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

SH 205 DESIGN SCHEMATIC
FROM NORTH OF JOHN KING (ROCKWALL C/L)
TO SH 78
COLLIN COUNTY, TEXAS
CSJ: 0451-03-013

APPROVED SCHEMATIC
AUGUST 30, 2017

PROJECT LENGTH	2.9 MILES
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
DAILY TRAFFIC (2) AVERAGE	53,100 (2014)
	53,100 (2034)
DESIGN SPEEDS	45 MPH
CROSS STREETS	SH 205

AUGUST 2017
ROLL 1 OF 3

LOCATION MAP

COLLIN COUNTY, TEXAS

TEXAS COUNTY MAP
N.T.S.

HALFF
AN AECOM AND WSP COMPANY
1201 NORTH BOWSER RD.
RICHARDSON, TEXAS 75081
TBPE F-2018

DATE SUBMITTED	8/30/2017
DATE APPROVED	8/30/2017

HORIZONTAL SCALE: 1"=200'

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LEGEND:

- EXISTING ROW
- EXISTING PROPERTY LINES
- EXISTING CULVERT
- EXISTING CONCRETE
- PROPOSED SH 205 BASELINE
- PROPOSED CROSS STREET BASELINE
- PROPOSED TRANSITION BASELINE
- PROPOSED ROW
- PROPOSED EASEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BRIDGE DENT/ABUTMENT
- PROPOSED RETAINING WALL
- TOP OF FLOODPLAIN LIMITS
- DIRECTION OF FLOW
- PROPOSED BRIDGE
- EXISTING BRIDGE
- PROPOSED EASEMENT
- PROPOSED SIDEWALK
- POTENTIAL DISPLACEMENTS
- PAVEMENT / BRIDGE TO BE REMOVED
- EXISTING WATER
- EXISTING UNDERGROUND OPTIC
- EXISTING TELEPHONE / CABLE
- EXISTING ELECTRIC
- EXISTING GAS LINE
- EXISTING GAS LINE
- DIRECTIONAL CURB RAMP

GENERAL NOTES:

1. THE SCHEMATIC LAYOUTS ARE BASED ON LIMITED FIELD SURVEY, AERIAL TOPOGRAPHY MAPS, AND ARCGIS DATA. THE ROADWAY DESIGN WAS BASED ON FIELD SURVEYED, AERIAL TOPOGRAPHY DATA WAS COLLECTED ON APRIL OF 2016.
2. PARCEL LINES 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 NORMAL FACE OF WALL/CURB/BARRIER UNLESS NOTED.
4. SUPERELEVATION TRANSITIONS ARE CLEAR 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 (WALL SIGNS) WILL NOT BE DEVELOPED UNTIL PS&E DESIGN.
7. FORECAST DAILY TRAFFIC VOLUME PROJECTIONS DEVELOPED BY TXDOT TPAP (MARCH 2015).
8. MAJOR INTERSECTION CURVE RADII ARE 50'; MINOR INTERSECTION CURVE RADII ARE 30'; AND DRIVEWAY 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 OPENINGS WILL 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 MAPS DATED AUGUST 2014.
12. CONSTRUCTION OF DRIVEWAYS OUTSIDE OF EXISTING AND PROPOSED RIGHT OF WAY SHALL REQUIRE CONSTRUCTION AGREEMENTS.

