Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

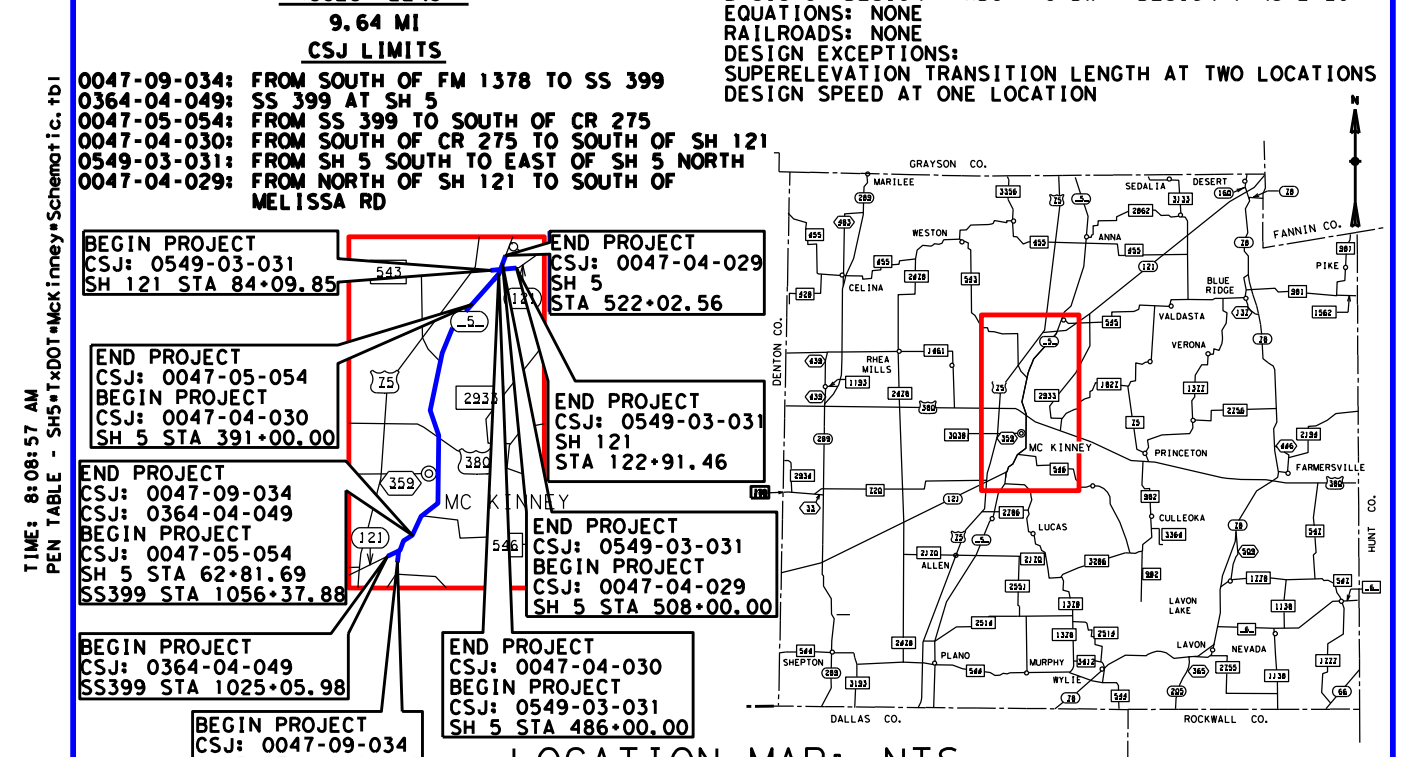
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
FANNIN CO.
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
CELINA
WESTON
ANNA
PRINCETON
ALLEN
PLANO
LUCAS
WYLIE

LOCATION MAP: NTS

PUBLIC MEETING
NOVEMBER 27, 2018

PRELIMINARY
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
OSWALD F. GARCIA P.E. 109889
11/27/2018

INDEX OF ROLLS
- ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
- ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
- ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
- ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
- ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
- ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
- ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
- ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
- ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
- ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
- ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
- ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

MCi Moreno Cardenas Inc.
Leaders in Project Delivery & Performance

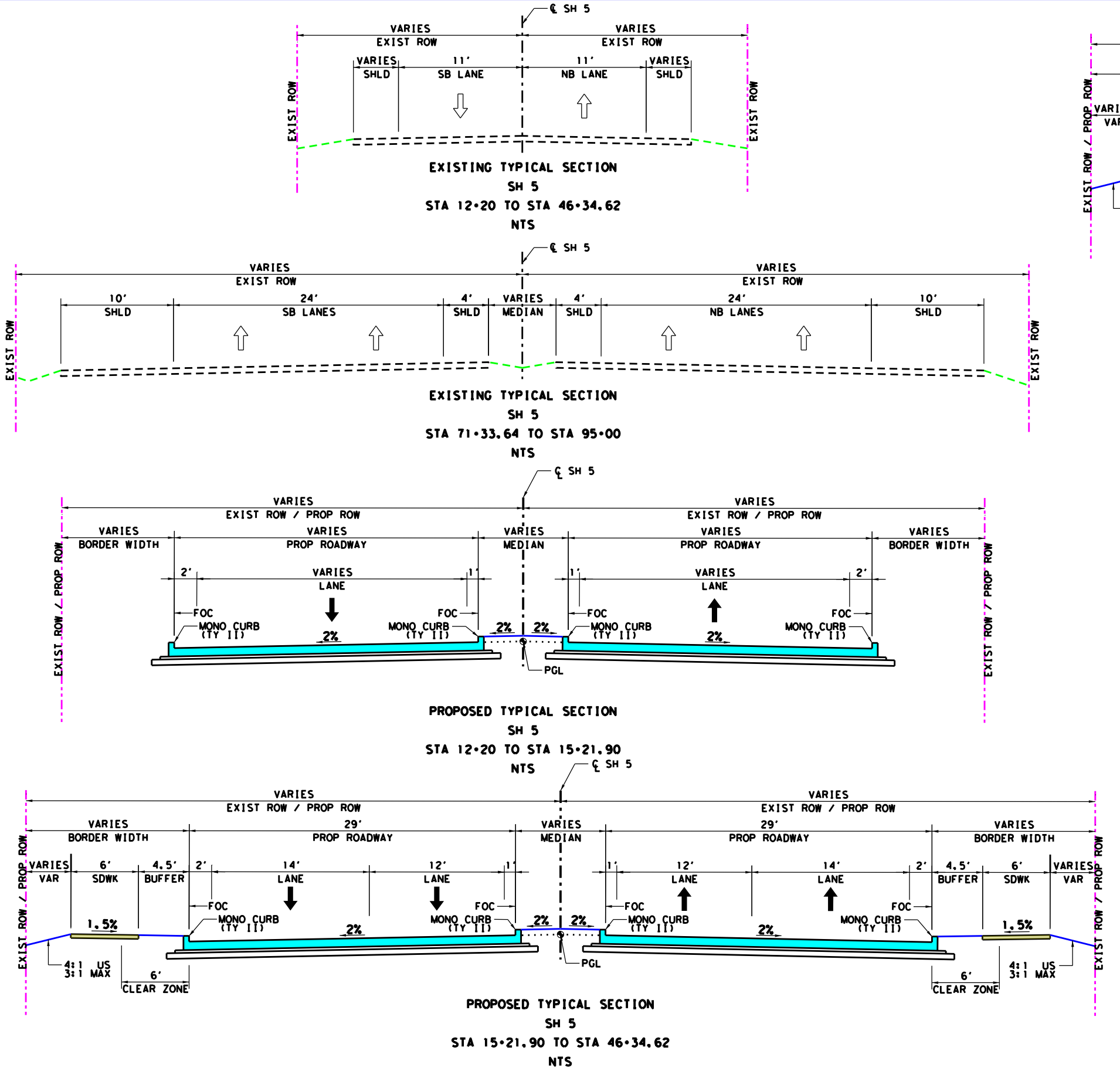
TBPE Firm Registration No. F-000554

PLAN & PROFILE
SH 5
STA 12+20 TO STA 95+00

ROLL 1 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
MCI	6	XX (XX) XXXX		S-001
DRAWN BY:	STATE	DIST.	COUNTY	
MCI	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
MCI	0047	05	054, etc.	SH 5

TIME: 8:08:57 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl
DATE: 11/27/2018
FILE: ...\d0437948\5PP10*101.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF*Full.pltcfg

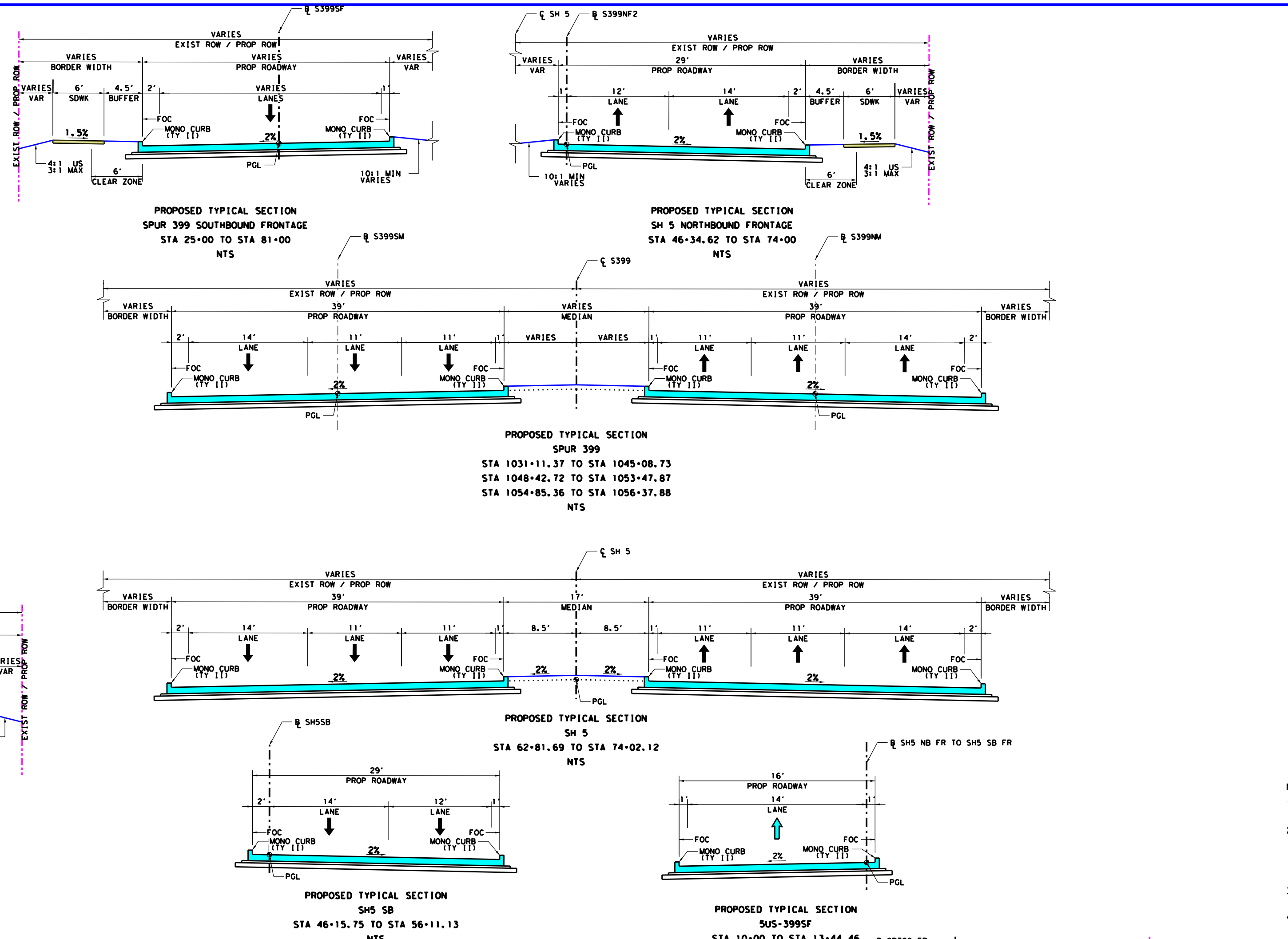

℄ SH 5
VARIES EXIST ROW
VARIES SHLD
11' SB LANE
11' NB LANE
10' SHLD
24' SB LANES
4' SHLD
VARIES MEDIAN
24' NB LANES
EXIST ROW
VARIES EXIST ROW / PROP ROW
VARIES BORDER WIDTH
VARIES PROP ROADWAY
29' PROP ROADWAY
VARIES LANE
14' LANE
12' LANE
VARIES VAR
6' SDWK
4.5' BUFFER
FOC
MONO CURB (TY II)
2%
1.5%
PGL
4:1 US 3:1 MAX
6' CLEAR ZONE
EXIST ROW / PROP ROW

EXISTING TYPICAL SECTION
SH 5
STA 12+20 TO STA 46+34.62
NTS

EXISTING TYPICAL SECTION
SH 5
STA 71+33.64 TO STA 95+00
NTS

PROPOSED TYPICAL SECTION
SH 5
STA 12+20 TO STA 15+21.90
NTS

PROPOSED TYPICAL SECTION
SH 5
STA 15+21.90 TO STA 46+34.62
NTS


℄ S399SF
℄ SH 5
℄ S399NF2
℄ S399SM
℄ S399NM
℄ S399
℄ SH5SB
℄ SH5 NB FR TO SH5 SB FR
VARIES EXIST ROW / PROP ROW
VARIES BORDER WIDTH
VARIES PROP ROADWAY
29' PROP ROADWAY
39' PROP ROADWAY
16' PROP ROADWAY
17' MEDIAN
8.5'
VARIES LANES
14' LANE
12' LANE
11' LANE
6' SDWK
4.5' BUFFER
FOC
MONO CURB (TY II)
2%
1.5%
PGL
4:1 US 3:1 MAX
10:1 MIN VARIES
6' CLEAR ZONE

PROPOSED TYPICAL SECTION
SPUR 399 SOUTHBOUND FRONTAGE
STA 25+00 TO STA 81+00
NTS

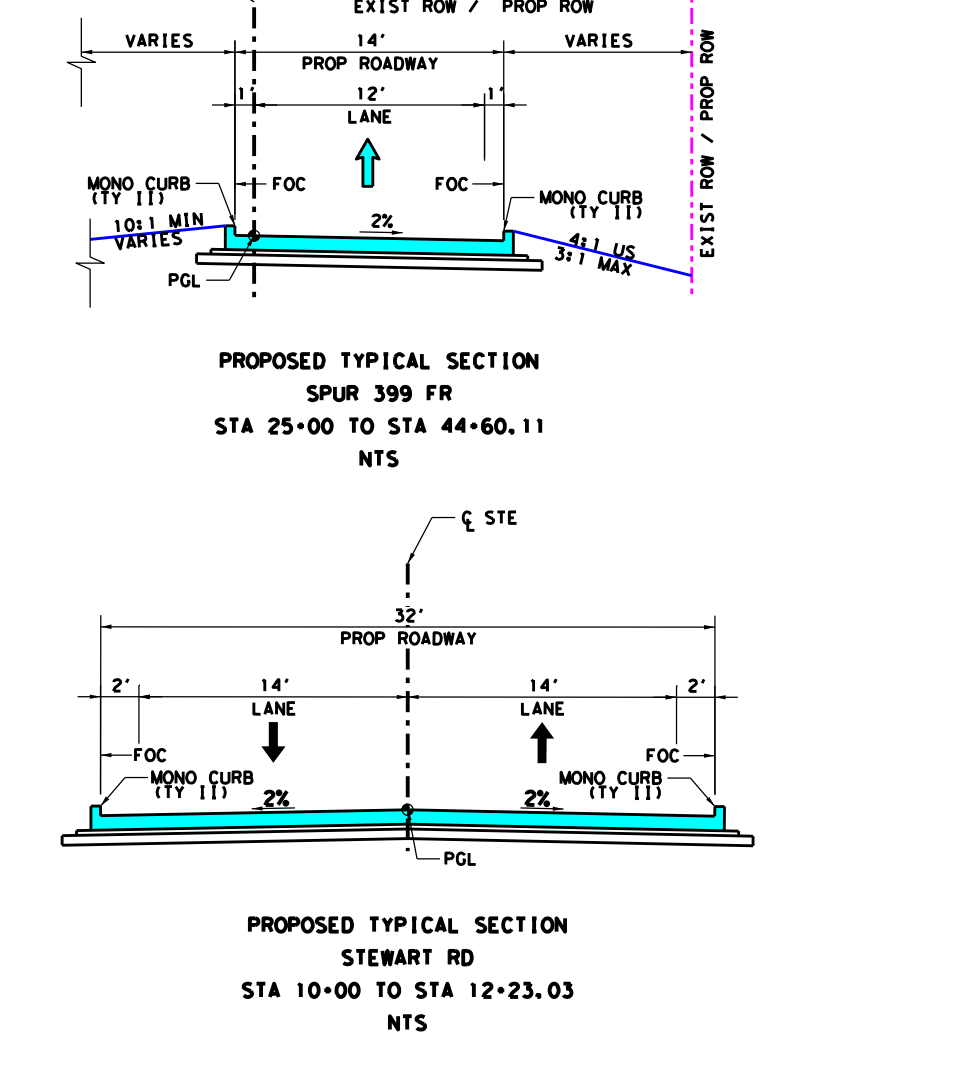
PROPOSED TYPICAL SECTION
SH 5 NORTHBOUND FRONTAGE
STA 46+34.62 TO STA 74+00
NTS

PROPOSED TYPICAL SECTION
SPUR 399
STA 1031+11.37 TO STA 1045+08.73
STA 1048+42.72 TO STA 1053+47.87
STA 1054+85.36 TO STA 1056+37.88
NTS

PROPOSED TYPICAL SECTION
SH 5
STA 62+81.69 TO STA 74+02.12
NTS

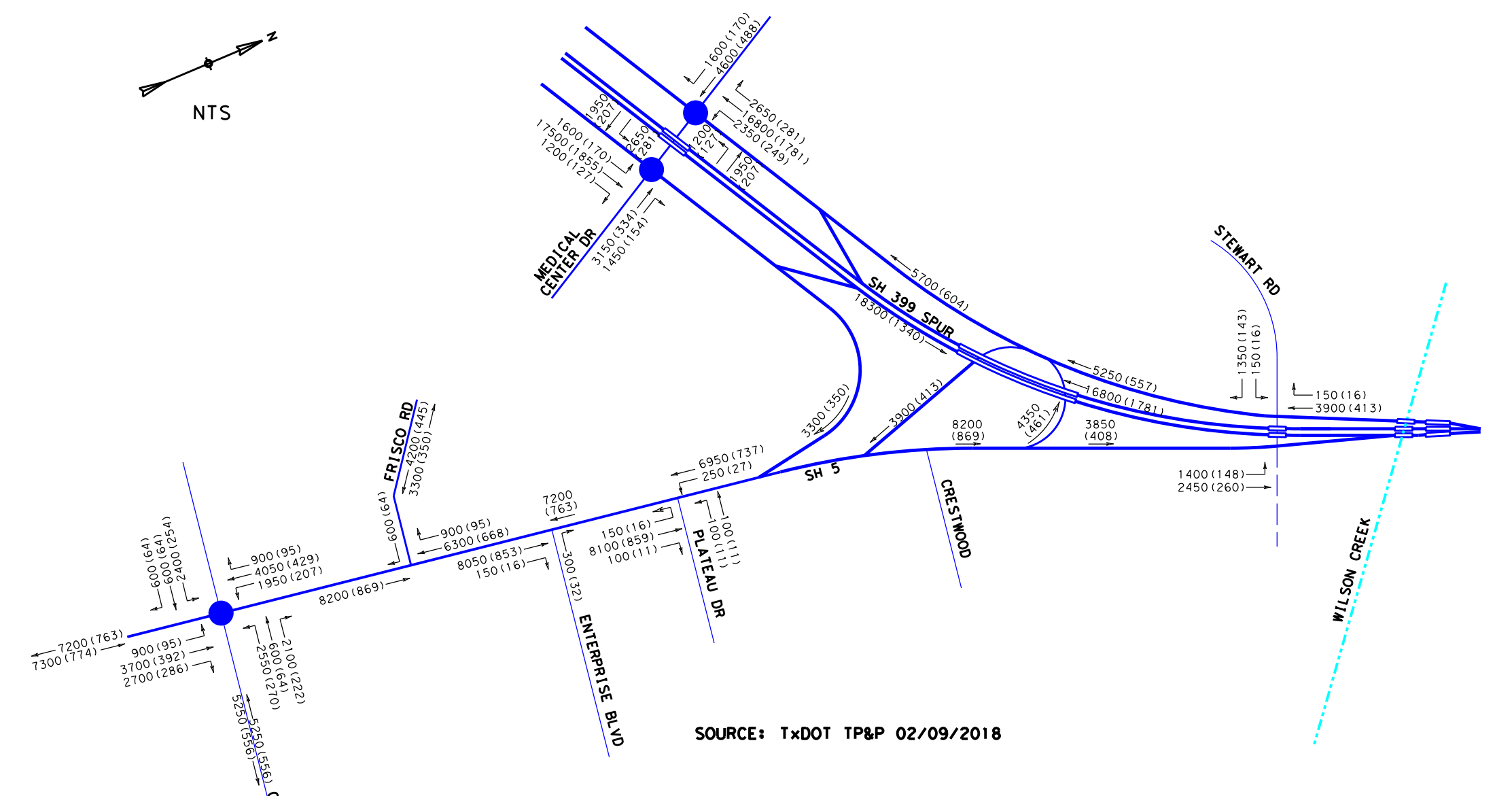
PROPOSED TYPICAL SECTION
SH5 SB
STA 46+15.75 TO STA 56+11.13
NTS

PROPOSED TYPICAL SECTION
5US-399SF
STA 10+00 TO STA 13+44.46
NTS


℄ SP399 FR
VARIES EXIST ROW / PROP ROW
14' PROP ROADWAY
12' LANE
32' PROP ROADWAY
14' LANE
2'
FOC
MONO CURB (TY II)
10:1 MIN VARIES
4:1 US 3:1 MAX
2%
PGL
℄ STE

