVERT
— —	EXISTING CULVERT
—·—	PROPOSED SH 205 BASELINE
—·—	PROPOSED CROSS STREET BASELINE
—·—	PROPOSED TRANSITION BASELINE
— —	PROPOSED ROW
— —	PROPOSED EASEMENT
—	PROPOSED EDGE OF PAVEMENT
—	PROPOSED BRIDGE ABUTMENT
— —	PROPOSED BRIDGE BENT
—	PROPOSED RETAINING WALL
········	100 YR FLOODPLAIN LIMITS
⇨	DIRECTION OF TRAVEL
🟫	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

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.

PRELIMINARY DRAFT
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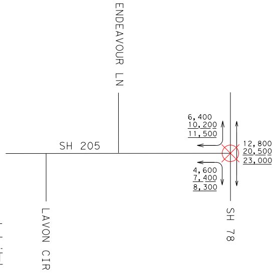
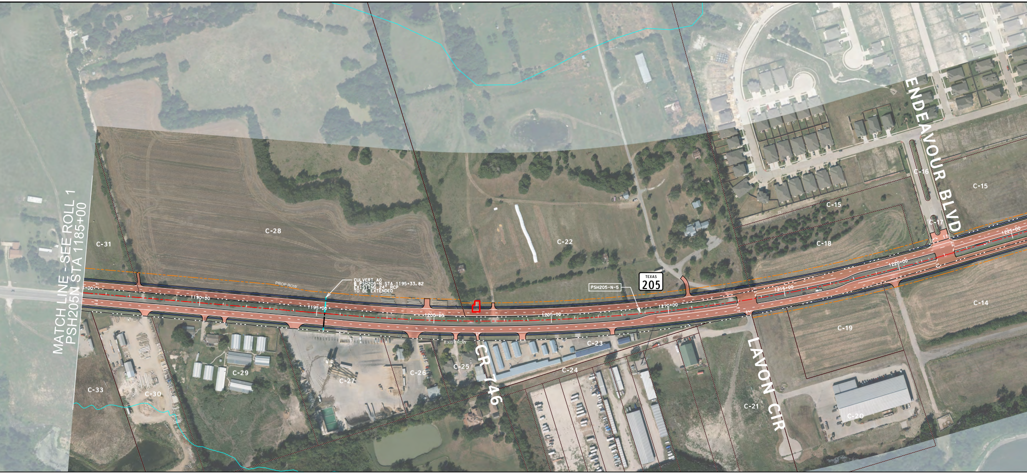
CURVE DATA

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-N-5	1196+12.39	7,057,934.20	2,594,609.29	21^ 11' 13.00" (LT)	7000	1309.1890	2588.4736	N 11^ 54' 01.14" E	2573.7511	1156+49.97	1222+00.87	S 22^ 29' 37.64" W	N 1^ 18' 24.64" E