TRAFFIC DIAGRAM

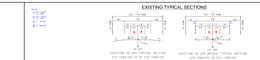
PARCEL DATA

Parcel	Owner's Name	Parcel Address
2-AL	DALLAS CITY OF	CR945/WILLIS ST
2-BL	DALLAS CITY OF	CR945/WILLIS ST
2-CL	SCHMITZ & FRANKLIN	2150 STATE HIGHWAY 205
2-DL	BLACK GERALD & CINDY	1885 LAKESVIEW DR
2-EL	BLACK GERALD & CINDY	1885 LAKESVIEW DR
2-FL	GUANTE DIANA	CR 945
2-GL	GUANTE DIANA	CR 945
2-HL	NAPPS D RUNAKS	2110 CR945 RD
2-IL	NAPPS D RUNAKS	2110 CR945 RD
2-JL	SANDERS MARVIN & SANDRA	2160 STATE HIGHWAY 205
2-KL	SAHAN TIM DON & ELIZABE	2216 COUNTY ROAD 480
2-LL	SAHAN TIM DON & ELIZABE	2216 COUNTY ROAD 480
2-ML	JACKSON TIM & TERRI	2300 HIGHWAY 205
2-NL	JACKSON TIM & TERRI	2300 HIGHWAY 205
2-OL	SAHAN TIM DON & ELIZABE	2216 COUNTY ROAD 480
2-PL	SAHAN TIM DON & ELIZABE	2216 COUNTY ROAD 480
2-QL	WILLIAMS TIM	2400 NORTH BOUNDARY EXT
2-RL	WHITE BRANDON	2700 COUNTY ROAD 1207
2-SL	NORTH TEXAS MUNICIPAL WATER	CR 945
2-TL	SALAZARS ROBERT & PATRICIA	2170 STATE HIGHWAY 205
2-UL	SALAZARS ROBERT & PATRICIA	2170 STATE HIGHWAY 205
2-VL	SALAZARS ROBERT & PATRICIA	2170 STATE HIGHWAY 205
2-WL	SALAZARS ROBERT & PATRICIA	2170 STATE HIGHWAY 205
2-XL	BRAITEN JOE & GAIL	2210 STATE HIGHWAY 205
2-YL	MARTINEZ GUADALUPE JR	2177 STATE HIGHWAY 205
2-ZL	MARTINEZ GUADALUPE JR	2177 STATE HIGHWAY 205
2-AAL	DICKINSON TERRELL W	2180 STATE HIGHWAY 205
2-BBL	DICKINSON CHRISTY L	2180 STATE HIGHWAY 205
2-CCL	DICKINSON TERRELL W	2180 STATE HIGHWAY 205
2-DDL	ALVARADO ALBERT	2210 STATE HIGHWAY 205
2-EEL	ANDREWS JAMES COOPER JR	PO BOX 142
2-FFL	DALLAS CITY OF	CR945/WILLIS ST
2-GGL	DALLAS CITY OF	CR945/WILLIS ST
2-HHL	KIRBY ROBERTA	2300 STATE HIGHWAY 205
2-IIL	KIRBY ROBERTA	2300 STATE HIGHWAY 205
2-JJL	CHENOWETH PAULA	2400 COUNTY ROAD 1207
2-KKL	CHENOWETH PAULA	2400 COUNTY ROAD 1207
2-LLL	WEEVER WALTER E JR	2004 STRINGFELLOW LN
2-MML	WEEVER WALTER E JR	2004 STRINGFELLOW LN
2-NNL	WHITE TIM DON & VIRGINIA E	2120 STATE HIGHWAY 205
2-OOL	WHITE TIM DON & VIRGINIA E	2120 STATE HIGHWAY 205
2-PPL	WILLIAM TRACY & SUSAN	2130 STATE HIGHWAY 205
2-QQL	WILLIAM TRACY & SUSAN	2130 STATE HIGHWAY 205
2-RRL	SCOTT JOHN WAYNE & SANDY ROSS	2160 PO BOX 1200
2-SSL	WADSTEIN DAVID	2300 W ALLEN MUNTON PKWY
2-TTL	WADSTEIN DAVID	2300 W ALLEN MUNTON PKWY
2-UUL	CUMMINGS JAMES PETER	2380 STATE HIGHWAY 205
2-VVL	LANGSTON GAYE E & KATHRYN	2390 STATE HIGHWAY 205
2-WWL	LANGSTON GAYE E & KATHRYN	2390 STATE HIGHWAY 205
2-XXL	MANICO DAVID L &	2500 WAYNNA ROSE DR
2-YYL	MANICO DAVID L &	2500 WAYNNA ROSE DR
2-ZZL	CARLETA W W JR FOUNDATION	2770 PARKER ROADRD
2-AAAL	SANDY CHENG-HWA STATUTORY	2910 STATE HIGHWAY 205