PROPOSED TYPICAL SECTION
SPUR 399 FR
STA 25+00 TO STA 44+60.11
NTS

PROPOSED TYPICAL SECTION
STEWART RD
STA 10+00 TO STA 12+23.03
NTS


NTS
SH 399 SPUR
SH 5
MEDICAL CENTER DR
FRISCO RD
ENTERPRISE BLVD
PLATEAU DR
CRESTWOOD
STEWART RD
WILSON CREEK
COUNTRY CLUB RD (FM 1378)
7200 (763)
7300 (774)
900 (95)
3700 (392)
2700 (286)
600 (64)
600 (64)
2400 (254)
4050 (429)
1950 (207)
2100 (222)
600 (64)
2550 (270)
5250 (556)
5250 (556)
8200 (869)
600 (64)
6300 (668)
4200 (445)
3300 (350)
8050 (853)
150 (16)
7200 (763)
300 (32)
150 (16)
8100 (859)
100 (11)
6950 (737)
250 (27)
3300 (350)
3900 (413)
8200 (869)
4350 (461)
3850 (408)
18300 (1340)
5700 (604)
5250 (557)
16800 (1781)
1350 (143)
150 (16)
3900 (413)
1400 (148)
2450 (260)
1600 (170)
4600 (488)
2650 (281)
16800 (1781)
2350 (249)
17500 (1855)
1200 (127)
3150 (334)
1450 (154)

SOURCE: TxDOT TP&P 02/09/2018

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

LEGEND:
- ● SIGNALIZED INTERSECTION
- XX (XX) 2040 ADT (PK HR VOLUMES)

PROPERTY OWNERS

SOURCE: COLLIN COUNTY APPRAISAL DISTRICT FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
1	668 COUNTRY CLUB RD	APPLE PROP	
2	678 COUNTRY CLUB RD	APPLE GEORGE W SR	
3	STATE HWY 5	PATSY REMBERT A NEVIL ETAL	
4	FAIRVIEW, TX 75069	FRISCO ROAD LTD	
5	650 FRISCO RD	FRISCO ROAD LTD	
6	640 FRISCO RD	FRISCO ROAD LTD	
7	651 COUNTRY CLUB RD	EWBANK DEVELOPMENT LLC	
8	960 S STATE HWY 5	EWBANK DEVELOPMENT LLC	
9	671 COUNTRY CLUB RD	WILHITE CHARLES LEE & SHERILYN KAY	
10	970 S STATE HWY 5	COLLIN BAPTIST ASSN INC	COLLIN BAPTIST ASSOC.
11	990 S STATE HWY 5	JENCO LTD	
12	1102 S STATE HWY 5	DFW 2005 INC	
13	1100 S STATE HWY 5	DFW 2005 INC	
14		MCKINNEY MED CENTER LP	MCKINNEY URBAN VILLAGE
15	STATE HWY 5	CAAG LAND COMPANY LLC	OAKSTREET NURSERY
16	1010 S STATE HWY 5	LEONEL & LAZOS	
17	1030 S STATE HWY 5	ZELMA ENLOE	
18	1040 S STATE HWY 5	CAAG LAND COMPANY LLC	OAKSTREET NURSERY
19	2400 S MCDONALD ST	MOLINAR RUBEN JR	OAKSTREET NURSERY
20	2400 S MCDONALD ST	MOLINAR RUBEN JR	OAKSTREET NURSERY
21	201 MCKINNEY VILLAGE PKWY	MCKINNEY URBAN VILLAGE LP	MCKINNEY URBAN VILLAGE
22	MCKINNEY, TX 75069	MITCHELL KENNETH H	
23	MEDICAL CENTER DR	MCKINNEY MED CENTER LP	
24	MCKINNEY, TX 75069	MITCHELL KENNETH H	
25	2211 S STATE HWY 5	A & W PROPERTIES JV	
26		A & W PROPERTIES JV	
27	STATE HWY 5	A & W PROPERTIES JV	
28	3911 MEDICAL CENTER DR	7-ELEVEN INC	7-ELEVEN
29	STATE HWY 121 'ROW'	STATE OF TEXAS	
30	3191 MEDICAL CENTER DR	MCKINNEY FAIRWAYS LLC	
31	STATE HWY 5	STATE OF TEXAS	
32	STATE HWY 5	VILLA VIEW MHC LTD	VILLA VIEW MHP
33	2015 S MCDONALD ST	SHMAISANI ISSAM AL	COWTOWN REDIMIX
34	2110 S MCDONALD ST	KENNETH RAY- LE & STRICKLAND	
35	1515 STEWART RD	JEANES OSCAR L	
36	1513 STEWART RD	CITY OF MCKINNEY	
37	STATE HWY 5 (S MCDONALD)	TXI OPERATIONS LP	MARTIN MARIETTA READY MIX

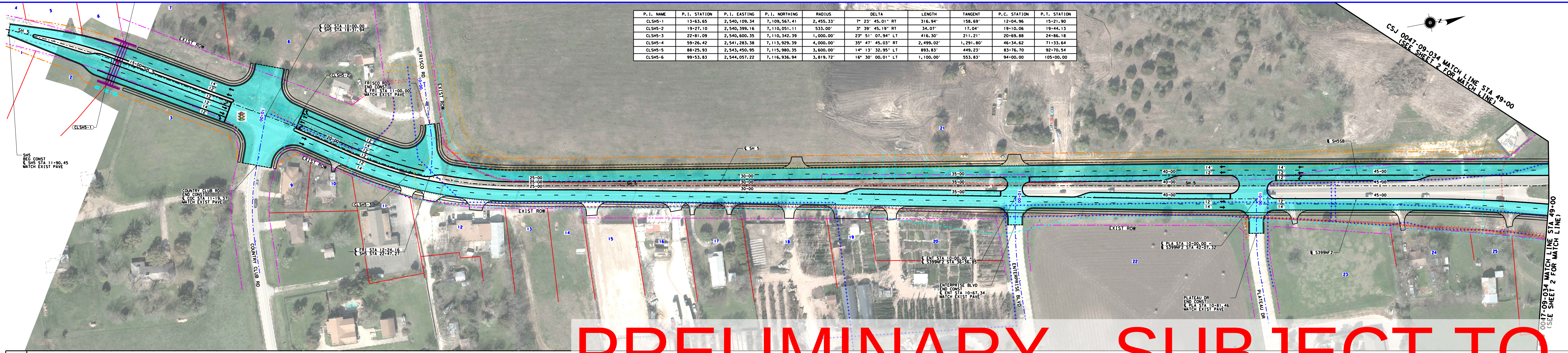
HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

COLOR LEGEND

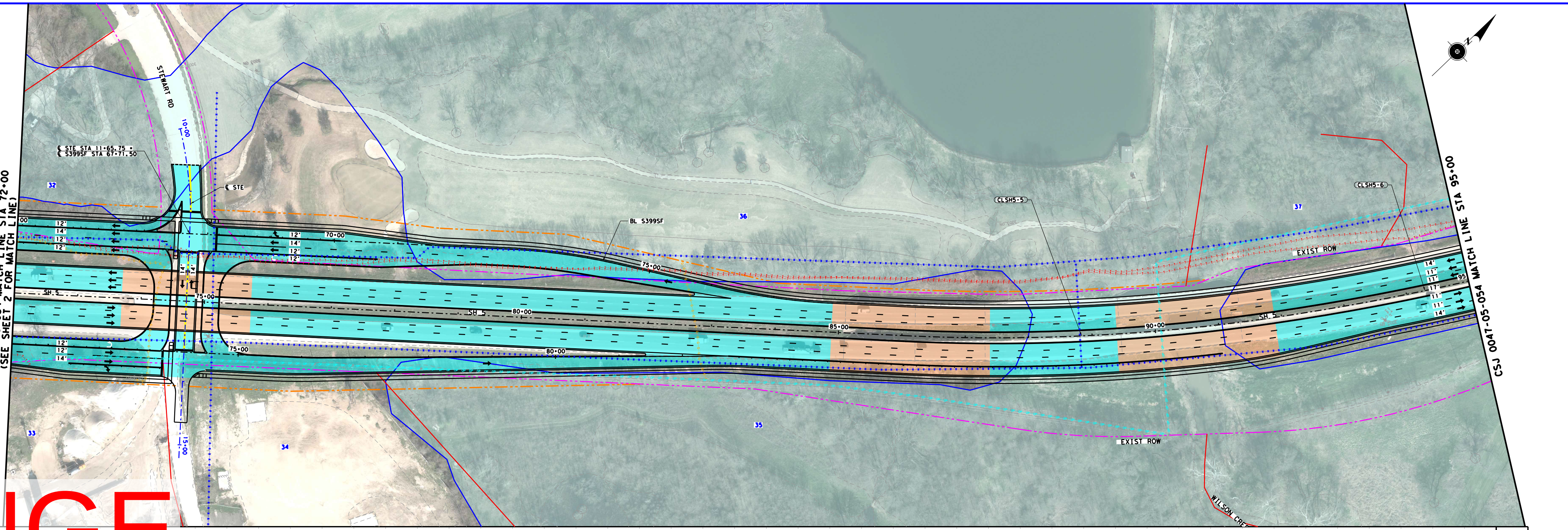
- 🟦 PROPOSED MAINLANES
- 🟧 PROPOSED BRIDGE
- ⬜ PROPOSED DRIVEWAY
- 🟪 PROPOSED CROSS STREET
- 🟨 PROPOSED DIRECT CONNECTOR
- 🟨 PROPOSED SIDEWALK
- 🟫 PROPOSED RAMP
- 🟦 PROPOSED PAVED MEDIAN
- 🟩 PROPOSED NON-PAVED MEDIAN
- ⬜ 100 YEAR FLOOD PLAIN
- ── EXISTING PAVEMENT (BY OTHERS)
- ▨ EXISTING PAVEMENT TO BE REMOVED
- ▨ EXISTING BUILDING TO BE REMOVED
- —·—·— CENTERLINE/BASELINE (CROSS STREETS)
- —·—·— CENTERLINE (MAINLANE)
- —··— PROPOSED ROW
- — — — PROPOSED PERMANENT EASEMENT
- — — — PROPOSED TEMPORARY EASEMENT
- —··— CITY LIMITS
- —··— EXISTING ROW
- ── PROPERTY LINES
- ──ıı── CONTROL OF ACCESS
- PROPOSED RETAINING WALL
- ← PROPOSED TRAFFIC FLOW
- ⇦ EXISTING TRAFFIC FLOW
- ···OT···OT···OT··· OVERHEAD TELEPHONE UTIL
- ···OP···OP···OP··· OVERHEAD ELECTRIC UTIL
- ···OC···OC···OC··· OVERHEAD CABLE UTIL
- ···T···T···T···T··· BURIED TELEPHONE UTIL
- ···P···P···P···P··· BURIED ELECTRIC UTIL
- ···C···C···C···C··· BURIED CABLE UTIL
- ···W···W···W···W··· BURIED WATER UTIL
- ···WW···WW···WW··· BURIED SEWER UTIL
- ···G···G···G···G··· BURIED GAS/OIL UTIL
- - - - - - - BURIED SOLID WASTE LINE
- (XXXXX-XX) HORIZONTAL CURVE NAME
- XXX PROPERTY ID NUMBER
- EXISTING DRAINAGE STRUCTURES
- PROPOSED DRAINAGE STRUCTURES
- 🚦 PROPOSED SIGNALIZED INTERSECTION

NOTES:

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

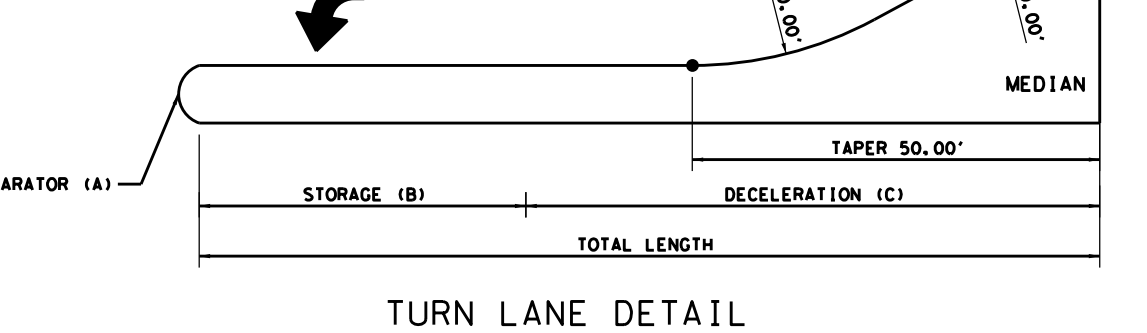

SH 5
SH5 BEG CONST ℄ SH5 STA 11+90.45 MATCH EXIST PAVE
CLSH5-1

P.I. NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
CLSH5-1	13+63.65	2,540,109.34	7,109,567.41	2,455.33'	7° 23' 45.01" RT	316.94'	158.69'	12+04.96	15+21.90
CLSH5-2	19+27.10	2,540,399.16	7,110,051.11	533.00'	3° 39' 45.19" RT	34.07'	17.04'	19+10.06	19+44.13
CLSH5-3	22+81.09	2,540,600.35	7,110,342.39	1,000.00'	23° 51' 07.94" LT	416.30'	211.21'	20+69.88	24+86.18
CLSH5-4	59+26.42	2,541,283.38	7,113,929.39	4,000.00'	35° 47' 45.03" RT	2,499.02'	1,291.80'	46+34.62	71+33.64
CLSH5-5	88+25.93	2,543,450.95	7,115,980.35	3,600.00'	14° 13' 32.95" LT	893.83'	449.23'	83+76.70	92+70.54
CLSH5-6	99+53.83	2,544,057.22	7,116,936.94	3,819.72'	16° 30' 00.01" LT	1,100.00'	553.83'	94+00.00	105+00.00



PRELIMINARY - SUBJECT TO CHANGE

PENDING PROFILE UPDATES


SEPARATOR (A)
R 50.00'
R 50.00'
MEDIAN
TAPER 50.00'
STORAGE (B)
DECELERATION (C)
TOTAL LENGTH

TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
COUNTRY CLUB RD	17+77.52	3	100	275	375	L	NB
COUNTRY CLUB RD	N/A	N/A	100	275	375	R	NB
COUNTRY CLUB RD	19+36.06	3	100	275	375	L	SB
COUNTRY CLUB RD	N/A	N/A	100	170	270	R	SB
PLATEAU DR	42+61.33	21	100	275	375	L	SB
STEWART RD	N/A	N/A	100	275	375	L	NB
STEWART RD	N/A	N/A	100	275	375	L	SB
STEWART RD	N/A	N/A	100	275	375	R	SB

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40
COLOR LEGEND
NOTES: 1.–18. (as above)
Texas Department of Transportation
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COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
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FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PUBLIC MEETING
NOVEMBER 27, 2018
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FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
OSWALD F. GARCIA P.E. 109889
11/27/2018
Moreno Cardenas Inc.
TBPE Firm Registration No. F-000554
PLAN & PROFILE
SH 5
STA 12+20 TO STA 95+00
ROLL 1 OF 12 ROLLS
S-001

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

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EQUATIONS: NONE
RAILROADS: NONE
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SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION

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9.64 MI

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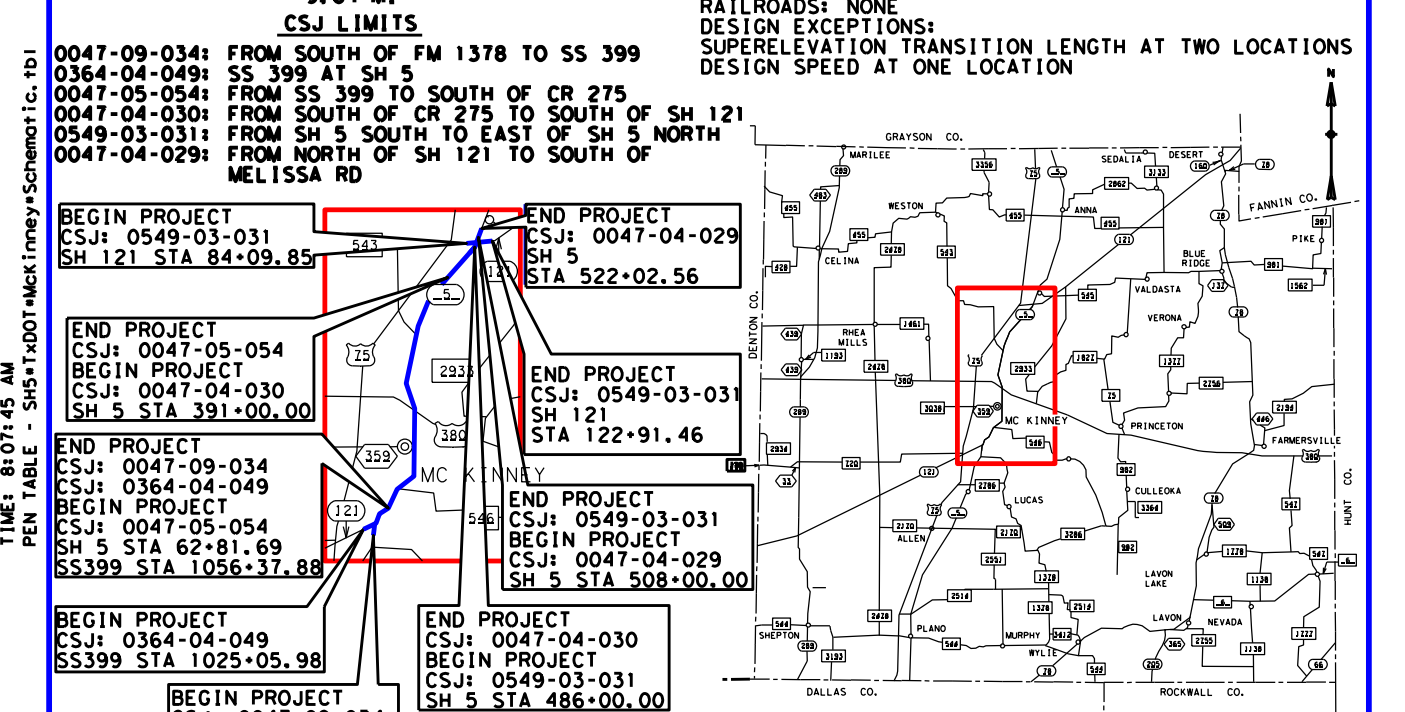
0047-05-054:	FROM SS 399 TO SOUTH OF CR 275
0047-04-030:	FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031:	FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029:	FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
DENTON CO.
DALLAS CO.
ROCKWALL CO.
HUNT CO.
FANNIN CO.