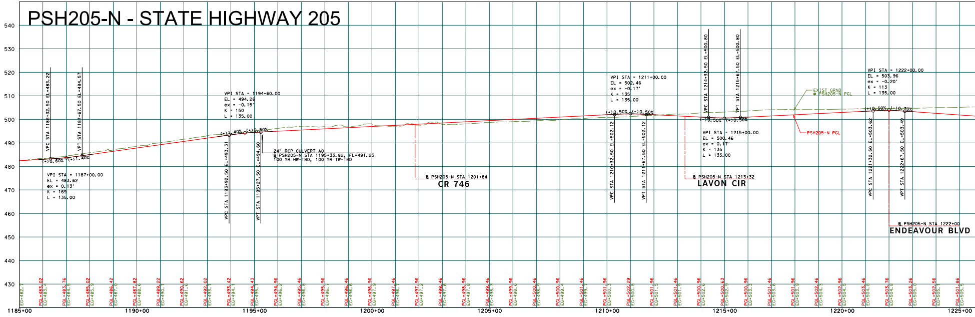
TRAFFIC DIAGRAM

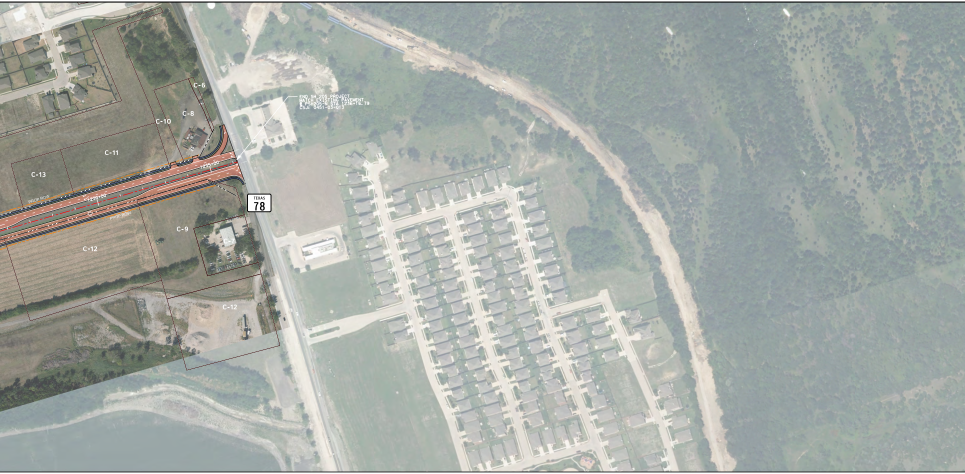

ENDEAVOUR LN
SH 205
LAVON CIR
SH 78
6,400
10,200
11,500
12,800
20,500
23,000
4,600
7,400
8,300

LEGEND
1,000 - 2014 ADT
1,000 - 2034 ADT
1,000 - 2044 ADT
⊗ - SIGNALIZED INTERSECTION

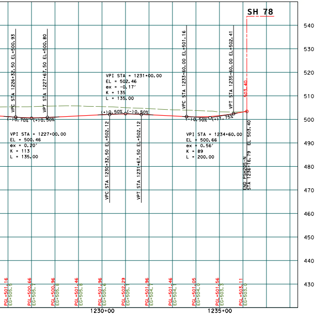

MATCH LINE - SEE ROLL 1
PSH205N STA 1185+00
C-31
C-28
C-22
C-15
C-16
C-17
C-18
C-14
C-19
C-20
C-21
C-23
C-24
C-25
C-26
C-27
C-29
C-30
C-33
ENDEAVOUR BLVD
LAVON CIR
CR 746
TEXAS 205
PSH205-N-5
PROP ROW
EXIST ROW
CULVERT AO
₿ PSH205-N STA 1195+33.82
EXISTING 24" RCP
TO BE EXTENDED
1190+00
1195+00
1200+00
1205+00
1210+00
1215+00
1220+00
1225+00

PSH205-N - STATE HIGHWAY 205




C-6
C-8
C-10
C-11
C-13
C-9
C-7
C-12
C-12
PROP ROW
PROP ROW
1230+00
1235+00
TEXAS
78

END SH 205 PROJECT
MATCH EXISTING PAVEMENT
@ PSH205-N STA 1236+16.79
CSJ: 0451-03-013



VPI STA = 1227+00.00
EL = 500.46
ex = 0.20′
K = 113
L = 135.00

VPI STA = 1231+00.00
EL = 502.46
ex = -0.17′
K = 135
L = 135.00

VPI STA = 1234+60.00
EL = 500.66
ex = 0.56′
K = 89
L = 200.00

PRELIMINARY DRAFT

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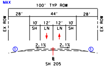
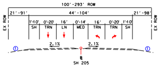
EXISTING TYPICAL SECTIONS

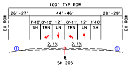
NOTES:
① 6:1 USUAL 3:1 MAX
② 6:1 USUAL 4:1 MAX


100' TYP ROW
28'
44'
28'
EX ROW
10' 12' 12' 10'
SH LN LN SH
2.1% 2.1%
①
①
℄
SH 205

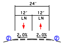
EXISTING SH 205 TYPICAL SECTION
STA 1185+00 TO STA 1216+00
STA 1226+30 TO STA 1232+00


100'-293' ROW
21'-91'
44'-104'
21'-98'
EX ROW
1'-10' 0'-20' 16' 0'-14' 16' 0'-20' 1'-10'
SH TRN LN MED TRN TRN SH
2.1% 2.1%
①
①
℄
SH 205

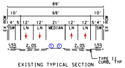
EXISTING SH 205 TYPICAL SECTION
STA 1232+00 TO STA 1236+16.50


100' TYP ROW
26'-27'
44'-46'
28'-29'
EX ROW
1'-10' 0'-10' 12' 0'-11' 12' 1'-10'
SH TRN LN TRN LN SH
2.1% 2.1%
①
①
℄
SH 205

EXISTING SH 205 TYPICAL SECTION
STA 1216+00 TO STA 1226+30


24'
12' 12'
LN LN
2.0% 2.0%
②
②

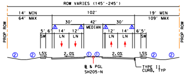
EXISTING TYPICAL SECTION
LAVON CIRCLE


89'
10' 69' 10'
EX ROW
4' 5' 12' 12' 21' 12' 12' 5' 4'
SW LN LN MEDIAN LN LN SW
1.5% 2.0% ① ① 2.0% 1.5%
TYPE II CURB, TYP