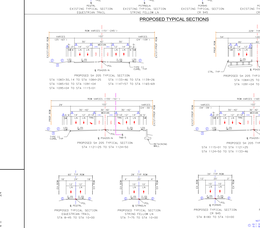
SUPERELEVATION DATA

BEGIN TRANSITION	BEGIN FULL SUPER	END TRANSITION	END FULL SUPER
1+00	0.0%	1+00	0.0%
1+00.00	0.0%	1+00.00	0.0%
1+00.00	0.0%	1+00.00	0.0%
1+00.00	0.0%	1+00.00	0.0%

EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS



TYPICAL CROSSES AT BEGIN SH 205 PROJECT
SEE SHEET 2 FOR TYPICAL CROSS SLOPES

CURVE DATA

PSUDO-N CURVES

CURVE	P.I. STATION	R1 STATION	R2 STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
PSUDO#1	1001+51.71	1000+00.00	1103+00.00	06°-00'-00"	3819.72'	199.71'	399.99'	N 71°-21'-12.0" W	399.79'	1000+00.00	1103+00.00	N 74°-21'-12.0" W	N 68°-21'-12.0" W
PSUDO#2	1103+00.00	1103+00.00	1106+00.00	01°-00'-00"	3819.72'	38.20'	76.39'	N 67°-21'-12.0" W	76.39'	1103+00.00	1106+00.00	N 68°-21'-12.0" W	N 67°-21'-12.0" W
PSUDO#3	1106+00.00	1106+00.00	1109+00.00	01°-00'-00"	3819.72'	38.20'	76.39'	N 66°-21'-12.0" W	76.39'	1106+00.00	1109+00.00	N 67°-21'-12.0" W	N 66°-21'-12.0" W
PSUDO#4	1109+00.00	1109+00.00	1112+00.00	01°-00'-00"	3819.72'	38.20'	76.39'	N 65°-21'-12.0" W	76.39'	1109+00.00	1112+00.00	N 66°-21'-12.0" W	N 65°-21'-12.0" W
PSUDO#5	1112+00.00	1112+00.00	1115+00.00	01°-00'-00"	3819.72'	38.20'	76.39'	N 64°-21'-12.0" W	76.39'	1112+00.00	1115+00.00	N 65°-21'-12.0" W	N 64°-21'-12.0" W
PSUDO#6	1115+00.00	1115+00.00	1118+00.00	01°-00'-00"	3819.72'	38.20'	76.39'	N 63°-21'-12.0" W	76.39'	1115+00.00	1118+00.00	N 64°-21'-12.0" W	N 63°-21'-12.0" W
PSUDO#7	1118+00.00	1118+00.00	1121+00.00	01°-00'-00"	3819.72'	38.20'	76.39'	N 62°-21'-12.0" W	76.39'	1118+00.00	1121+00.00	N 63°-21'-12.0" W	N 62°-21'-12.0" W

CROSS STREET CURVES

CURVE	P.I. STATION	R1 STATION	R2 STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
R-CURVE1	1+00.00	R-CURVE1 BTA	R-CURVE1 ETA	18°-00'-00.0"	200.00'	31.78'	63.01'	N 75°-00'-00.0" W	62.76'	0+68.22'	1+31.23	N 84°-00'-00.0" W	N 66°-00'-00.0" W

TRANSITION CURVES

CURVE	P.I. STATION	R1 STATION	R2 STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
TRN_P1	1+00.00	R-CURVE1 BTA	R-CURVE1 ETA	18°-00'-00.0"	200.00'	31.78'	63.01'	N 75°-00'-00.0" W	62.76'	0+68.22'	1+31.23	N 84°-00'-00.0" W	N 66°-00'-00.0" W

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DALLAS DISTRICT
JAMES K. SELMAN, P.E., DISTRICT ENGINEER

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