LOCATION MAP: NTS

PUBLIC MEETING
NOVEMBER 27, 2018

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
OSWALD F. GARCIA P.E. 109889
11/27/2018

INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

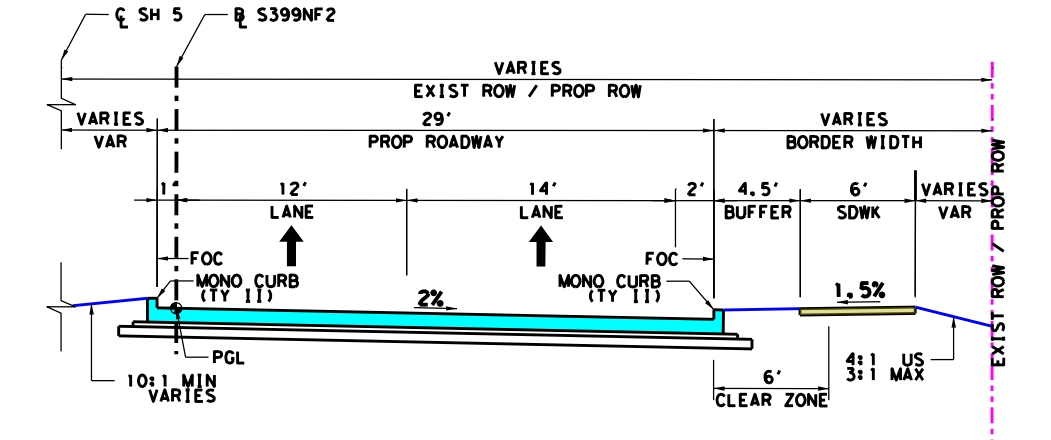
Moreno Cardenas Inc.
Leaders in Project Delivery & Performance
TBPE Firm Registration No. F-000554

PLAN & PROFILE
SH 5
STA 52+99 TO STA 70+00

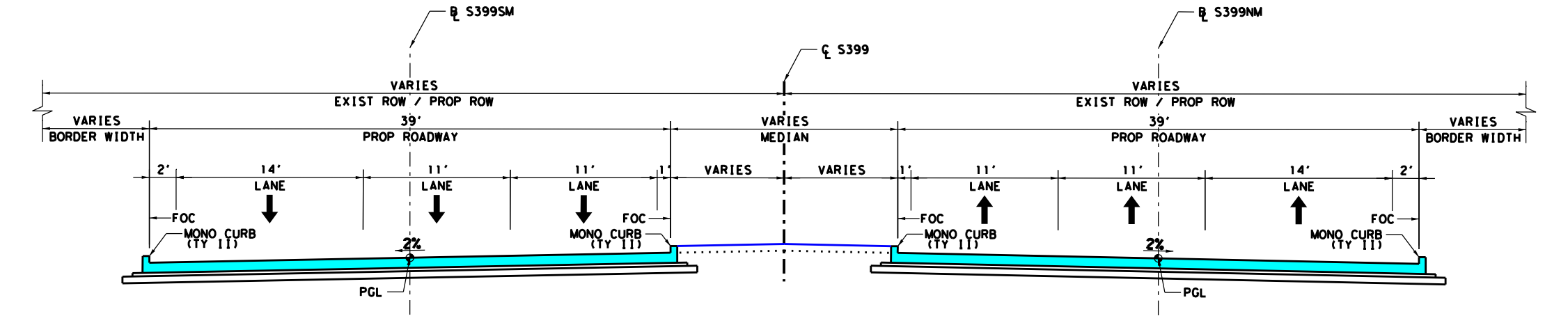
ROLL 2 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.			ROLL NO.
MCI	6	XX (XX) XXXX			S-002
DRAWN BY:	STATE	DIST.	COUNTY		
MCI	TEXAS	DAL	COLLIN		
CHECKED BY:	CONT	SEC	JOB		HIGHWAY NO.
MCI	0047	05	054, etc.		SH 5

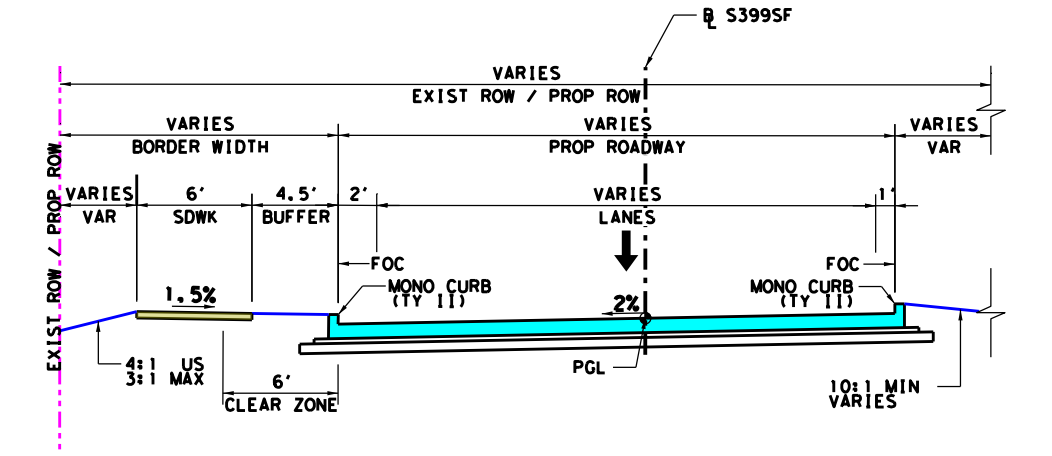
DATE: 11/27/2018
FILE: ...\d0437948\SPP10-102.dgn
ROLLPLOT - V8i-BAKER-WIN-CO-PDF-Full.pltcfg
TIME: 8:07:45 AM
PEN TABLE - SH5-TxDOT-McKinney-Schematic.tbl


℄ SH 5
℄ S399NF2
VARIES
EXIST ROW / PROP ROW
29'
PROP ROADWAY
12' LANE
14' LANE
4.5' BUFFER
6' SDWK
BORDER WIDTH
FOC
MONO CURB (TY II)
2%
1.5%
PGL
10:1 MIN VARIES
6' CLEAR ZONE
4:1 US 3:1 MAX

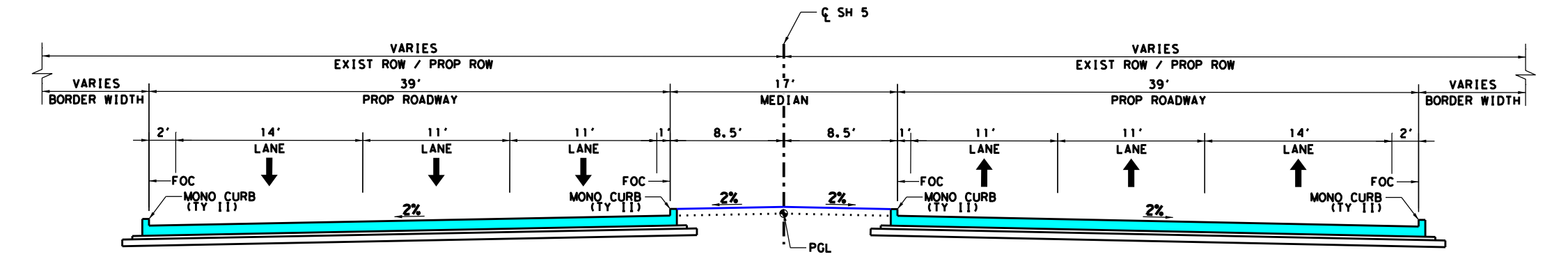
PROPOSED TYPICAL SECTION
SH 5 NORTHBOUND FRONTAGE
STA 46+34.62 TO STA 74+00
NTS


℄ S399SM
℄ S399
℄ S399NM
VARIES
EXIST ROW / PROP ROW
BORDER WIDTH
39'
PROP ROADWAY
MEDIAN
14' LANE
11' LANE
11' LANE
FOC
MONO CURB (TY II)
2%
PGL

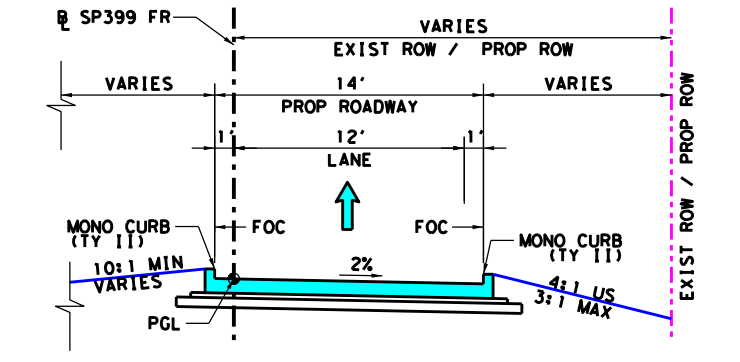
PROPOSED TYPICAL SECTION
SPUR 399
STA 1031+11.37 TO STA 1045+08.73
STA 1048+42.72 TO STA 1053+47.87
STA 1054+85.36 TO STA 1056+37.88
NTS


℄ S399SF
VARIES
EXIST ROW / PROP ROW
BORDER WIDTH
PROP ROADWAY
VARIES LANES
6' SDWK
4.5' BUFFER
1.5%
2%
FOC
MONO CURB (TY II)
PGL
4:1 US 3:1 MAX
6' CLEAR ZONE
10:1 MIN VARIES
EXIST ROW / PROP ROW

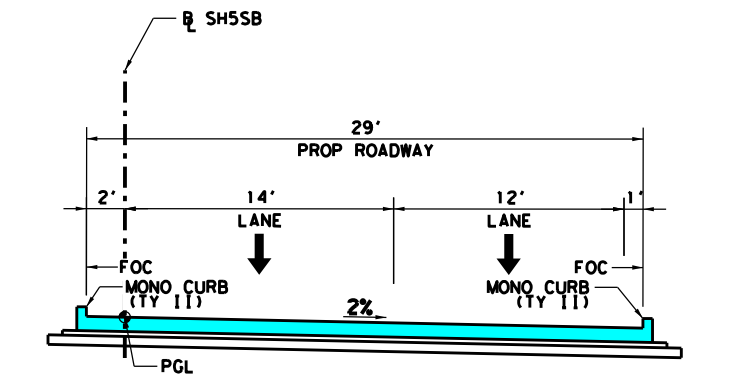
PROPOSED TYPICAL SECTION
SPUR 399 SOUTHBOUND FRONTAGE
STA 25+00 TO STA 81+00
NTS


℄ SH 5
VARIES
EXIST ROW / PROP ROW
BORDER WIDTH
39'
PROP ROADWAY
17'
MEDIAN
8.5'
8.5'
14' LANE
11' LANE
FOC
MONO CURB (TY II)
2%
PGL

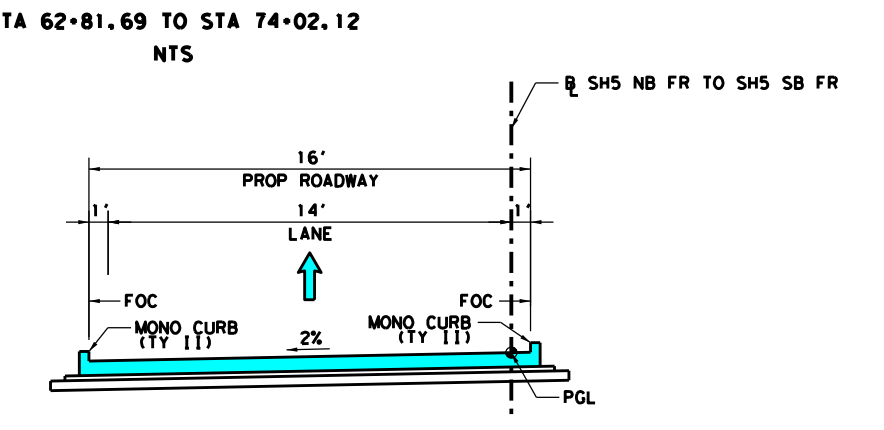
PROPOSED TYPICAL SECTION
SH 5
STA 62+81.69 TO STA 74+02.12
NTS


℄ SP399 FR
VARIES
EXIST ROW / PROP ROW
14'
PROP ROADWAY
12' LANE
FOC
MONO CURB (TY II)
2%
10:1 MIN VARIES
4:1 US 3:1 MAX
PGL

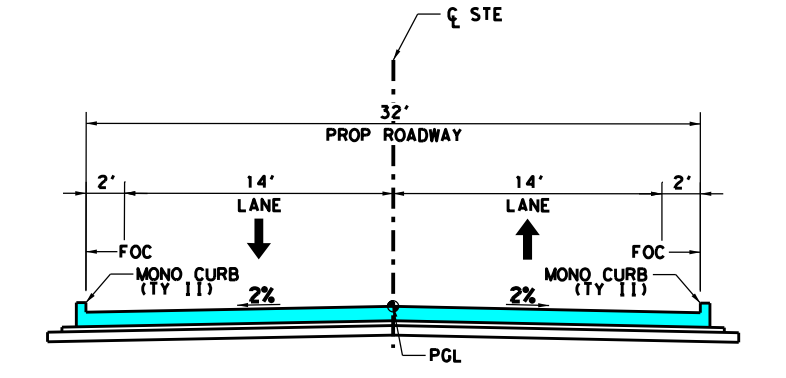
PROPOSED TYPICAL SECTION
SPUR 399 FR
STA 25+00 TO STA 44+60.11
NTS


℄ SH5SB
29'
PROP ROADWAY
14' LANE
12' LANE
FOC
MONO CURB (TY II)
2%
PGL

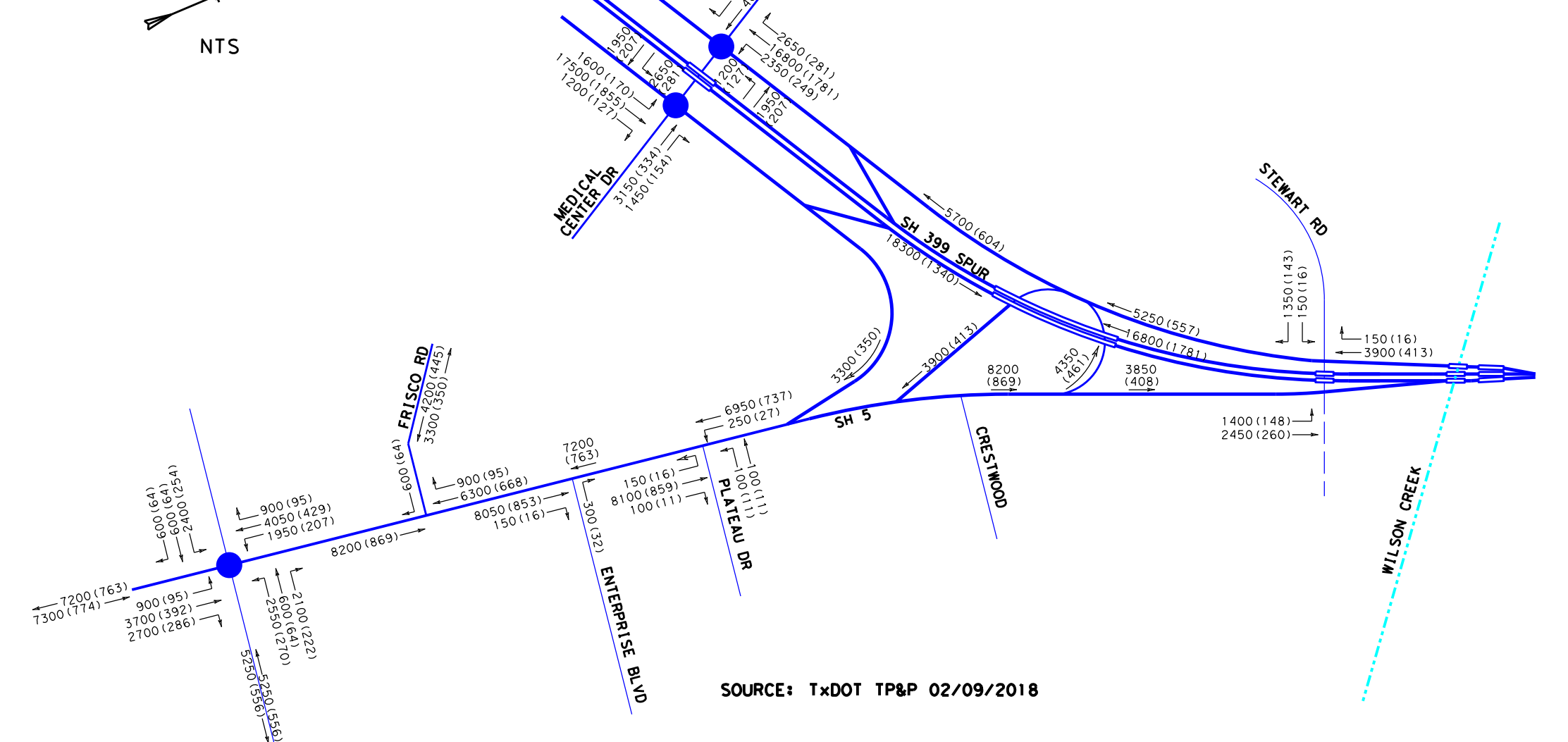
PROPOSED TYPICAL SECTION
SH5 SB
STA 46+15.75 TO STA 56+11.13
NTS


℄ SH5 NB FR TO SH5 SB FR
16'
PROP ROADWAY
14' LANE
FOC
MONO CURB (TY II)
2%
PGL

PROPOSED TYPICAL SECTION
5US-399SF
STA 10+00 TO STA 13+44.46
NTS


℄ STE
32'
PROP ROADWAY
14' LANE
14' LANE
FOC
MONO CURB (TY II)
2%
PGL

PROPOSED TYPICAL SECTION
STEWART RD
STA 10+00 TO STA 12+23.03
NTS


N
NTS
MEDICAL CENTER DR
SH 399 SPUR
STEWART RD
WILSON CREEK
CRESTWOOD
PLATEAU DR
ENTERPRISE BLVD
FRISCO RD
SH 5
COUNTRY CLUB RD (FM 1378)
1600(170)
4600(488)
2650(281)
16800(1781)
2350(249)
1950(207)
2650(281)
1200(127)
1600(170)
17500(1855)
3150(334)
1450(154)
5700(604)
18300(1340)
5250(557)
16800(1781)
3300(350)
3900(413)
8200(869)
4350(461)
3850(408)
1350(143)
150(16)
150(16)
3900(413)
1400(148)
2450(260)
6950(737)
250(27)
7200(763)
150(16)
8100(859)
100(11)
100(11)
100(11)
900(95)
6300(668)
8050(853)
150(16)
300(32)
600(64)
4200(445)
3300(350)
900(95)
4050(429)
1950(207)
8200(869)
600(64)
600(64)
2400(254)
7200(763)
7300(774)
900(95)
3700(392)
2700(286)
2550(270)
600(64)
2100(222)
5250(556)
5250(556)

SOURCE: TxDOT TP&P 02/09/2018

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)

PROPERTY OWNERS

SOURCE: COLLIN COUNTY APPRAISAL DISTRICT FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
1	668 COUNTRY CLUB RD	APPLE PROP	
2	678 COUNTRY CLUB RD	APPLE GEORGE W SR	
3	STATE HWY 5	PATSY REMBERT A NEVIL ETAL	
4	FAIRVIEW, TX 75069	FRISCO ROAD LTD	
5	650 FRISCO RD	FRISCO ROAD LTD	
6	640 FRISCO RD	FRISCO ROAD LTD	
7	651 COUNTRY CLUB RD	EWBANK DEVELOPMENT LLC	
8	960 S STATE HWY 5	EWBANK DEVELOPMENT LLC	
9	671 COUNTRY CLUB RD	WILHITE CHARLES LEE & SHERILYN KAY	
10	970 S STATE HWY 5	COLLIN BAPTIST ASSN INC	COLLIN BAPTIST ASSOC.
11	990 S STATE HWY 5	JENCO LTD	
12	1102 S STATE HWY 5	DFW 2005 INC	
13	1100 S STATE HWY 5	DFW 2005 INC	
14		MCKINNEY MED CENTER LP	MCKINNEY URBAN VILLAGE
15	STATE HWY 5	CAAG LAND COMPANY LLC	OAKSTREET NURSERY
16	1010 S STATE HWY 5	LEONEL & LAZOS	
17	1030 S STATE HWY 5	ZELMA ENLOE	
18	1040 S STATE HWY 5	CAAG LAND COMPANY LLC	OAKSTREET NURSERY
19	2400 S MCDONALD ST	MOLINAR RUBEN JR	OAKSTREET NURSERY
20	2400 S MCDONALD ST	MOLINAR RUBEN JR	OAKSTREET NURSERY
21	201 MCKINNEY VILLAGE PKWY	MCKINNEY URBAN VILLAGE LP	MCKINNEY URBAN VILLAGE
22	MCKINNEY, TX 75069	MITCHELL KENNETH H	
23	MEDICAL CENTER DR	MCKINNEY MED CENTER LP	
24	MCKINNEY, TX 75069	MITCHELL KENNETH H	
25	2211 S STATE HWY 5	A & W PROPERTIES JV	
26		A & W PROPERTIES JV	
27	STATE HWY 5	A & W PROPERTIES JV	
28	3911 MEDICAL CENTER DR	7-ELEVEN INC	7-ELEVEN
29	STATE HWY 121 'ROW'	STATE OF TEXAS	
30	3191 MEDICAL CENTER DR	MCKINNEY FAIRWAYS LLC	
31	STATE HWY 5	STATE OF TEXAS	
32	STATE HWY 5	VILLA VIEW MHC LTD	VILLA VIEW MHP
33	2015 S MCDONALD ST	SHMAISANI ISSAM AL	COWTOWN REDIMIX
34	2110 S MCDONALD ST	KENNETH RAY- LE & STRICKLAND	
35	1515 STEWART RD	JEANES OSCAR L	
36	1513 STEWART RD	CITY OF MCKINNEY	
37	STATE HWY 5 (S MCDONALD)	TXI OPERATIONS LP	MARTIN MARIETTA READY MIX