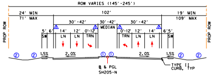
EXISTING TYPICAL SECTION
ENDEAVOR BLVD

PROPOSED TYPICAL SECTIONS

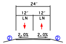
NOTES:
① 6:1 DESIRABLE 4:1 MAX
② 4:1 DESIRABLE 3:1 MAX
⚠ 1' OFFSET
⚠ 2' OFFSET


ROW VARIES (145'-245')
14' MIN 64' MAX
102'
19' MIN 109' MAX
30' 42' 30'
MEDIAN
5' 6' 14' 12' 12' 14' 6' 5'
SW LN LN LN LN SW
PROP ROW
② ② 1.5% 2.0% ① ① 2.0% 1.5% ② ②
℄ & PGL
SH205-N
TYPE II CURB, TYP

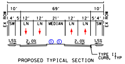
PROPOSED SH 205 TYPICAL SECTION
STA 1185+00 TO STA 1208+36
STA 1227+02 TO STA 1236+17


ROW VARIES (145'-245')
24' MIN 71' MAX
102'
19' MIN 109' MAX
30'-42' 30'-42' 30'-42'
MEDIAN
5' 6' 14' 12' 0'-12' 0'-12' 12' 14' 6' 5'
SW LN LN TRN TRN LN LN SW
PROP ROW
② ② 1.5% 2.0% ① ① 2.0% 1.5% ② ②
℄ & PGL
SH205-N
TYPE II CURB, TYP

PROPOSED SH 205 TYPICAL SECTION
STA 1208+36 TO STA 1227+02


24'
12' 12'
LN LN
2.0% 2.0%
②
②

PROPOSED TYPICAL SECTION
LAVON CIRCLE


10' 69' 10'
EX ROW
4' 5' 12' 12' 21' 12' 12' 5' 4'
SW LN LN MEDIAN LN LN SW
1.5% 2.0% ① ① 2.0% 1.5%
TYPE II CURB, TYP

PROPOSED TYPICAL SECTION
ENDEAVOR BLVD

PARCEL DATA

MAP ID	OWNER	PARCEL ADDRESS
C-6	STATE OF TEXAS	PO BOX 133067
C-7	WILLIAMS JOE D JR & CAROL A	PO BOX 99
C-8	205-78 LTD	7995 LBJ FWY STE 250
C-9	BEAR CREEK COMMERCIAL PROPERTIES LP	1601 ELM ST STE 3400
C-10	205-78 LTD	7995 LBJ FWY STE 250
C-11	205-78 LTD	7995 LBJ FWY STE 250
C-12	BEAR CREEK COMMERCIAL PROPERTIES LP	1601 ELM ST STE 3400
C-13	BROWN D P (TESTAMENTARY) TRUST	PO BOX 4475
C-14	BEAR CREEK COMMERCIAL PROPERTIES LP	1601 ELM ST STE 3400
C-15	WORLD LAND DEVELOPERS LP	1601 ELM ST STE 3400
C-16	LAVON GRAND HERITAGE HOMEOWNERS ASSOCIATION INC	200 GRAND HERITAGE BLVD
C-17	LAVON GRAND HERITAGE HOMEOWNERS ASSOCIATION INC	200 GRAND HERITAGE BLVD
C-18	DPB INVESTMENTS LP	PO BOX 4475
C-19	DPB INVESTMENTS LP	PO BOX 4475
C-20	M-TEX PROPERTIES LIMITED PARTNERSHIP	925 LAVON CIR
C-21	MAIN JOHN JOINT VENTURE OF LAVON BUSINESS PARK	1410 CAMELOT LN
C-22	SKELTON BETTY BOYD	6023 RIVERVIEW WAY
C-23	ARBOGAST JOHN SR	329 COLUMBIA DR
C-24	COLLIN COUNTY	2300 BLOOMDALE RD
C-25	MOLINAR ROBERT	10575 STATE HIGHWAY 205
C-26	LATTIMORE MATERIALS CO LP	PO BOX 566
C-27	LATTIMORE PROPERTIES	PO BOX 556
C-28	ALBRIGHT IOLA	6238 DANBURY LN
C-29	MOORE CURTIS	602 STRICKLAND RD
C-30	LONE STAR HARDSCAPES LLC	PO BOX 153
C-31	CURTIS JOYCE PAYTON	PO BOX 177
C-33	LONE STAR HARDSCAPES LLC	PO BOX 153

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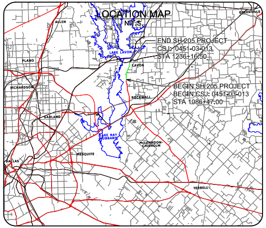
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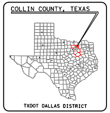
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0 10 20 30 40
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HORIZONTAL SCALE: 1"=200'

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