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

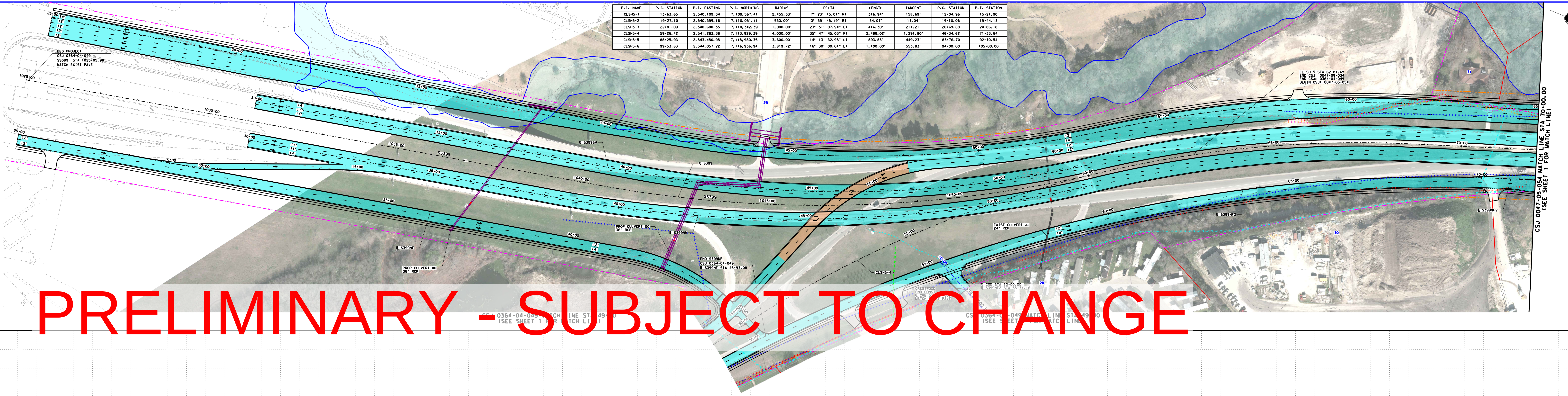
COLOR LEGEND

▭	PROPOSED MAINLANES
▭	PROPOSED BRIDGE
▭	PROPOSED DRIVEWAY
▭	PROPOSED CROSS STREET
▭	PROPOSED DIRECT CONNECTOR
▭	PROPOSED SIDEWALK
▭	PROPOSED RAMP
▭	PROPOSED PAVED MEDIAN
▭	PROPOSED NON-PAVED MEDIAN
▭	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
▨	EXISTING BUILDING TO BE REMOVED
— · — ·	CENTERLINE/BASELINE (CROSS STREETS)
— · — ·	CENTERLINE (MAINLANE)
— · · —	PROPOSED ROW
— — —	PROPOSED PERMANENT EASEMENT
— — —	PROPOSED TEMPORARY EASEMENT
—··—	CITY LIMITS
— · · —	EXISTING ROW
—	PROPERTY LINES
—‖—	CONTROL OF ACCESS
⊥⊥⊥⊥	PROPOSED RETAINING WALL
←	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T T	BURIED TELEPHONE UTIL
P P P P	BURIED ELECTRIC UTIL
C C C C	BURIED CABLE UTIL
W W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G G	BURIED GAS/OIL UTIL
- - - - - - -	BURIED SOLID WASTE LINE
(XXXXX-XX)	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
╪	EXISTING DRAINAGE STRUCTURES
╪	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

P.I. NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
CLSH5-1	13+63.65	2,540,109.34	7,109,567.41	2,455.33'	7° 23' 45.01" RT	316.94'	158.69'	12+04.96	15+21.90
CLSH5-2	19+27.10	2,540,399.16	7,110,051.11	533.00'	3° 39' 45.19" RT	34.07'	17.04'	19+10.06	19+44.13
CLSH5-3	22+81.09	2,540,600.35	7,110,342.39	1,000.00'	23° 51' 07.94" LT	416.30'	211.21'	20+69.88	24+86.18
CLSH5-4	59+26.42	2,541,283.38	7,113,929.39	4,000.00'	35° 47' 45.03" RT	2,499.02'	1,291.80'	46+34.62	71+33.64
CLSH5-5	88+25.93	2,543,450.95	7,115,980.35	3,600.00'	14° 13' 32.95" LT	893.83'	449.23'	83+76.70	92+70.54
CLSH5-6	99+53.83	2,544,057.22	7,116,936.94	3,819.72'	16° 30' 00.01" LT	1,100.00'	553.83'	94+00.00	105+00.00


CL SH 5 STA 62+81.69
END CSJ: 0047-09-034
END CSJ: 0364-04-049
BEGIN CSJ: 0047-05-054
31
NO CODE

PRELIMINARY - SUBJECT TO CHANGE

PENDING PROFILE UPDATES

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

COLOR LEGEND

PROPOSED MAINLANES
PROPOSED BRIDGE
PROPOSED DRIVEWAY
PROPOSED CROSS STREET
PROPOSED DIRECT CONNECTOR
PROPOSED SIDEWALK
PROPOSED RAMP
PROPOSED PAVED MEDIAN
PROPOSED NON-PAVED MEDIAN
100 YEAR FLOOD PLAIN
EXISTING PAVEMENT (BY OTHERS)
EXISTING PAVEMENT TO BE REMOVED
EXISTING BUILDING TO BE REMOVED
CENTERLINE/BASELINE (CROSS STREETS)
CENTERLINE (MAINLANE)
PROPOSED ROW
PROPOSED PERMANENT EASEMENT
PROPOSED TEMPORARY EASEMENT
CITY LIMITS
EXISTING ROW
PROPERTY LINES
CONTROL OF ACCESS
PROPOSED RETAINING WALL
PROPOSED TRAFFIC FLOW
EXISTING TRAFFIC FLOW
OVERHEAD TELEPHONE UTIL
OVERHEAD ELECTRIC UTIL
OVERHEAD CABLE UTIL
BURIED TELEPHONE UTIL
BURIED ELECTRIC UTIL
BURIED CABLE UTIL
BURIED WATER UTIL
BURIED SEWER UTIL
BURIED GAS/OIL UTIL
BURIED SOLID WASTE LINE
HORIZONTAL CURVE NAME
PROPERTY ID NUMBER
EXISTING DRAINAGE STRUCTURES
PROPOSED DRAINAGE STRUCTURES
PROPOSED SIGNALIZED INTERSECTION

NOTES:
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7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
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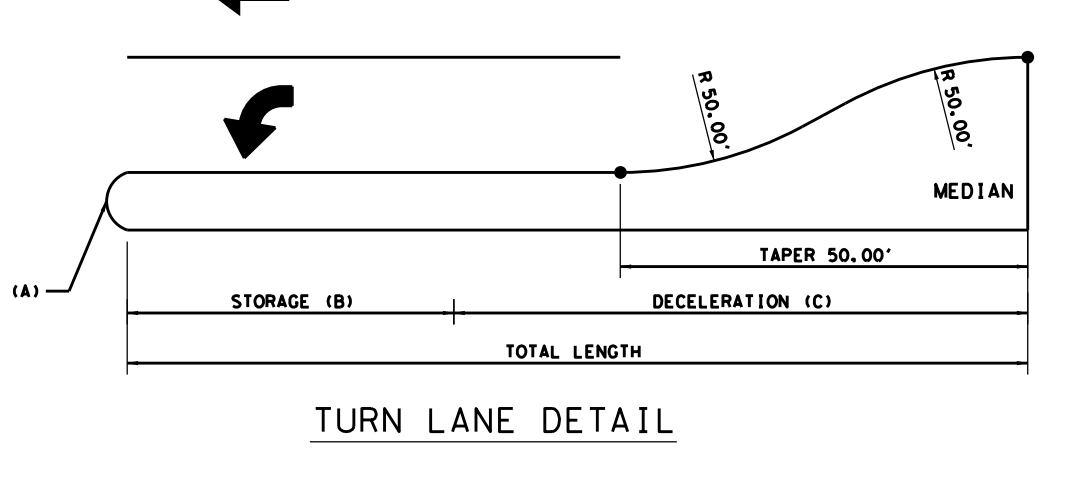
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.


R 50.00'
R 50.00'
MEDIAN
TAPER 50.00'
SEPARATOR (A)
STORAGE (B)
DECELERATION (C)
TOTAL LENGTH

TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
COUNTRY CLUB RD	17+77.52	3	100	275	375	L	NB
COUNTRY CLUB RD	N/A	N/A	100	275	375	R	NB
COUNTRY CLUB RD	19+36.06	3	100	275	375	L	SB
COUNTRY CLUB RD	N/A	N/A	100	170	270	R	SB
PLATEAU DR	42+61.33	21	100	275	375	L	SB
STEWART RD	N/A	N/A	100	275	375	L	NB
STEWART RD	N/A	N/A	100	275	375	L	SB
STEWART RD	N/A	N/A	100	275	375	R	SB

Texas Department of Transportation
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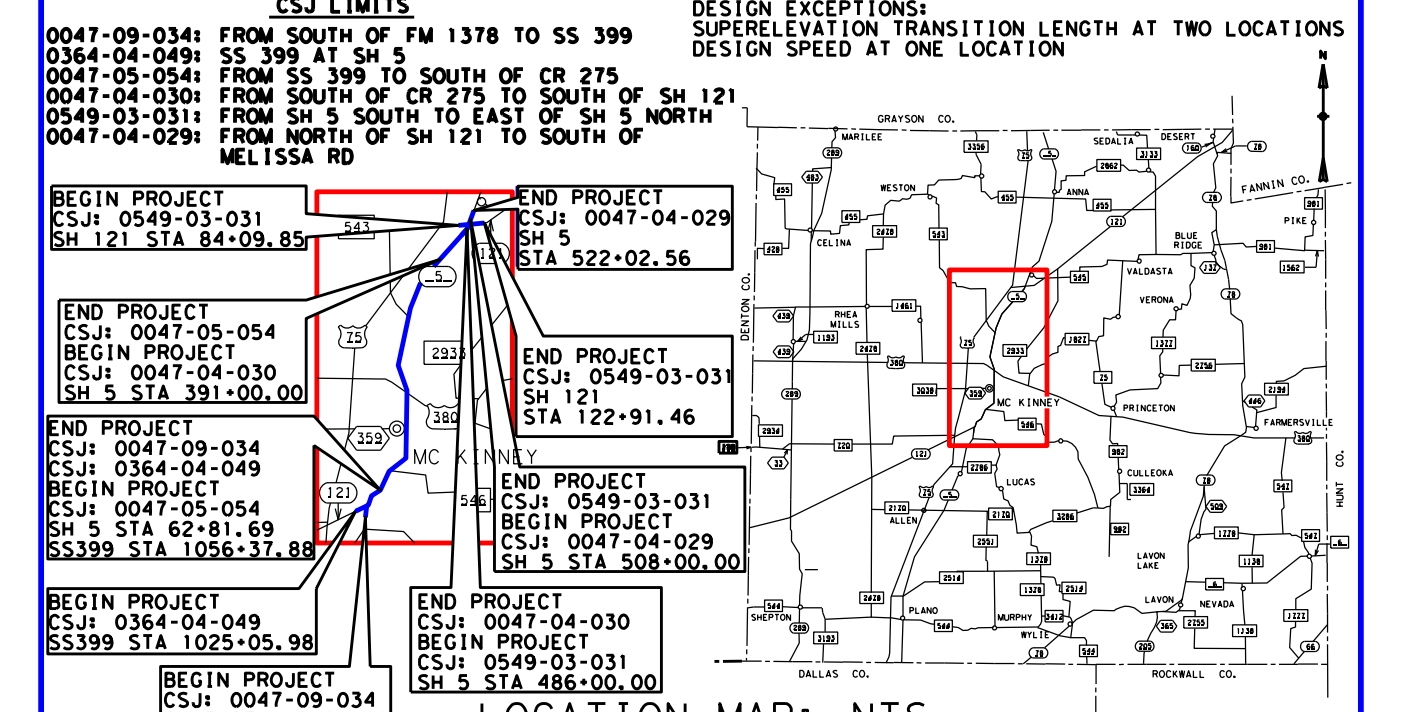
DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS
URBAN PRINCIPAL ARTERIAL: SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL: FM 1378(COUNTRY CLUB RD), FM 546(OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR: FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338(FANNIN RD)
RURAL MAJOR COLLECTOR: SS 195 (WESTON RD)
URBAN/RURAL LOCAL: ALL OTHER STREETS

DESIGN SPEED
60 MPH: SS 399 MAINLANE
45 MPH: SH 121 MAINLANE
40 MPH: SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH: ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40
BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION
PROJECT LENGTH
9.64 MI
CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD
LOCATION MAP: NTS
PUBLIC MEETING
NOVEMBER 27, 2018
PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
OSWALD F. GARCIA P.E. 109889
11/27/2018
INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS
Moreno Cardenas Inc.
Leaders in Project Delivery & Performance
TBPE Firm Registration No. F-000554
PLAN & PROFILE
SH 5
STA 52+99 TO STA 70+00
ROLL 2 OF 12 ROLLS
DESIGNED BY: MCI
FED. RD. DIV. NO.: 6
FEDERAL AID PROJECT NO.: XX (XX) XXXX
ROLL NO.: S-002
DRAWN BY: MCI
STATE: TEXAS
DIST.: DAL
COUNTY: COLLIN
CHECKED BY: MCI
CONT: 0047
SEC: 05
JOB: 054, etc
HIGHWAY NO.: SH 5
FILE: ...\d0437948\SPP10-102.dgn



Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLANE, US 380 (W UNIVERSITY DR), RAMPS
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RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

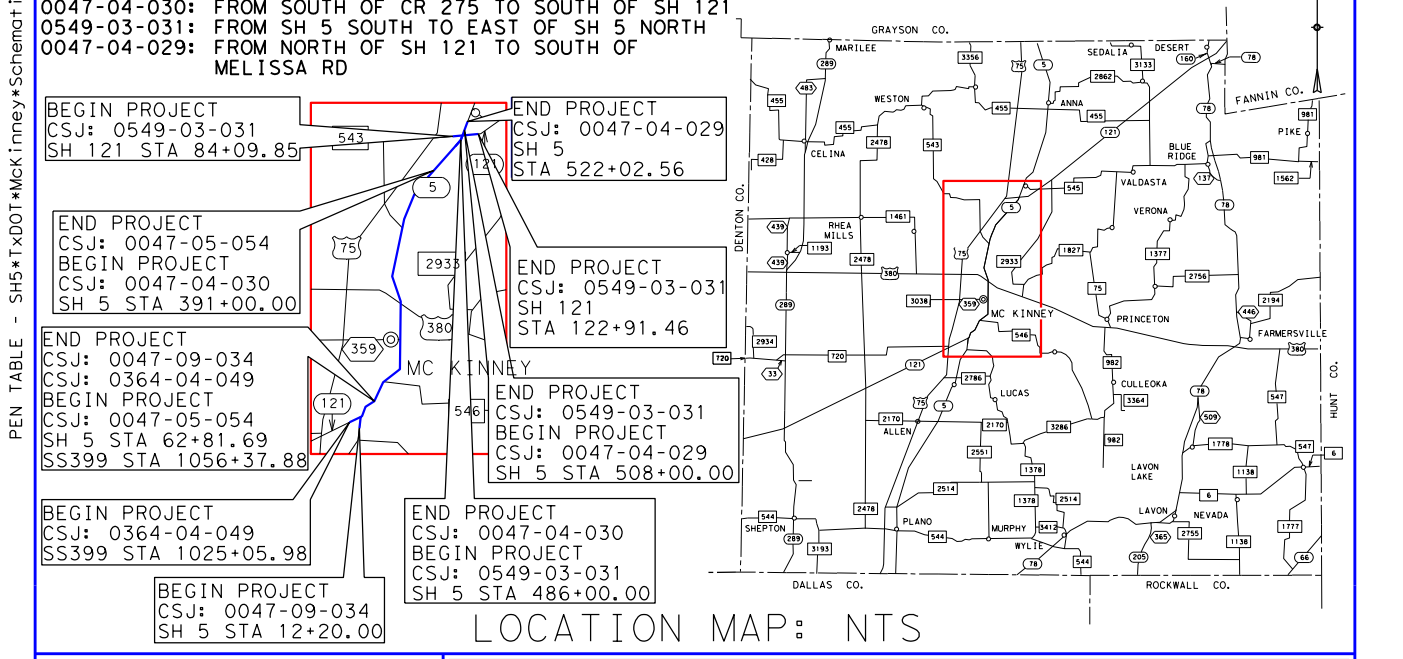
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
DENTON CO.
FANNIN CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.

LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
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ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

PLAN & PROFILE
SH 5
STA 95+00 TO STA 150+00

ROLL 3 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-003
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*101.dgn
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TIME: 2:23:43 AM
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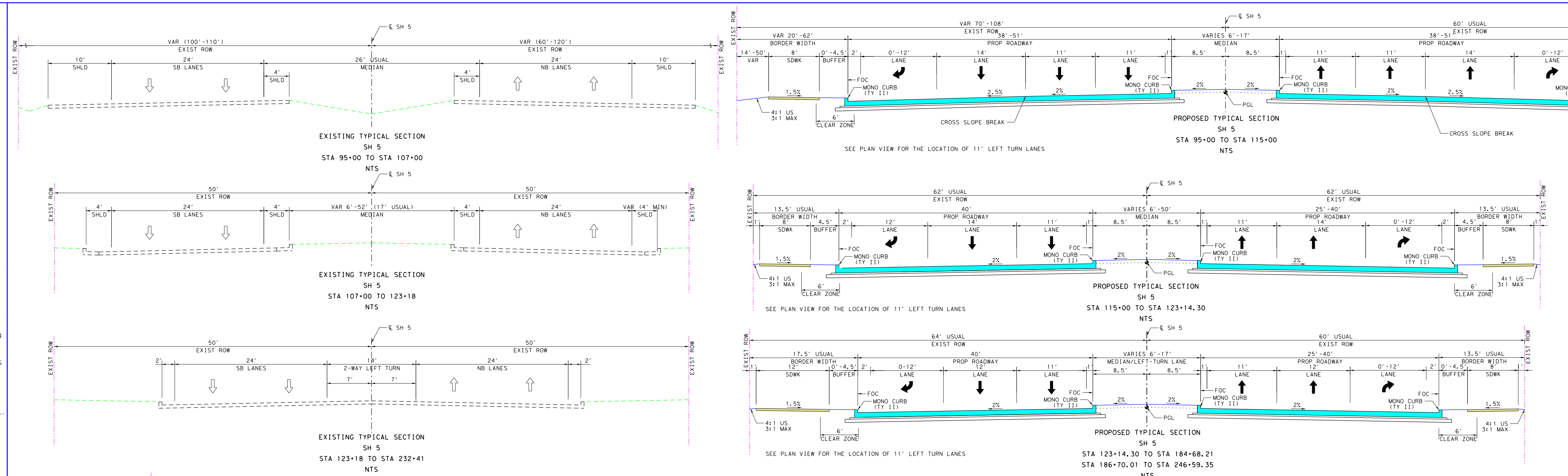
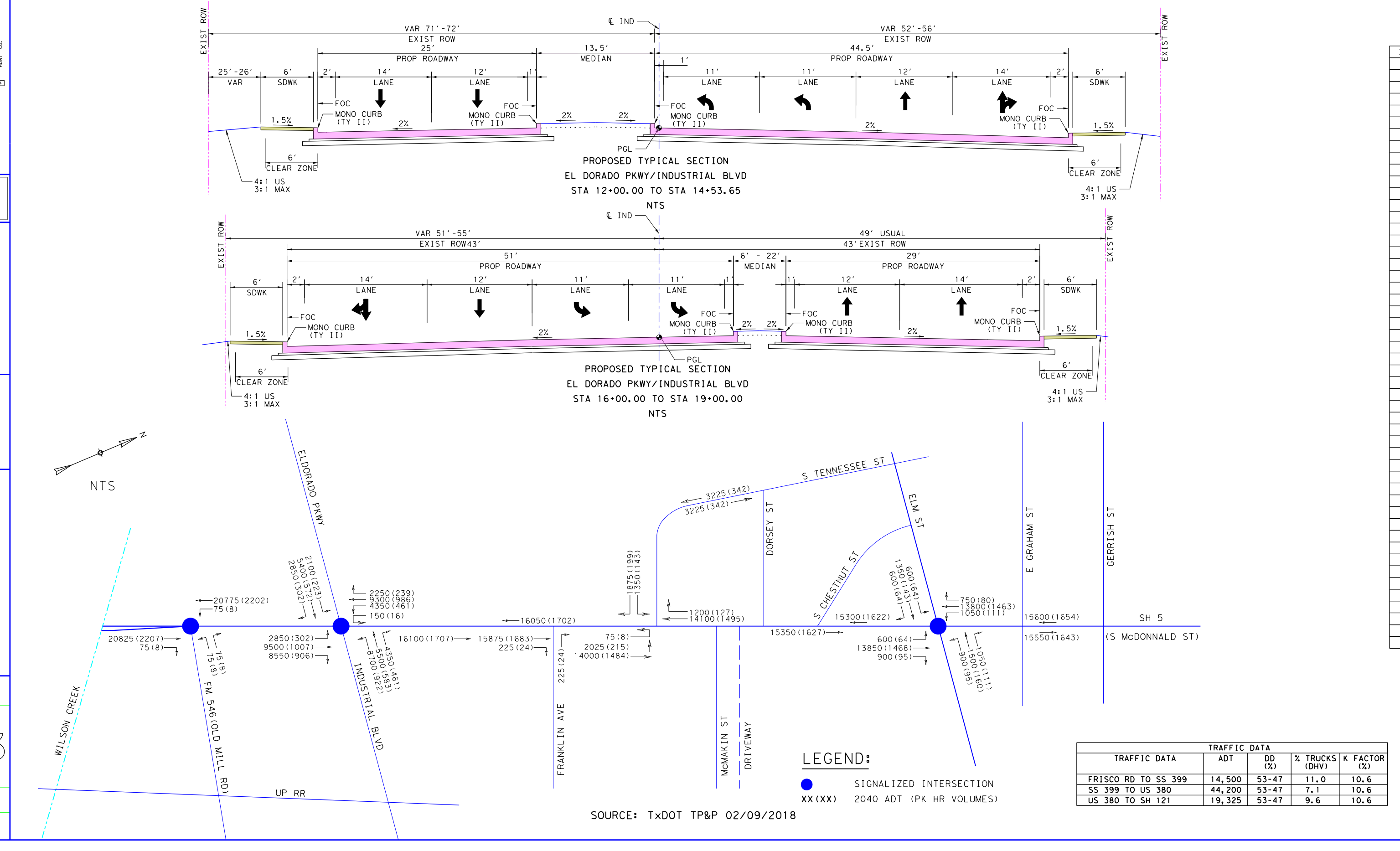




PROPOSED TYPICAL SECTION
SH 5
STA 123+14.30 TO STA 184+68.21
STA 186+70.01 TO STA 246+59.35
NTS

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
38		TEXAS BULLETINS INC	
39	1100 OLD MILL RD	MCKINNEY ECONOMIC DEVELOPMENT CORP	
40	1820 S MCDONALD ST	SSCP MCDONALD ST LLC	EXTRA SPACE STORAGE
41	1800 S MCDONALD ST	SSCP MCDONALD ST LLC	EXTRA SPACE STORAGE
42	MCDONALD ST S TX	COLLIN-HIGHWAY 5 LP	
43	S MCDONALD ST	PECAN GROVE CEMETERY	PECAN GROVE CEMETERY
44	1712 S MCDONALD ST	AIRGAS USA LLC	AIRGAS
45	1700 S MCDONALD ST	SAID & SORAYA SHEHATA	QUIKTRIP
46	1608 S MCDONALD ST	RACETRAC PETROLEUM	RACETRAC
47	101 INDUSTRIAL BLVD	NAYEB HOLDING INC	SHELL
48	1605 S MCDONALD ST	ACAPELLA FAMILY PARTNERSHIP LTD	
49	1601 S MCDONALD ST	CMK FOOD LLC	A & D BUFFALOS
50	1516 S TENNESSEE ST	ASLAM REAL ESTATE LLC	JACK IN THE BOX
51	1514 S TENNESSEE ST	ASLAM REAL ESTATE LLC	
52	201 FRANKLIN AVE	DANIEL SANCHEZ	
53	1515 S MCDONALD ST	CHUN H LAM	AIRPORT PARK
54	1600 S MCDONALD ST	HISE REAL ESTATE INVESTMENTS LP	AUTO ECLIPSE
55	1516 S MCDONALD ST	ANNA KATHRYN & T J LANE & JAMES	FIRST CHOICE MUFFLER SHOP
56	1500 S MCDONALD ST	ANNA KATHRYN & T J LANE & JAMES	FIRST CHOICE AUTO & TIRES
57	1513 S MCDONALD ST	DASHANG MOTORS LLC	
58	1450 MCKINNEY, TX	HOUSING AUTHORITY CITY OF MCKINNEY	
59	1450 S MCDONALD ST	THOMAS M & NANETTE K HUDGENS	ECONOMY TRANSMISSION
60	1503 S MCDONALD ST	RAFIQ KHAN	5 STAR MOTORS
61	1420 S MCDONALD ST	LYNN VILLA INC	DOLLAR GENERAL
62	MCKINNEY, TX 75069	RAFAEL ELIZONDON &	
63	1408 S CHESTNUT ST	ELWISS W SOLDEVILA	VACANT
64	S MCDONALD ST	GRID ENTERPRISES INC	
65	1416 S MCDONALD ST	GRID ENTERPRISES INC	MEGA MOW
66		AMSCOTT VINEYARDS LLC	
67	1308 S MCDONALD ST	USA MOTORPLEX INC	TOVI MOTORS
68	1304 S MCDONALD ST	WHAT'S BUGGIN YOU PEST CONTROL INC	TEXAS CAR TITLE
69	1300 S MCDONALD ST	RAFIQ KHAN	VAPORS N MORE
70	1301 S MCDONALD ST	COTTON MILL PARTNERS LTD	
71	1215 S MCDONALD ST	SAINT MARK MISSIONARY BAPTIST CHURCH	SAINT MARK MISSIONARY BAPTIST CHURCH
72	1217 S CHESTNUT ST	FRANCISCA GUILLEN	PRINCETON TIRE SHOP #2
73	CHESTNUT ST	FRANCISCA GUILLEN	
74	1217 S CHESTNUT ST	FRANCISCA GUILLEN	
75	1208 S MCDONALD ST	MCKINNEY COMMERCIAL LLC	N & N AUTO SALES
76	1213 S MCDONALD ST	ARNG KIM & SUI TANG	LA PALOMA TAQUERIA
77	1209 S CHESTNUT ST	MCKINNEY COMMERCIAL LLC	
78	1202 S MCDONALD ST	HRMN LIMITED COMPANY	
79	WILCOX ST	ANTONIA & LUZ E LOYA	
80	1205 S MCDONALD ST	J CARLOS & REBECCA ANN COLMENERO	COLMENERO MEXICAN IMPORTS
81	1201 S MCDONALD ST	MIKE ADAMS REALTY LLC	THE TRANSMISSION SHOP
82	1103 S MCDONALD ST	DORA SILVIA LEMUS	LA SALVADORENA RESTAURANT
83	402 GERRISH ST	GRADY TAYLOR	
84	1100 S MCDONALD ST	AGRARIUS LLC	EZ DRIVE AUTO
85	1004 S MCDONALD ST	SUPER B CAR WASH INC	DOUBLE TIME CAR WASH
86	1009 S MCDONALD ST	SHAH SULTANA RATANI	
87	1005 S MCDONALD ST	NURSERY DECALS & MORE LLC	STRIKE ZONE

NOTES:
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

COLOR LEGEND

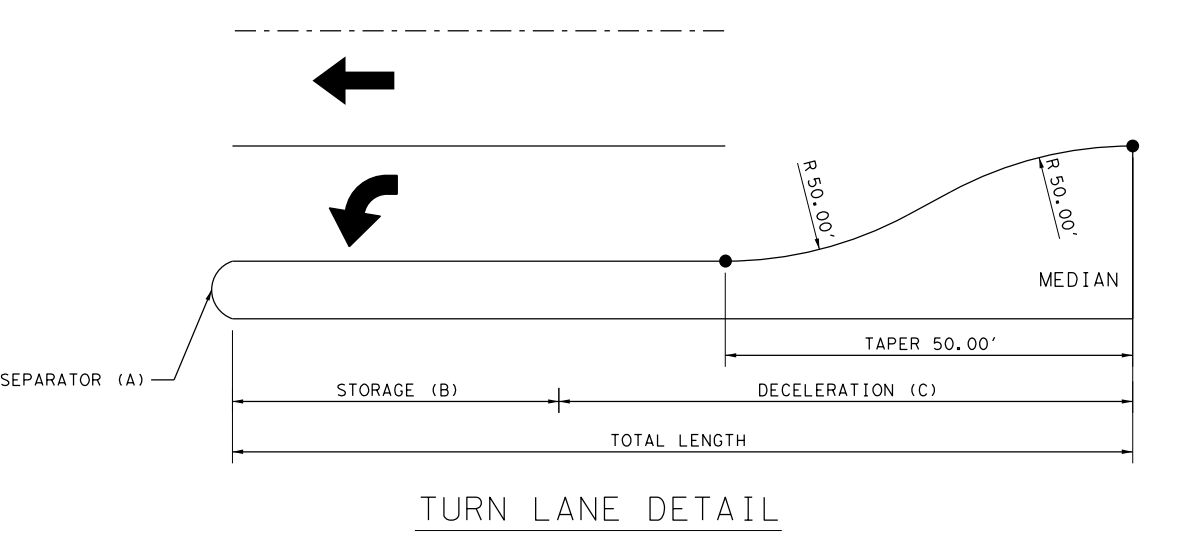
🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
▨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
▭	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—·—	CENTERLINE (MAINLANE)
— - — -	PROPOSED ROW
—··—··—	CITY LIMITS
— - — -	EXISTING ROW
—	PROPERTY LINES
—	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
┴┴┴┴	PROPOSED RETAINING WALL
←	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T T	BURIED TELEPHONE UTIL
P P P P	BURIED ELECTRIC UTIL
C C C C	BURIED CABLE UTIL
W W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G G	BURIED GAS/OIL UTIL
- - - - - - -	BURIED SOLID WASTE LINE
XXXXX-XX	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
☰	EXISTING DRAINAGE STRUCTURES
☰	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

CSJ 0047-05-054 MATCH LINE STA 95+00
EXIST ROW
38
39
WILSON CREEK
FM 546 (OLD MILL RD)
SH5 STA 125+45.36=

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-7	96+33.90	2,544,018.12	7,116,551.55	3,819.72'	34° 23' 09.66" LT	2,292.40'	1,181.89'	84+52.01	107+44.41
℄ SH5	CLSH5-8	119+90.60	2,544,531.21	7,118,924.79	1,206.23'	42° 11' 33.05" RT	888.27'	465.35'	115+25.24	124+13.51
℄ SH5	CLSH5-9	135+59.71	2,545,841.44	7,119,863.10	1,145.92'	49° 36' 00.00" LT	992.00'	529.49'	130+30.22	140+22.23
℄ OLDM	CLOLDM-1	13+58.58	2,544,391.62	7,116,981.40	1,145.00'	10° 06' 12.74" RT	201.91'	101.22'	12+57.37	14+59.28
℄ IND	CLIND-1	11+98.41	2,544,082.54	7,118,385.70	1,145.92'	19° 38' 45.42" RT	392.92'	198.41'	10+00.00	13+92.92
℔ SH5SB1	BLSH5SB1-1	15+60.29	2,544,522.70	7,118,930.38	701.00'	42° 11' 33.05" RT	516.22'	270.44'	12+89.85	18+06.07

PRELIMINARY - SUBJECT TO CHANGE



TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
OLD MILL RD*	N/A	N/A	100	275	375	R	NB
OLD MILL RD*	100+49.33	3	100	275	375	L	SB
ELDORADO PKWY*	N/A	N/A	100	275	375	R	SB
ELDORADO PKWY*	113+71.00	3	100	275	375	L	NB
ELDORADO PKWY*	115+00.35	3	100	275	375	L	SB
S TENNESSEE ST	122+70.83	4	100	275	375	L	NB
DORSEY ST	132+44.60	3	100	275	375	L	NB
ELM ST*	139+87.28	3	100	275	375	L	NB
ELM ST*	140+63.36	3	100	160	260	L	SB
GRAHAM ST	145+83.02	3	100	160	260	L	NB
GRAHAM ST	146+43.02	3	100	160	260	L	SB

* SIGNALIZED INTERSETION

Texas Department of Transportation
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COLLIN COUNTY
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FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PUBLIC MEETING
NOVEMBER 27, 2018
Michael Baker
INTERNATIONAL
PLAN & PROFILE
SH 5
STA 95+00 TO STA 150+00
ROLL 3 OF 12 ROLLS
S-003

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
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URBAN MINOR ARTERIAL	FM 1378(COUNTRY CLUB RD), FM 546(OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
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RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET: 0 50 100 150 200
VERT. SCALE IN FEET: 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
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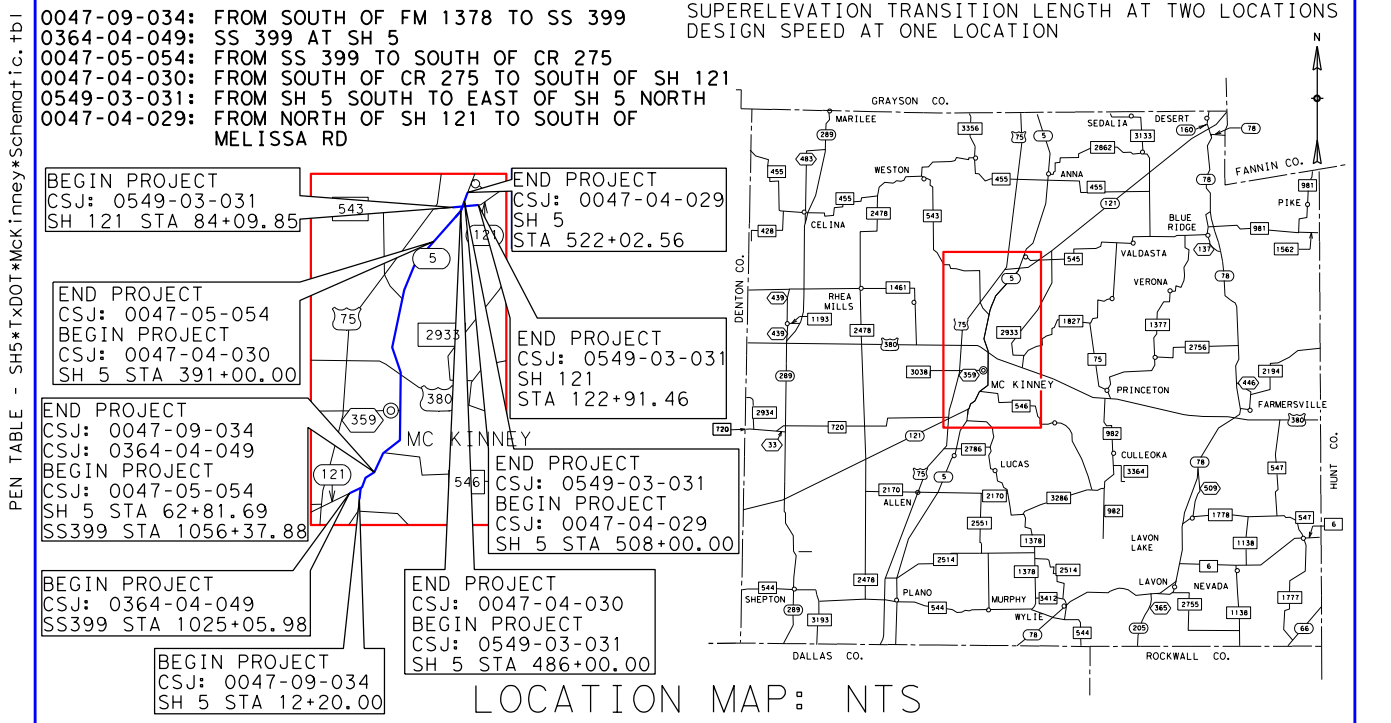
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION



BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
DENTON CO.
FANNIN CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
MARILEE
WESTON
CELINA
ANNA
SEDALIA
DESERT
BLUE RIDGE
PIKE
VALDASTA
VERONA
RHEA MILLS
PRINCETON
FARMERSVILLE
CULLEOKA
LUCAS
ALLEN
LAVON LAKE
LAVON
NEVADA
PLANO
MURPHY
WYLIE
SHEPTON
N

LOCATION MAP: NTS

PUBLIC MEETING
NOVEMBER 27, 2018

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

INDEX OF ROLLS
- ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
- ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
- ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
- ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
- ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
- ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
- ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
- ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
- ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
- ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
- ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
- ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

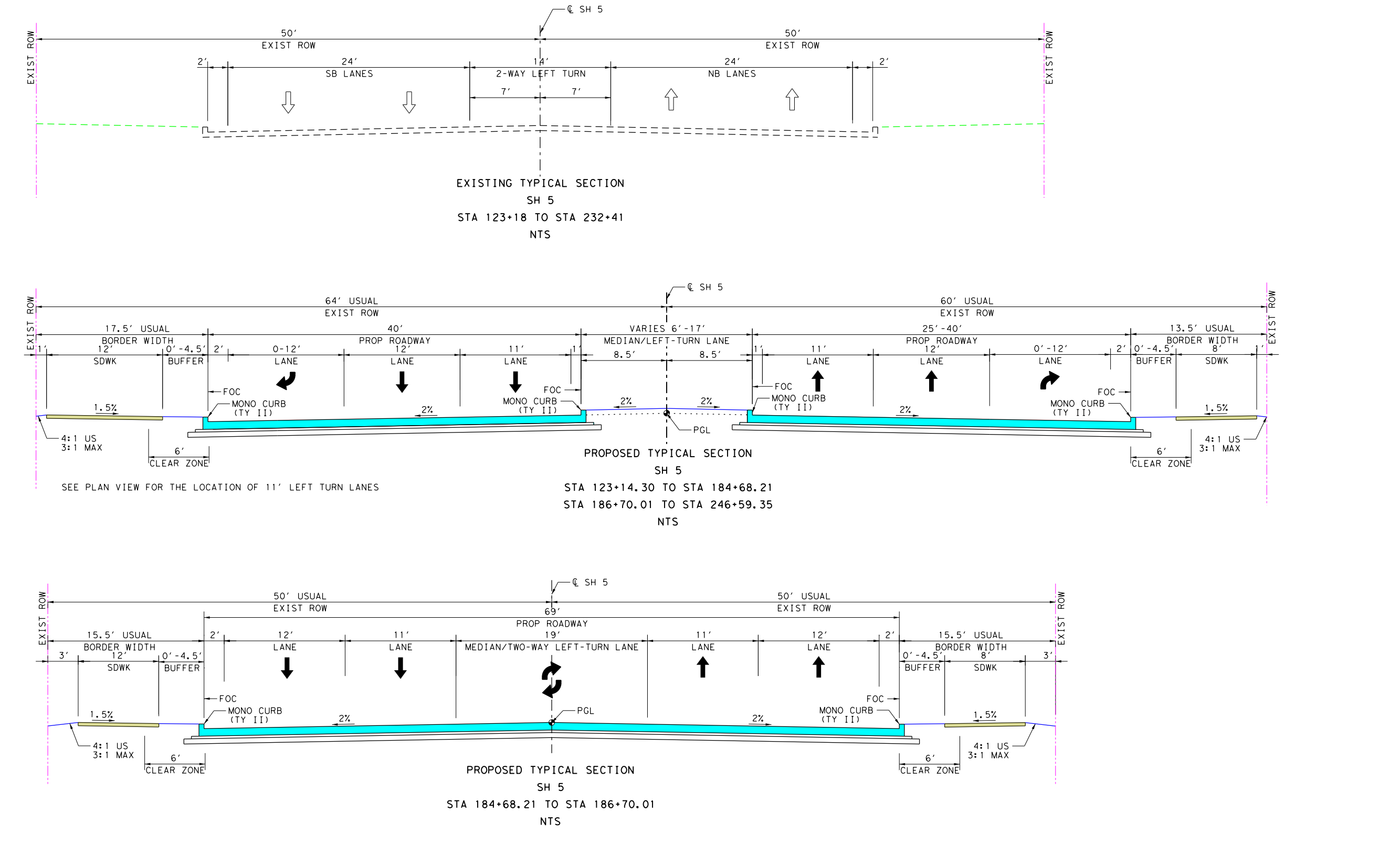
PLAN & PROFILE
SH 5
STA 150+00 TO STA 205+00

ROLL 4 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-004
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*102.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF.pltcfg

TIME: 2:34:41 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl

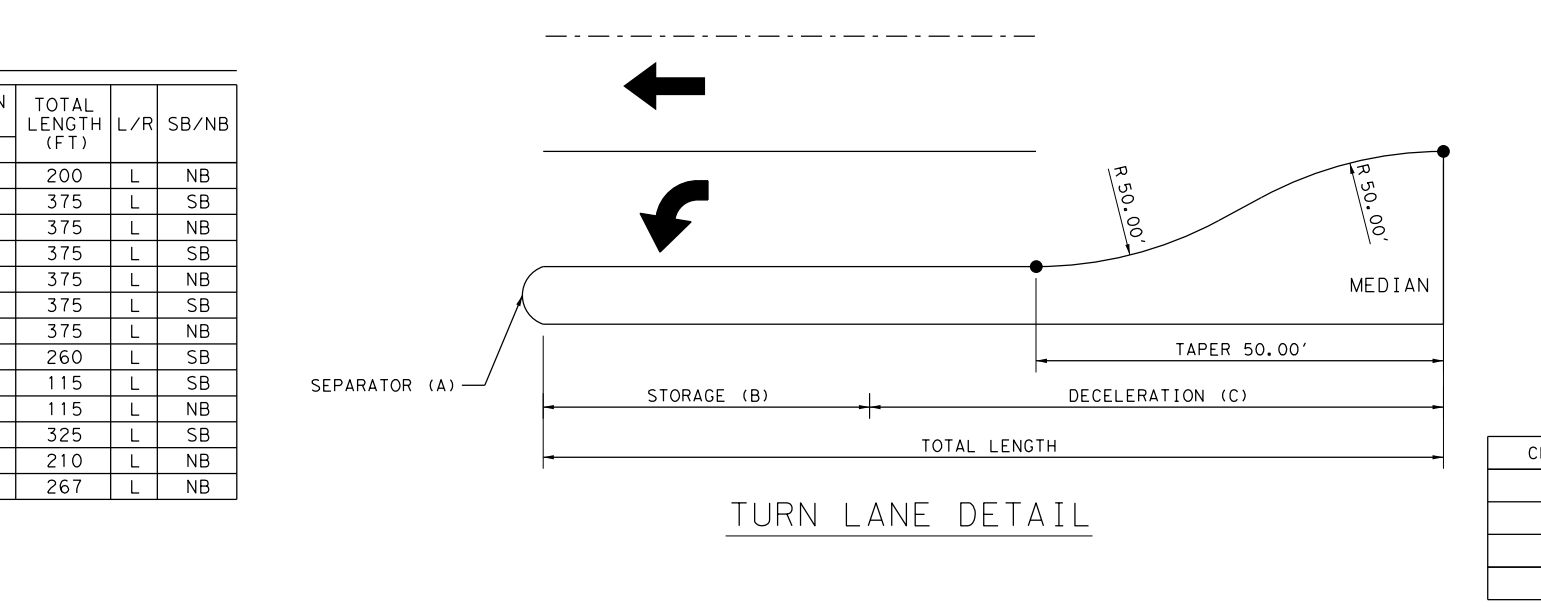


EXIST ROW
17.5' USUAL BORDER WIDTH
12' SDWK
0'-4.5' BUFFER
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE
SEE PLAN VIEW FOR THE LOCATION
15.5' USUAL BORDER WIDTH
EXISTING TYPICAL SECTION
PROPOSED TYPICAL SECTION

TURN LANE DETAIL TABLE

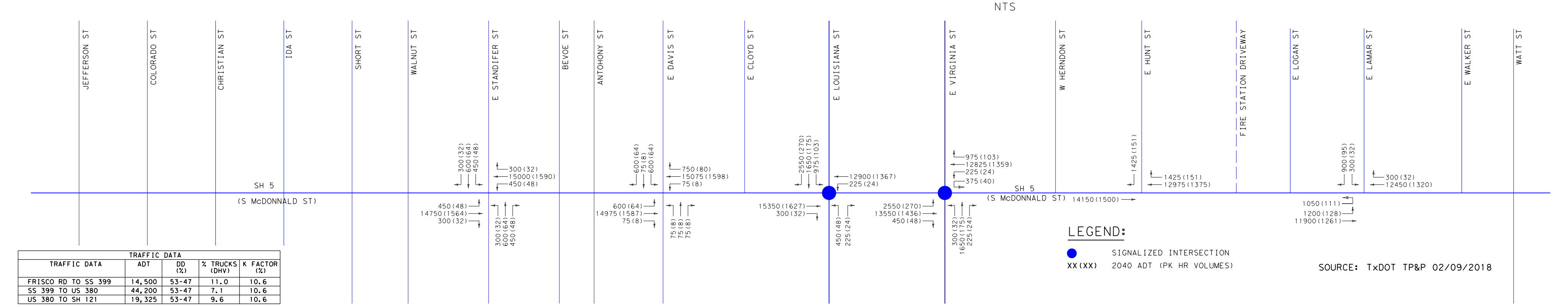
CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT) (A)	STORAGE (FT) (B)	DECELERATION (FT) (C)	TOTAL LENGTH (FT)	L/R	SB/NB
JEFFERSON ST	~~150+84.07~~	~~3~~	~~100~~	~~100~~	200	L	NB
JEFFERSON ST	151+44.07	3	100	275	375	L	SB
CHRISTIAN ST	158+86.23	3	100	275	375	L	NB
CHRISTIAN ST	159+46.23	3	100	275	375	L	SB
E STANDIFER ST	168+03.57	3	100	275	375	L	NB
E STANDIFER ST	168+63.56	3	100	275	375	L	SB
E DAVIS ST	179+35.26	3	100	275	375	L	NB
E DAVIS ST	179+95.30	3	100	160	260	L	SB
E LOUISIANA ST*	184+78.41	3	30	85	115	L	SB
E VIRGINIA ST*	186+58.86	3	30	85	115	L	NB
E VIRGINIA ST*	187+42.10	3	50	275	325	L	SB
PRIVATE DRIVEWAY	192+79.12	3	50	160	210	L	NB
E LAMAR ST	196+11.98	3	100	167	267	L	NB

* SIGNALIZED INTERSETION



SEPARATOR (A)
STORAGE (B)
TAPER 50.00'
DECELERATION (C)
LENGTH
MEDIAN
NTS

TURN LANE DETAIL



SH 5
(S McDONNALD ST)
FIRE ST

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)

SOURCE: TxDOT TP&P 02/09/2018

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
88	1001 S MCDONALD ST	MONTGOMERY MARK W & KIMBERLY	BAKERS DRIVE IN
89	1000 S MCDONALD ST	RAMAN M PATEL	HANDY MART
90	915 S MCDONALD ST	EDWARD C MOUNGER	SPORTSMAN GLASS
91	914 S MCDONALD ST	SHELLEY CHAPMAN	
92	911 S MCDONALD ST	EDWARD C MOUNGER	JOSHS COLLISION REPAIR
93	911 S MCDONALD ST	EDWARD C MOUNGER	JOSHS COLLISION REPAIR
94	909 S CHESTNUT ST	FERNANDO CAMARILLO CAMPOS &	
95	903 S MCDONALD ST	ARNULFO ALVARADO	ARNOLD'S
96	902 S MCDONALD ST	TAEK T RA	902 MCDONALD RETAIL
97	901 S MCDONALD ST	H & B PARTNERS LLC	MCKINNEY AUTO SALES
98	900 S MCDONALD ST	BLJ REAL ESTATE LLC	FIESTA AUTO SALES
99	811 S MCDONALD ST	SIMON SERENO	INCOME TAX SERVICE
100	812 S MCDONALD ST	BRIAN S SHAFFER	TC SNOWCONE
101	809 S MCDONALD ST	SWEENEY LINDA SUE SWEENEY ETAL	
102	806 WILCOX ST	EARL & LINDA B CRAWFORD	
103	800 S MCDONALD ST	BRIAN S SHAFFER	MCKINNEY JEWELRY AND LOAN
104	400 CHRISTIAN ST	EARL & LINDA B CRAWFORD	
105	707 S CHESTNUT ST	DELTA ELM INVESTMENT GROUP LLC	
106	707 N MCDONALD ST	HENG INVESTMENT INC INST	
107	705 S CHESTNUT ST	DELTA ELM INVESTMENT GROUP LLC	
108	MCDONALD ST	JOSE & SAN JUANA OLVERA	
109	702 S MCDONALD ST	DELTA ELM INVESTMENT GROUP LLC	
110	701 S CHESTNUT ST	ARMANDO & CONSUELO LOERA	
111	S MCDONALD ST	JOSE & SAN JUANA OLVERA	
112	701 S MCDONALD ST	GORDON E SMITH & DANA D SMITH	BOX BROS AUTO SALES
113	600 MCDONALD ST	FULL GOSPEL HOLY TEMPLE INC	FULL GOSPEL HOLY TEMPLE
114	403 SHORT ST	ANTONIO & GUERRERO TERESA SANTANA	EL PRIMO TAQUERIA
115	511 S CHESTNUT ST	DELTA ELM INVESTMENT GROUP LLC	
116	512 WILCOX ST	KATHERINE LUNA	
117	507 S CHESTNUT ST	DELTA ELM INVESTMENT GROUP LLC	
118	507 S MCDONALD ST	MADELYN A JOHNSON BOYKIN	
119	505 S CHESTNUT ST	ALMA RUTH & ERNESTO Z JASSO	
120	506 WILCOX ST	NEW OUTREACH CHURCH OF MCKINNEY	OUT REACH CHURCH OF GOD
121	502 S MCDONALD ST	JOHN YOUNG	DE BI CA CARIAS TIRE SHOP
122	501 S MCDONALD ST	IDLEFONSO GUTIERREZ	ALLIED BONDING
123	413 S CHESTNUT ST	NOE BENAVIDEZ PADRON	
124	410 S MCDONALD ST	ELWISS W & MARIA T SOLDEVILA	YA Z MINS/INTERCAMBIO
125	409 S MCDONALD ST	LBS HOLDINGS LLC	CHICKEN EXPRESS
126	405 S CHESTNUT ST	HERITAGE GUILD OF COLLIN COUNTY	HERITAGE GUILD OF COLLIN COUNTY
127	302 ANTHONY ST	HERITAGE GUILD OF COLLIN COUNTY	HERITAGE GUILD OF COLLIN CO
128	315 S CHESTNUT ST	HERITAGE GUILD OF COLLIN COUNTY	HERITAGE GUILD OF COLLIN COUNTY
129	307 S MCDONALD ST	TOMMY & BRENDA EUBANKS	
130	301 S MCDONALD ST	IVEFERR INVESTMENTS LP	
131	S MCDONALD ST	PLAYFUL BUILDING ONE LLC	PLAYFUL CORP
132	205 S MCDONALD ST	CHARLES O MONROE	DELTA BAIL BONDS
133	203 S MCDONALD ST	PAUL M STURKIE	COLLIN SQUARE
134	S CHESTNUT ST	CITY OF MCKINNEY	WATER TOWER
135	MCDONALD ST	CITY OF MCKINNEY	
136	103 S MCDONALD ST	JENNIFER LEE NAM	SHELL
137	E CLOYD ST	CITY OF MCKINNEY	
138	335 E LOUISIANA ST	SAFARI DEVELOPMENT LLC	ADELPHOI
139	108 N MCDONALD ST	BANJO VENTURES LTD	ACTION INSURANCE
140	101 N MCDONALD ST	SHWU YING WANG	101 N. MCDONALD ST RETAIL STRIP
141	201 N MCDONALD ST	DORSA PROPERTIES LLC	BEST PRICE AUTO GROUP
142	200 N MCDONALD ST	TOM E ENGLE	SOLO AUTO GROUP
143	211 N MCDONALD ST	ROBERT L THOMASON &	THOMASON TIRE INC
144	215 N MCDONALD ST	ROBERT L THOMASON &	
145	301 N MCDONALD ST	CITY OF MCKINNEY	MCKINNEY FIRE STATION #1
146	341 E VIRGINIA ST	ROBERT L & THOMASON	
147	315 N MCDONALD ST	SELF STORAGE UNITS LLC	MCKINNEY MINI-STORAGE / THE RED BEER BARN
148	400 N MCDONALD ST	KAZEMI ABOLGHASEM	
149	405 N MCDONALD ST	PHIL YOUNG PROPERTIES LLC	405 N MCDONALD ST
150	402 N MCDONALD ST	KEIKAVOUS KAZEMI	
151	501 N MCDONALD ST	JOHN SR WILES	
152	503 N MCDONALD ST	MADELYN A JOHNSON BOYKIN	
153	500 N MCDONALD ST	ST JAMES CME CHURCH TRUSTEES	VACANT
154	505 N MCDONALD ST	MADELYN A JOHNSON BOYKIN	
155	507 N MCDONALD ST	ST JAMES CME CHRISTIAN METHODIST EPISCOPAL	
156	316 WATT ST	ST JAMES CME METHODIST CHURCH	ST JAMES METHODIST CHURCH
157	520 N MCDONALD ST	KAZEMI KEIKAVOUS	GRANNYS HOUSE OF STYLE
158	315 WATT ST	MARANATHA SOLUTIONS INC	
159	600 N MCDONALD ST	LARRY L & J D CASEROTTI BAILEY	INSURANCE SERVICES
160	N MCDONALD ST	LARRY L BAILEY &	

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-10	168+36.65	2,546,120.79	7,123,195.32	1,145.92'	7° 00' 00.00" RT	140.00'	70.09'	167+66.56	169+06.56
℄ SH5	CLSH5-11	172+65.39	2,546,208.44	7,123,615.19	1,145.92'	10° 10' 00.00" LT	203.33'	101.93'	171+63.46	173+66.79
℄ SH5	CLSH5-12	185+46.40	2,546,244.79	7,124,896.22	1,145.92'	9° 53' 00.00" RT	197.67'	99.08'	184+47.32	186+44.98
℄ SH5	CLSH5-13	190+74.71	2,546,350.30	7,125,414.39	1,145.92'	10° 54' 00.00" LT	218.00'	109.33'	189+65.38	191+83.38

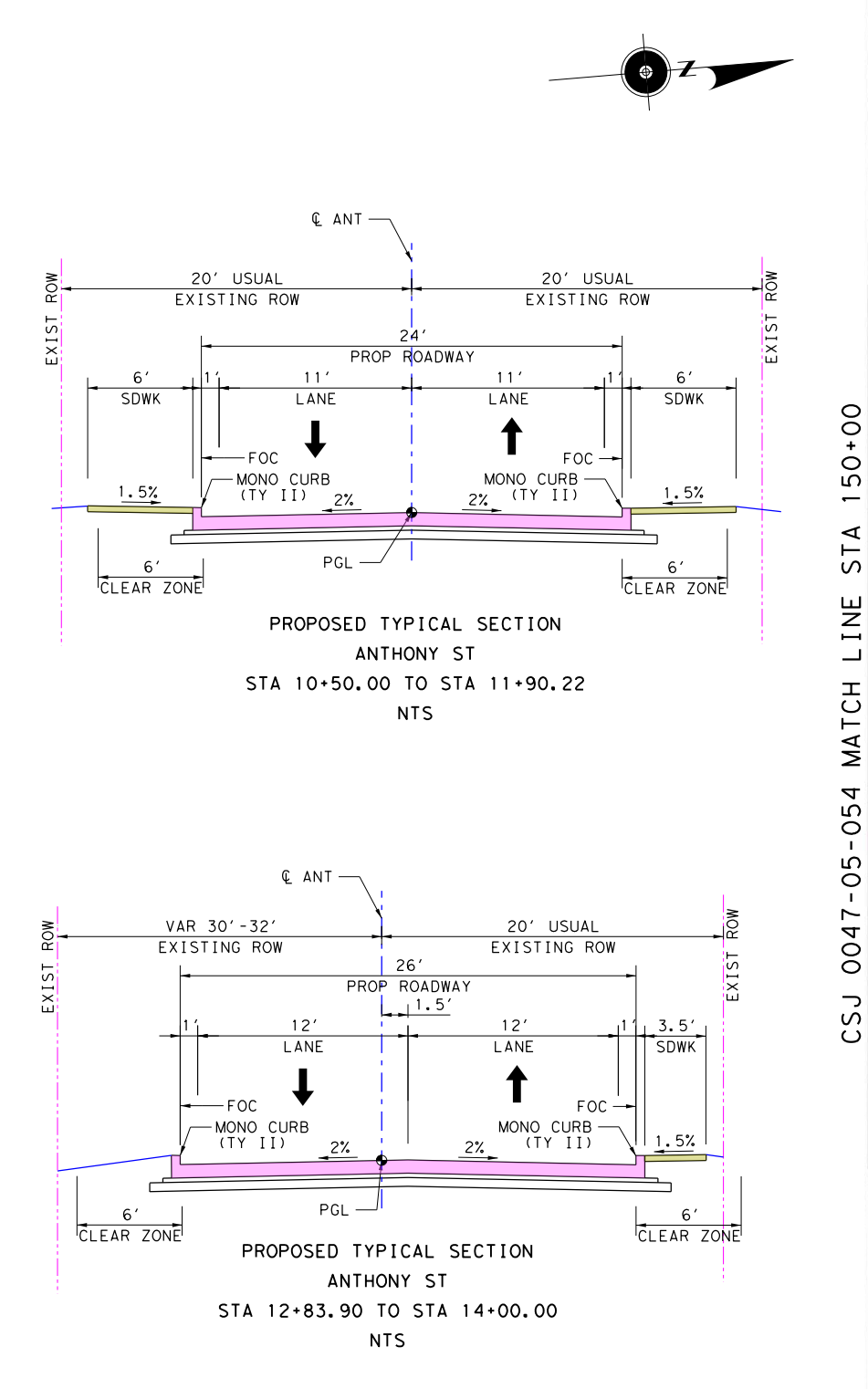
N
NTS

COLOR LEGEND

🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
🟦	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
-·-	CENTERLINE/BASELINE (CROSS STREETS)
-·-	CENTERLINE (MAINLANE)
- -	PROPOSED ROW
-··-	CITY LIMITS
- -	EXISTING ROW
—	PROPERTY LINES
—	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
▲▲▲	PROPOSED RETAINING WALL
⬅	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
···OT···OT···OT···	OVERHEAD TELEPHONE UTIL
···OP···OP···OP···	OVERHEAD ELECTRIC UTIL
···OC···OC···OC···	OVERHEAD CABLE UTIL
···T···T···T···T···	BURIED TELEPHONE UTIL
···P···P···P···P···	BURIED ELECTRIC UTIL
···C···C···C···C···	BURIED CABLE UTIL
···W···W···W···W···	BURIED WATER UTIL
···WW···WW···WW···	BURIED SEWER UTIL
···G···G···G···G···	BURIED GAS/OIL UTIL
- - - - - - -	BURIED SOLID WASTE LINE
(XXXXX-XX)	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
╪	EXISTING DRAINAGE STRUCTURES
╪	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:

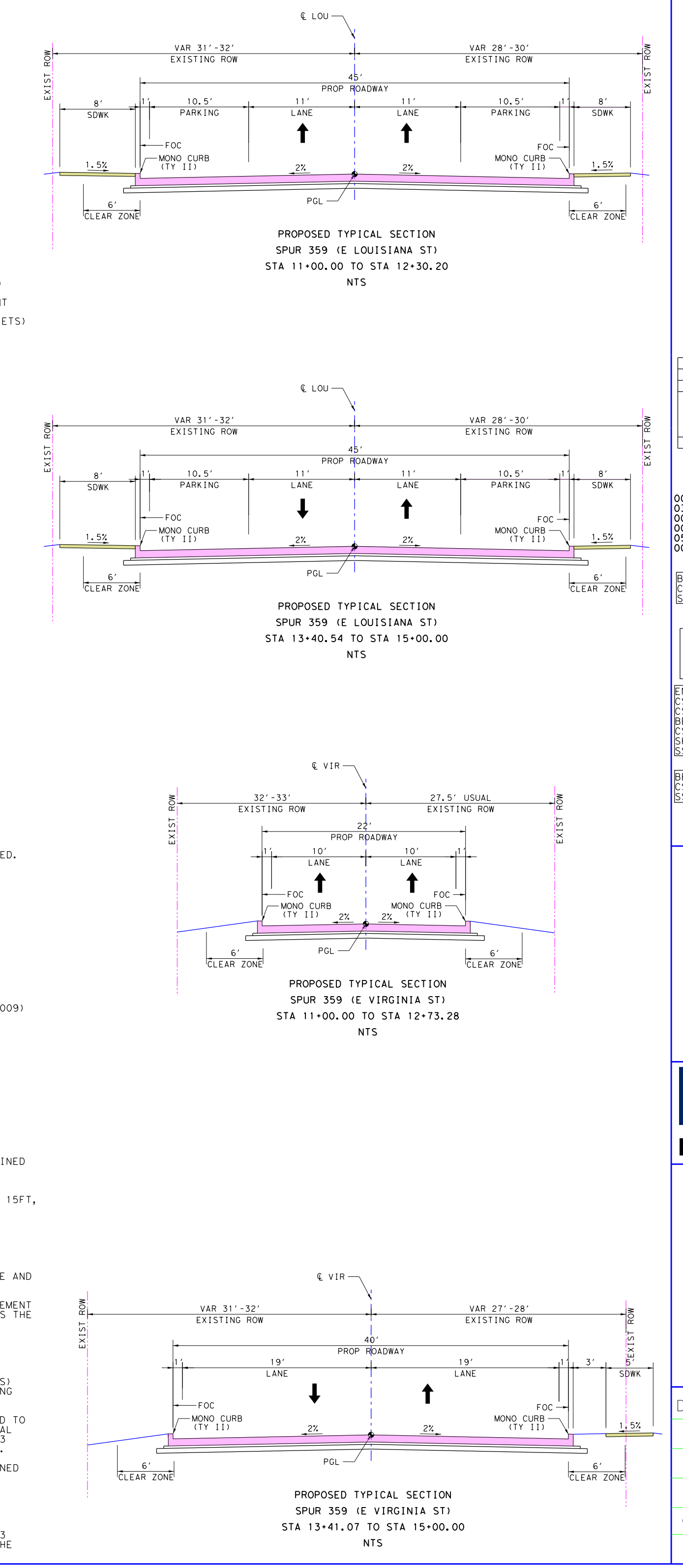
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.



℄ ANT
20' USUAL EXISTING ROW
EXIST ROW
24' PROP ROADWAY
6' SDWK
11' LANE
FOC
MONO CURB (TY II)
1.5%
2%
PGL
6' CLEAR ZONE
PROPOSED TYPICAL SECTION ANTHONY ST
STA 10+50.00 TO
NTS
VAR 30'-32' EXISTING ROW
26' PROP ROADWAY
12' LANE
PROPOSED TYPICAL SECTION ANTHONY ST
STA 12+83.90 TO
NTS

CHESTNUT ST

PRELIMINARY - SUBJECT TO CHANGE



Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

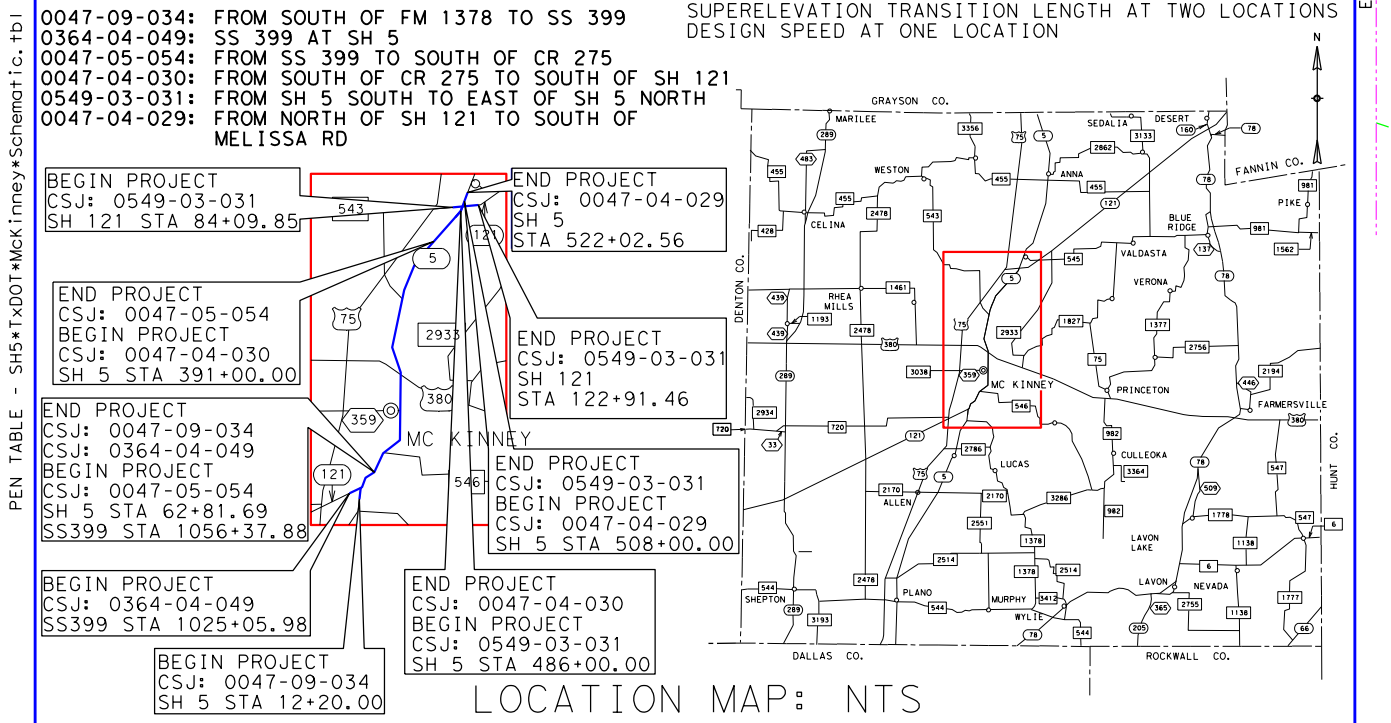
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET: 0 50 100 150 200
VERT. SCALE IN FEET: 0 10 20 30 40

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD



CSJ: 0364-04-049
BEGIN PROJECT
CSJ: 0047-05-054
SH 5 STA 62+81.69
SS399 STA 1056+37.88

BEGIN PROJECT
CSJ: 0364-04-049
SS399 STA 1025+05.98

BEGIN PROJECT
CSJ: 0047-09-034
SH 5 STA 12+20.00

END PROJECT
CSJ: 0549-03-031
BEGIN PROJECT
CSJ: 0047-04-029
SH 5 STA 508+00.00

END PROJECT
CSJ: 0047-04-030
BEGIN PROJECT
CSJ: 0549-03-031
SH 5 STA 486+00.00

LOCATION MAP: NTS

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Prepared by or under the
Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

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Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

PLAN & PROFILE
SH 5
STA 205+00 TO STA 260+00

ROLL 5 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-005
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*103.dgn
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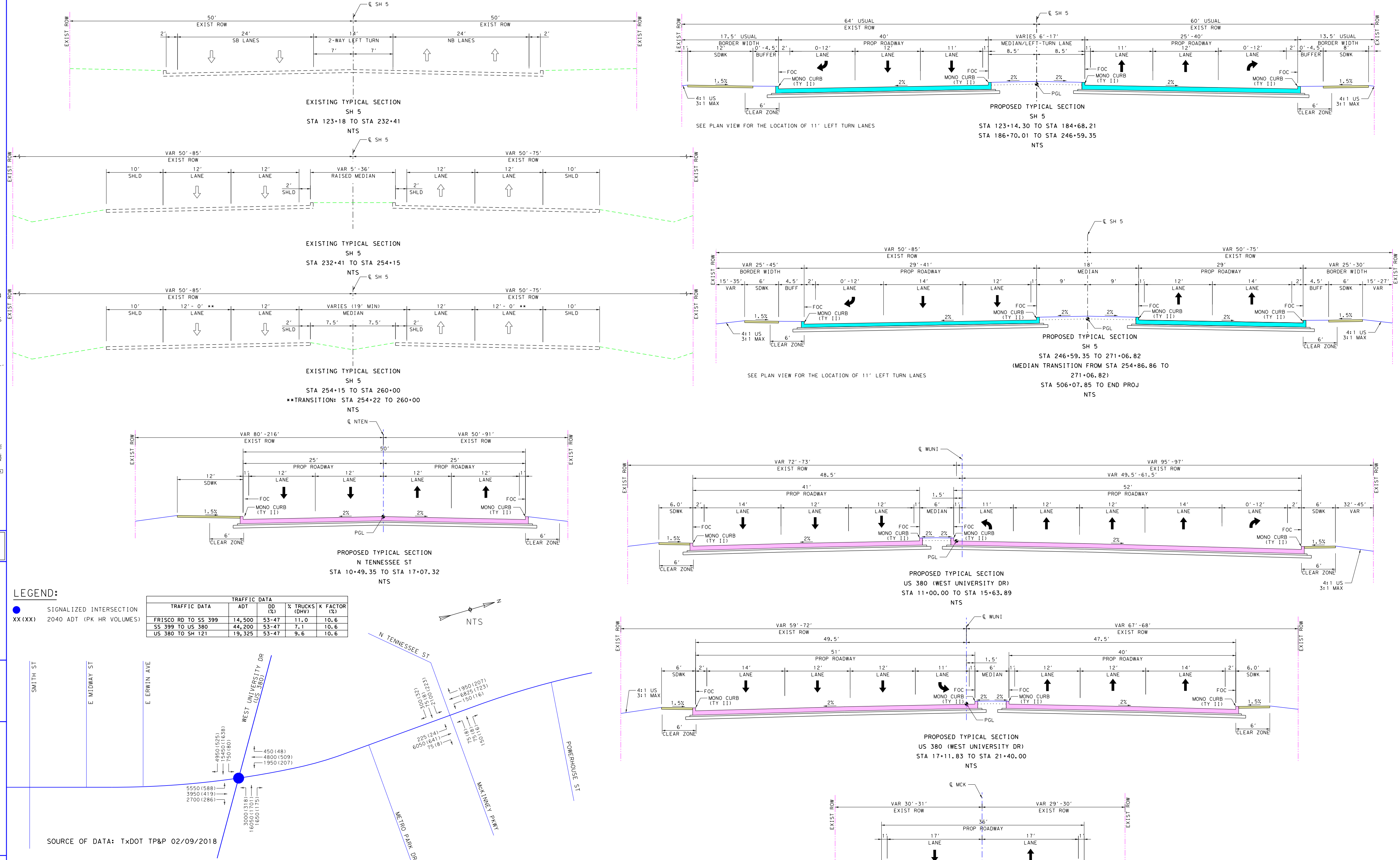


LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)

SOURCE OF DATA: TxDOT TP&P 02/09/2018

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-14	214+62.92	2,546,375.67	7,127,803.12	5,729.58'	9° 59' 00.00" LT	998.33'	500.43'	209+62.48	219+60.82
℄ SH5	CLSH5-15	236+74.51	2,546,015.01	7,129,987.67	5,729.58'	1° 51' 33.89" LT	185.94'	92.98'	235+81.53	237+67.47
℄ SH5	CLSH5-16	251+49.61	2,545,727.63	7,131,434.53	5,729.58'	11° 37' 26.77" RT	1,162.41'	583.21'	245+66.41	257+28.82
℄ NTEN	CLNTEN-1	15+76.64	2,545,604.84	7,130,910.08	350.00'	63° 15' 03.58" RT	386.38'	215.54'	13+61.10	17+47.48

COLOR LEGEND
- 🟦 PROPOSED MAINLANES
- 🟧 PROPOSED BRIDGE
- ⬜ PROPOSED DRIVEWAY
- 🟪 PROPOSED CROSS STREET
- 🟨 PROPOSED DIRECT CONNECTOR
- 🟫 PROPOSED SIDEWALK
- 🟫 PROPOSED RAMP
- 🟦 PROPOSED PAVED MEDIAN
- 🟩 PROPOSED NON-PAVED MEDIAN
- 🟦 100 YEAR FLOOD PLAIN
- — EXISTING PAVEMENT (BY OTHERS)
- ▨ EXISTING PAVEMENT TO BE REMOVED
- ☒ POTENTIAL STRUCTURE DISPLACEMENT
- — · — CENTERLINE/BASELINE (CROSS STREETS)
- — · — CENTERLINE (MAINLANE)
- — - — PROPOSED ROW
- — ·· — CITY LIMITS
- — - — EXISTING ROW
- — PROPERTY LINES
- — FEMA FLOODPLAIN BOUNDARY
- —II— CONTROL OF ACCESS
- ▲▲▲ PROPOSED RETAINING WALL
- ← PROPOSED TRAFFIC FLOW
- ⇦ EXISTING TRAFFIC FLOW
- ···OT···OT···OT··· OVERHEAD TELEPHONE UTIL
- ···OP···OP···OP··· OVERHEAD ELECTRIC UTIL
- ···OC···OC···OC··· OVERHEAD CABLE UTIL
- ···T···T···T···T··· BURIED TELEPHONE UTIL
- ···P···P···P···P··· BURIED ELECTRIC UTIL
- ···C···C···C···C··· BURIED CABLE UTIL
- ···W···W···W···W··· BURIED WATER UTIL
- ···WW···WW···WW··· BURIED SEWER UTIL
- ···G···G···G···G··· BURIED GAS/OIL UTIL
- - - - - BURIED SOLID WASTE LINE
- (XXXXX-XX) HORIZONTAL CURVE NAME
- XXX PROPERTY ID NUMBER
- EXISTING DRAINAGE STRUCTURES
- PROPOSED DRAINAGE STRUCTURES
- 🚦 PROPOSED SIGNALIZED INTERSECTION

NOTES:

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

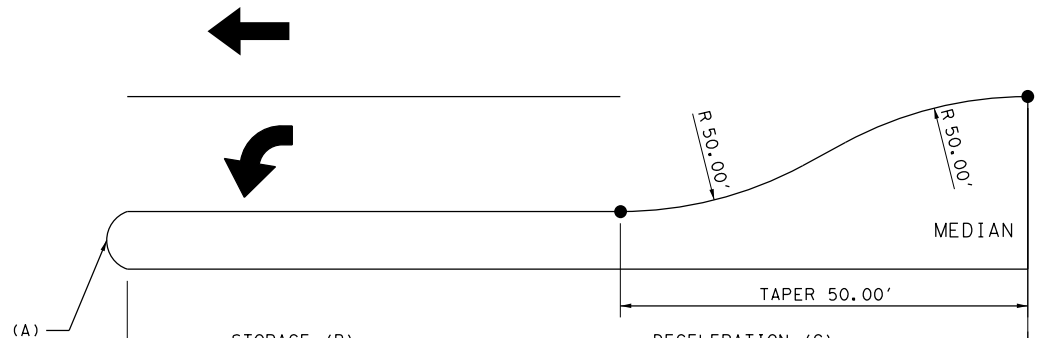
PRELIMINARY - SUBJECT TO CHANGE

670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
161	617 N MCDONALD ST	GENNEXT LLC	FAMILY DOLLAR
162	501 SMITH ST	RONALD ROGERS &	
163	701 N MCDONALD ST	SUPER B CAR WASH INC	SUPER B CAR WASH
164	801 N MCDONALD ST	REALEINS PROPERTIES LTD	MCKINNEY PLAZA SHOPPING CENTER
165	708 N MCDONALD ST	JOHN H RATTAN	THE BODY SHOP
166	823 N MCDONALD ST	COLLIN CO HEALTH CARE FND	COLLIN COUNTY GOVERNMENT
167	800 N MCDONALD ST	MCKINNEY ISD	MCKINNEY ISD
168	727 N MCDONALD ST	WEBB PARTNERS LTD	
169	806 N MCDONALD ST	CARPAR PROPERTY II LLC ETAL	OREILLY AUTO PARTS
170	812 N MCDONALD ST	CUBESMART LP	CUBESMART
171	901 N MCDONALD ST	MCDONALD PARTNERS LLC	MCDONALD BUSINESS PLAZA
172	814 N MCDONALD ST	NAUGHTY PINES PROPERTIES LTD	BINFORD SUPPLY
173	902 N MCDONALD ST	DG STRATEGIC II LLC	DOLLAR GENERAL
174	411 E ERWIN AVE	PARTNERS LTD WEBB	THUNDER HARLEY REPAIR
175	310 E UNIVERSITY DR	HISUN MOTORS CORP USA	HISUN MOTORS
176		HOUSING AUTHORITY OF MCKINNEY	
177	1028 N MCDONALD ST	ACIS PROPERTIES LLC	ACIS INNOVATIVE SOLUTIONS
178	1030 N MCDONALD ST	MEEKS UNLIMITED LLC	GOODYEAR
179	1035 N MCDONALD ST	AUTOZONE INC	AUTOZONE
180	1034 N MCDONALD ST	BASTIAN FUEL LLC	SHELL
181	1220 N TENNESSEE ST	SOUTHERN FOODS GROUP L P	SOUTHWEST ICE CREAM SPECIALTIES
182	US HWY 380	MCKINNEY CROSSING LLC	
183	1330 N MCDONALD ST	MCKINNEY CROSSING LLC	MCKINNEY JUNCTION
184	1400 N MCDONALD ST	MCKINNEY CROSSING LLC	COLLIN COUNTY MINI STORAGE
185	215 E UNIVERSITY DR	SILVERSTONE DEVELOPMENT LTD	380 PLACE IN MCKINNEY
186	1404 N MCDONALD ST	DONALD M MOTSENBOCKER	USDA SERVICE CENTER
187	404 MCKINNEY PKWY	DONALD M MOTSENBOCKER	
188	1406 N MCDONALD ST	DONALD M MOTSENBOCKER	MCKINNEY BUSINESS CENTER
189	1410 N MCDONALD ST	MCKINNEY 19 LLC	BLUELINE RENTAL
190	400 POWER HOUSE ST	HAYDEN S, HARRELL	
191	1425 N TENNESSEE ST	DONALD M & MOTSENBOCKER	ACTION COMPANY
192	1431 N TENNESSEE ST	BIPINCHANDRA & JAYABEN PATEL	MCKINNEY INN
193	N MCDONALD ST	DONALD M MOTSENBOCKER	
194	401 POWER HOUSE ST	SAMARITAN INN INC.	
195	1513 N MCDONALD ST	ONCOR ELECTRIC DELIVERY COMPANY	ONCOR



TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
SMITH ST	206+15.21	3	100	275	375	L	NB
SMITH ST	206+83.13	3	100	275	375	L	SB
E MIDWAY ST	214+37.82	3	100	275	375	L	NB
E ERWIN AVE	221+97.91	3	100	275	375	L	NB
W UNIVERSITY DR*	N/A	N/A	100	275	375	R	NB
W UNIVERSITY DR*	N/A	N/A	100	275	375	R	SB
W UNIVERSITY DR*	235+57.04	3	100	275	375	L	NB
W UNIVERSITY DR*	237+77.15	3	160	275	435	L	SB
N TENNESSEE ST	246+14.41	3	100	275	375	L	NB
MCKINNEY PKWY	247+04.30	3	100	275	375	L	SB
POWERHOUSE ST	254+86.84	3	100	275	375	L	SB

* SIGNALIZED INTERSETION

Texas Department of Transportation
DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING,
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018
PUBLIC MEETING
NOVEMBER 27, 2018
Michael Baker
INTERNATIONAL
PLAN & PROFILE
SH 5
STA 205+00 TO STA 260+00
ROLL 5 OF 12 ROLLS
S-005

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378(COUNTRY CLUB RD), FM 546(OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338(FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

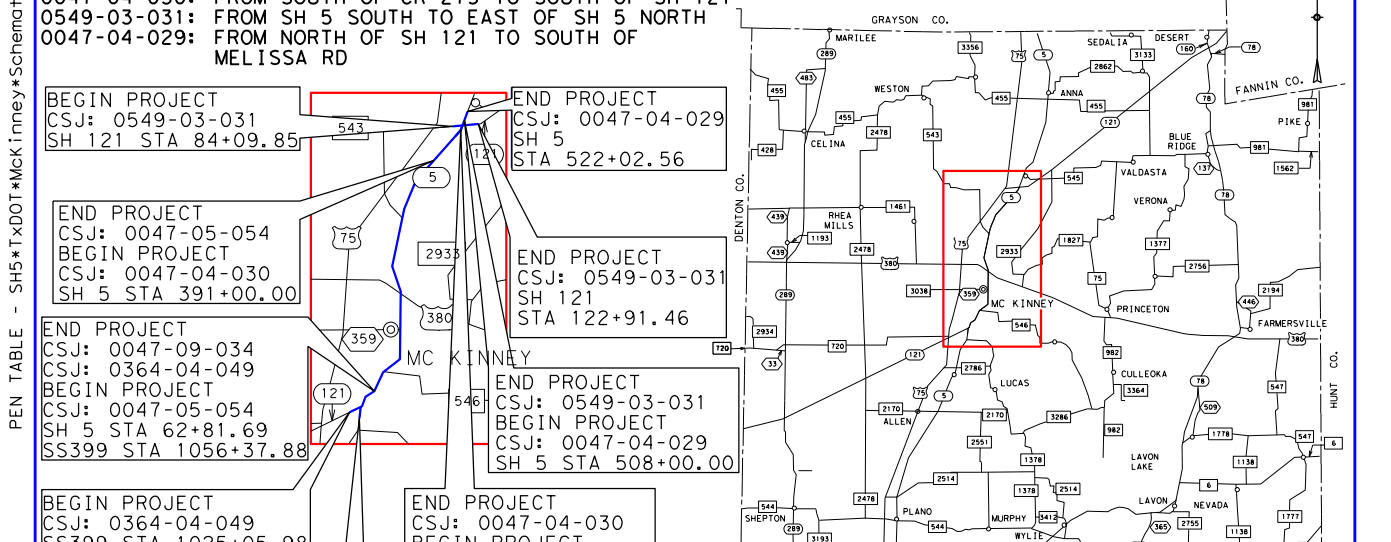
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
DENTON CO.
FANNIN CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
N

LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

PLAN & PROFILE
SH 5
STA 260+00 TO STA 316+00
ROLL 6 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-006
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*104.dgn
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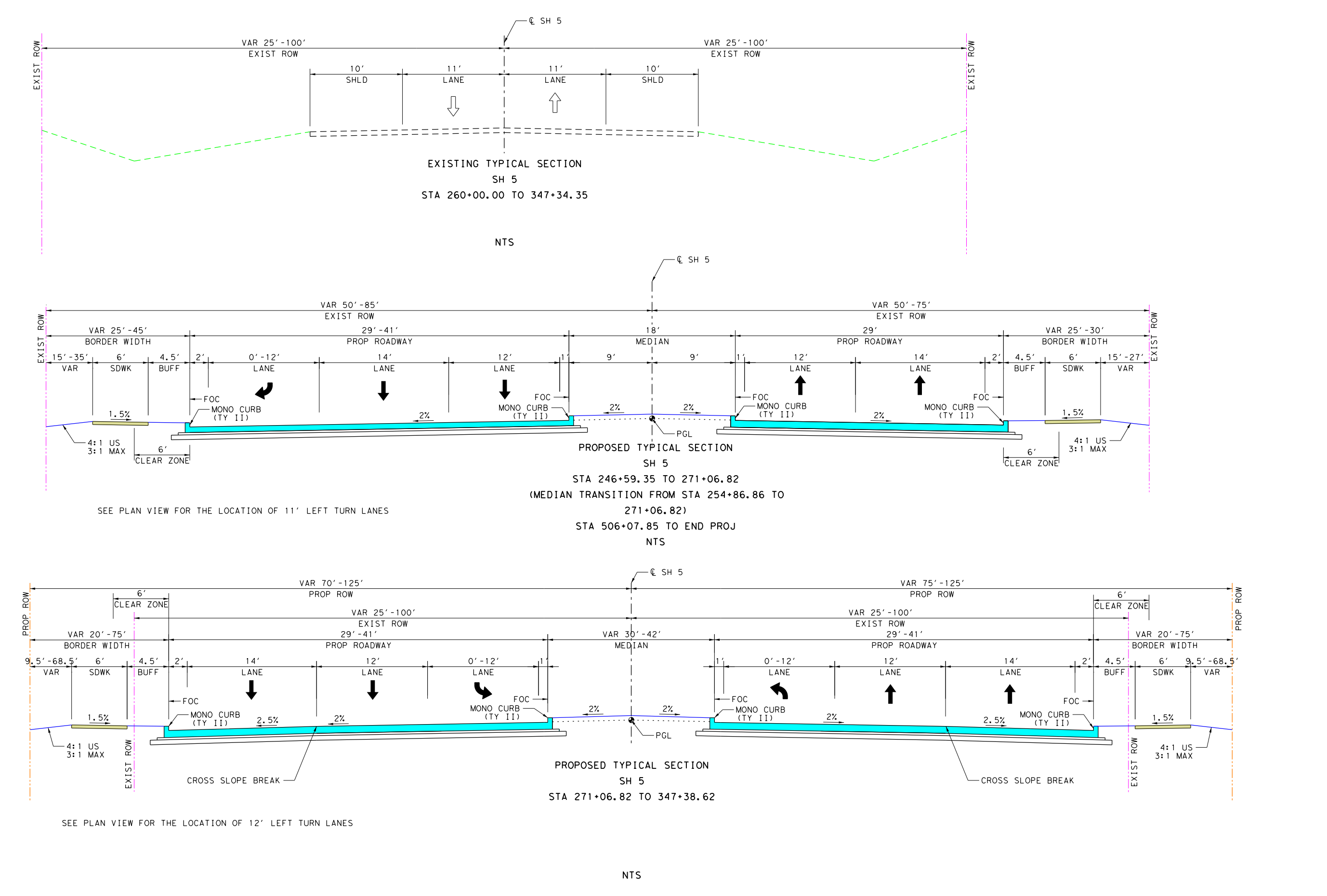
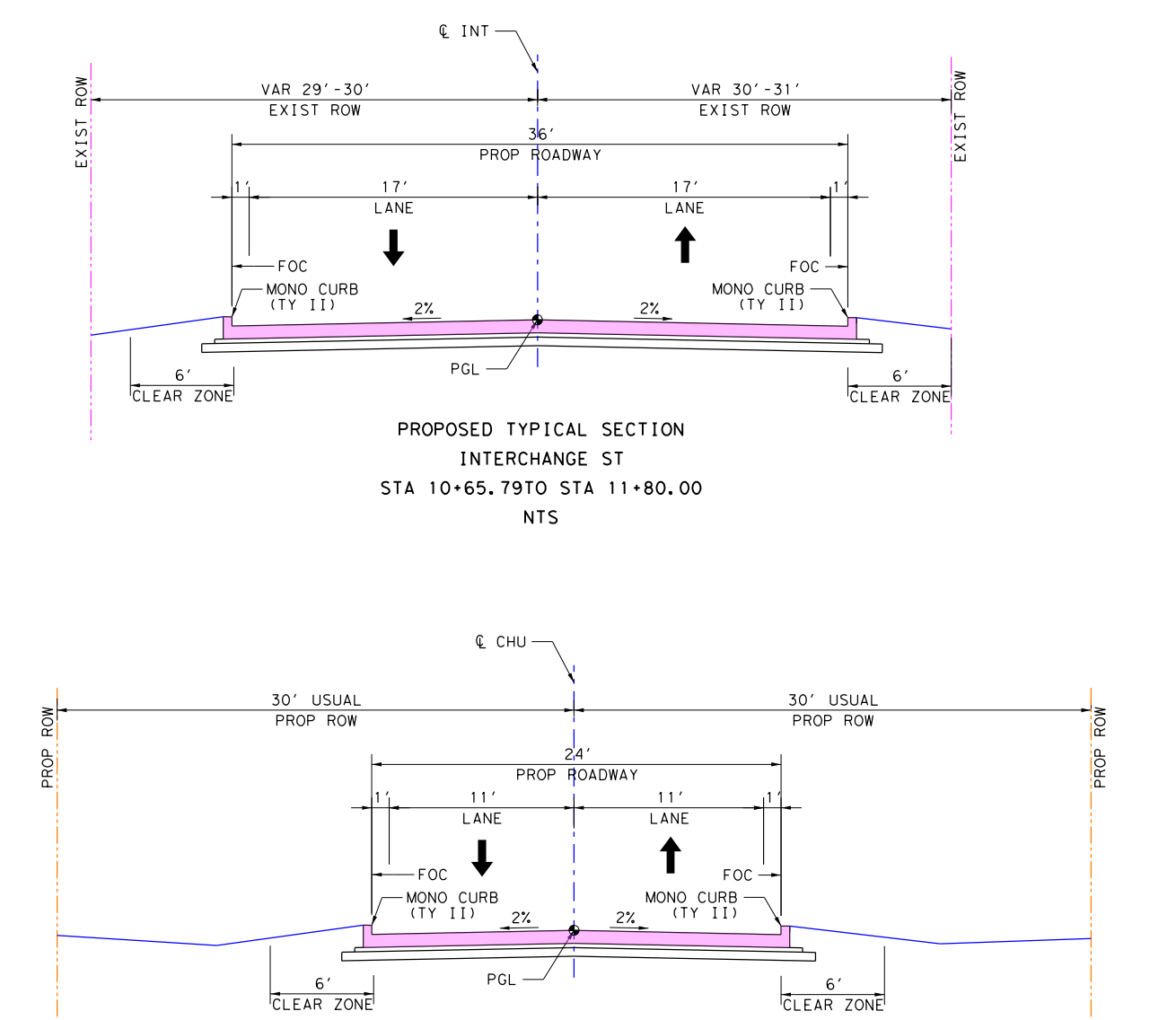
TIME: 2:53:16 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl

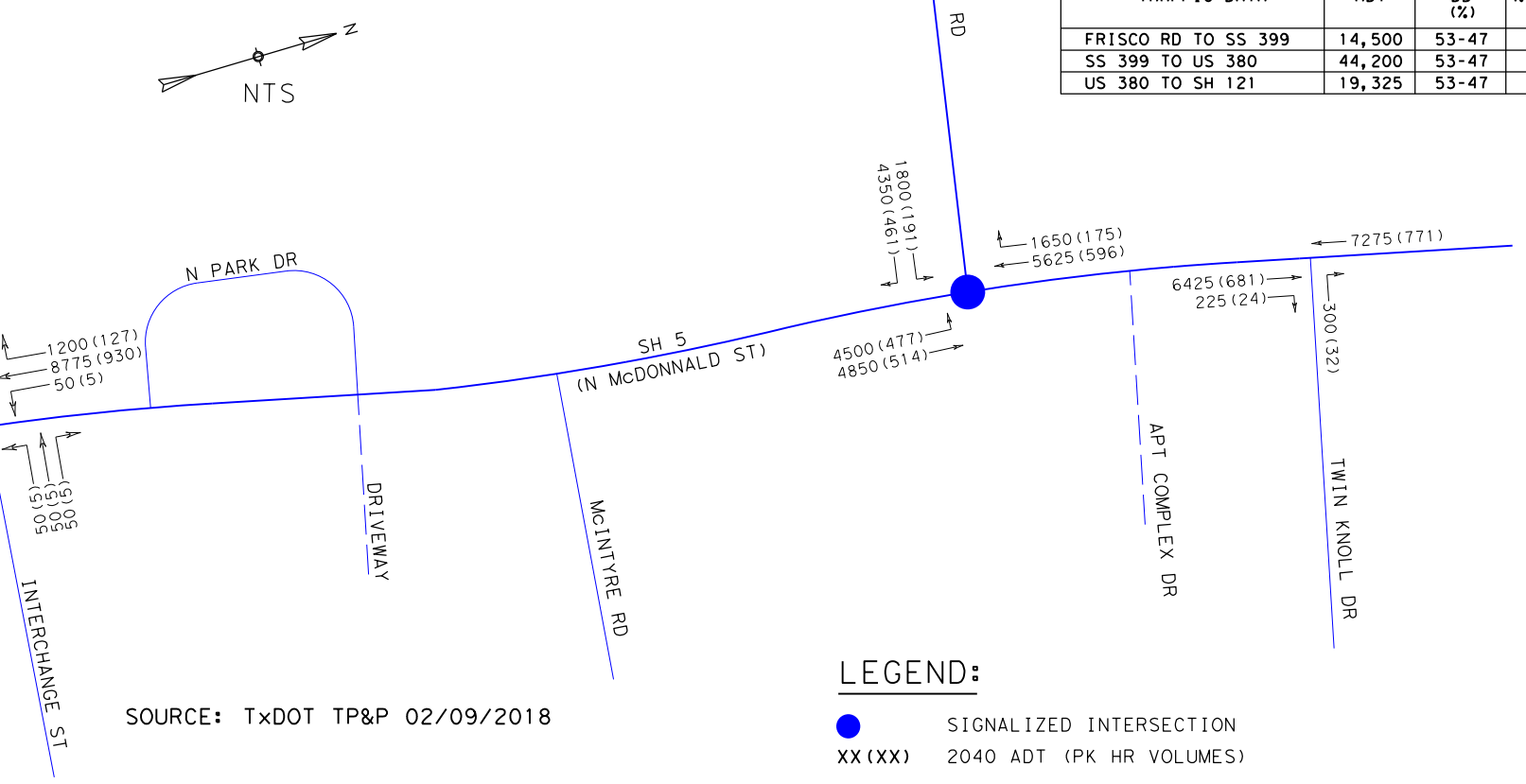

EXIST ROW
VAR 25'-45'
BORDER WIDTH
15'-35' VAR
6' SDWK
4.5' BUFF
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE
SEE PLAN VIEW FOR THE LOCATION
PROP ROW
VAR 20'-75'
BORDER WIDTH
9.5'-68.5' VAR
FOC
MONO (TY
CROSS



PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
196	1512 S MCDONALD ST	SAMARITAN INN INC	
197	1515 N MCDONALD ST	HIGHWAY 5 DEPOT LP	AT&T SERVICES
198	1533 N MCDONALD ST	NORTH BAYPORT INDUSTRIAL PARK II LTD &	UNITED RENTALS
199	1615 N MCDONALD ST	1622 ROGERS ROAD LTD	METRO IRRIGATION SUPPLY COMPANY
200	401 INTERCHANGE ST	KOUROSH INVESTMENTS LLC	PRECISION ALIGN & AUTO SERVICE
201	CHURCH ST N	AMON BRIAN ROPER	
202	N MCDONALD ST	AMON BRIAN ROPER	
203	1710 MCDONALD ST N	SAMARITAN INN INC	SAMARITAN INN
204	1723 N MCDONALD ST	SAMARITAN INN INC	THE NORTH TEXAS GATEWAY APTS
205	1720 N MCDONALD ST	MCKINNEY NURSING HMS LTD	NORTH PARK HEALTH & REHAB CENTER
206	1725 N MCDONALD ST	SAMARITAN INN INC	
207	1800 N MCDONALD ST	TYG LEASING LP	TYG
208		CITY OF MCKINNEY	
209	STATE HWY 5	SP5 CONLEY COMMONS MASTER LLC	
210		CITY OF MCKINNEY	OAK HOLLOW GOLF COURSE
211	2010 N MCDONALD ST	SLOAN CREEK LTD & PLF LTD	
212	3101 N MCDONALD ST	DFA LTD	OAK HOLLOW
213	3104 N MCDONALD ST	C DON & SHIRLEY REDDELL COOPER	
214	3109 N MCDONALD ST	VEENA BODHIREDDY &	
215		JAFAR ALI	
216		KOUROSH INVESTMENT LLC	
217	3300 N MCDONALD ST	CREEK POINT LP	CREEK POINT APARTMENTS TC
218		N-MCDONALD LLC	
219	3352 N MCDONALD ST	RSJS WAREHOUSE LTD	
220		ASSOCIATION OF TRINITY HEIGHTS HOMEOWNERS INC	
221	3303 N MCDONALD ST	CROOKED CREEK INC	MCD INNOVATIONS
222		ASSOCIATION OF TRINITY HEIGHTS HOMEOWNERS INC	


NTS
N
N CHURCH ST
INTERCHANGE ST
DRIVEWAY
N PARK DR
SH 5 (N McDONNALD ST)
McINTYRE RD
WILMETH RD
APT COMPLEX DR
TWIN KNOLL DR
150(16)
50(5)
1200(127)
8775(930)
8150(864)
1800(191)
4350(461)
1650(175)
5625(596)
4500(477)
4850(514)
6425(681)
225(24)
7275(771)
300(32)

SOURCE: TxDOT TP&P 02/09/2018

LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-17	274+93.53	2,545,743.61	7,133,782.40	950.00'	10° 07' 42.75" RT	167.94'	84.19'	274+09.35	275+77.28
℄ SH5	CLSH5-18	292+64.91	2,546,067.07	7,135,524.44	1,909.86'	19° 10' 15.53" LT	639.03'	322.53'	289+42.38	295+81.41
℄ SH5	CLSH5-19	303+00.34	2,545,910.39	7,136,554.05	1,450.00'	25° 08' 33.56" RT	636.29'	323.35'	299+76.98	306+13.28
℄ CHU	CLCHU-1	10+88.72	2,545,045.61	7,133,068.30	1,091.35'	9° 17' 41.86" RT	177.05'	88.72'	10+00.00	11+77.05
℄ CHU	CLCHU-2	13+20.78	2,545,205.96	7,133,236.58	333.00'	46° 41' 35.18" RT	271.38'	143.73'	11+77.05	14+48.42
℄ WIL	CLWIL-1	13+12.61	2,545,612.37	7,136,589.65	1,000.00'	5° 50' 27.07" RT	101.94'	51.02'	12+61.60	13+63.54

COLOR LEGEND

🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
🟦	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—·—	CENTERLINE (MAINLANE)
— - - —	PROPOSED ROW
—··—··—	CITY LIMITS
— - - —	EXISTING ROW
—	PROPERTY LINES
—	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
▲▲▲	PROPOSED RETAINING WALL
←	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T	BURIED TELEPHONE UTIL
P P P	BURIED ELECTRIC UTIL
C C C	BURIED CABLE UTIL
W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G	BURIED GAS/OIL UTIL
- - - -	BURIED SOLID WASTE LINE
(XXXXX-XX)	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
╫	EXISTING DRAINAGE STRUCTURES
╫	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:

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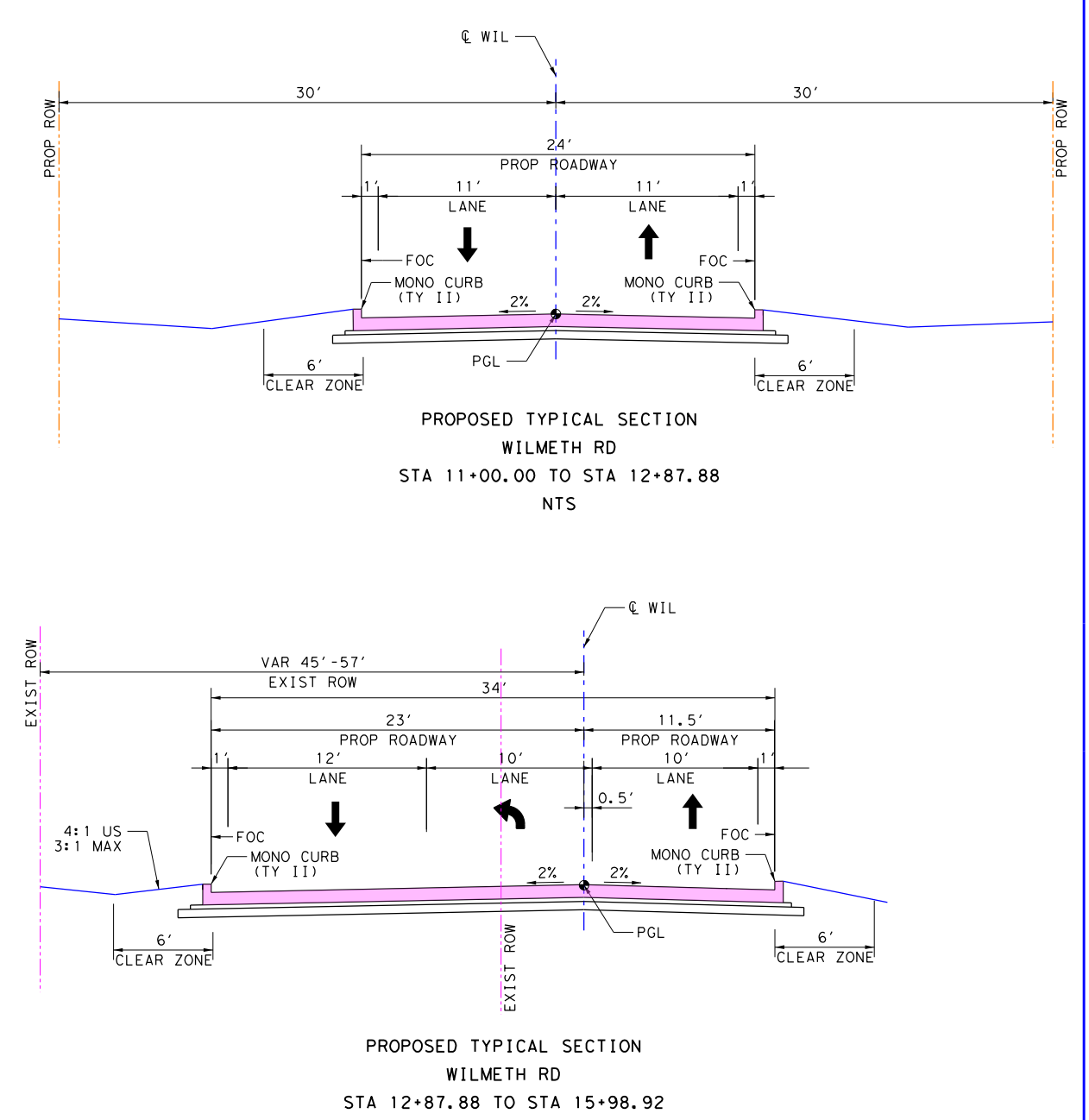
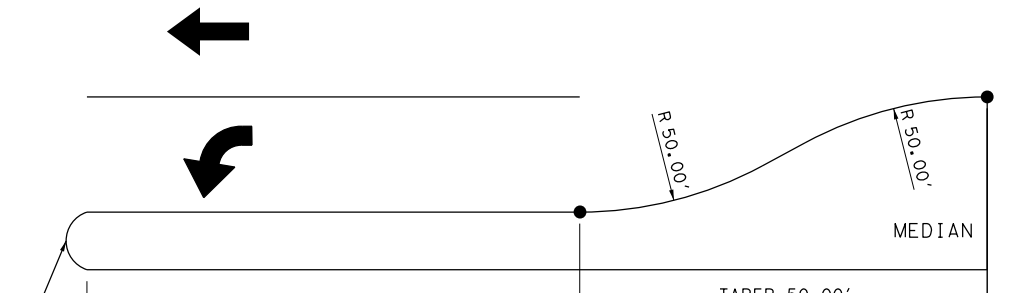
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

PRELIMINARY - SUBJECT TO CHANGE




SEPARATOR (A)
STORAGE (B)
DECELERATION (C)
TOTAL LENGTH
TAPER 50.00'
R 50.00'
R 50.00'
MEDIAN

TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
PRIVATE DRIVEWAY	263+90.07	4	100	275	375	L	NB
INTERCHANGE ST	269+06.82	4	100	275	375	L	NB
INTERCHANGE ST	269+82.84	4	100	275	375	L	SB
N PARK	280+04.47	4	100	275	375	L	NB
PRIVATE DRIVEWAY	280+71.85	4	100	275	375	L	SB
MCINTYRE RD	293+35.01	4	100	275	375	L	SB
WILMETH RD*	302+72.33	4	100	275	375	L	NB
PRIVATE DRIVEWAY	308+03.33	4	100	275	375	L	SB

* SIGNALIZED INTERSETION

Texas Department of Transportation
DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PUBLIC MEETING
NOVEMBER 27, 2018
Michael Baker INTERNATIONAL
PLAN & PROFILE
SH 5
STA 260+00 TO STA 316+00
S-006

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378(COUNTRY CLUB RD), FM 546(OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338(FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

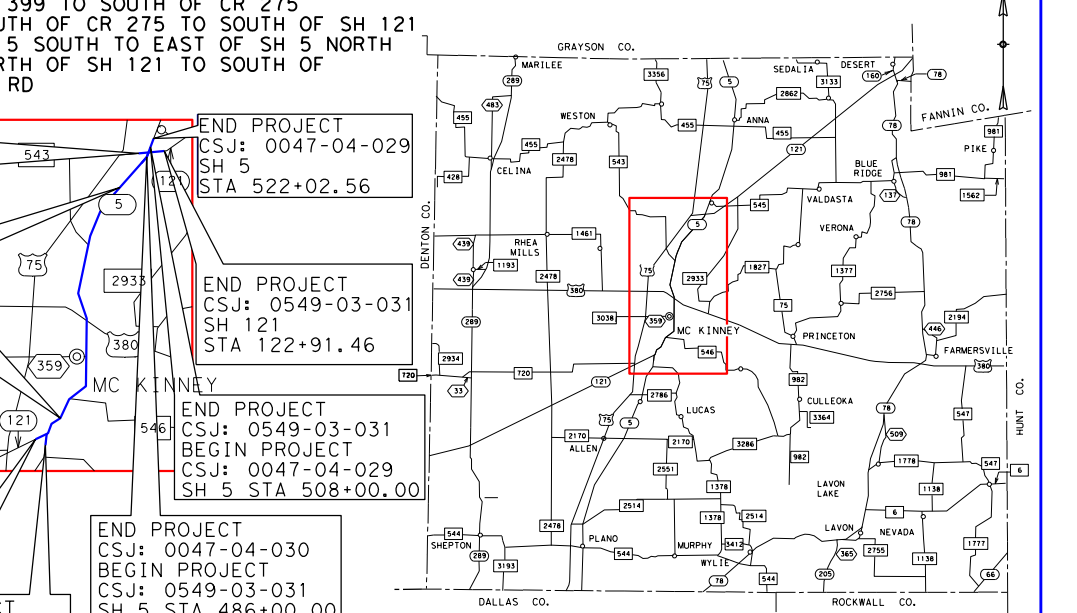
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION



BEGIN PROJECT
CSJ: 0549-03-031
SH 121 STA 84+09.85

END PROJECT
CSJ: 0047-04-029
SH 5
STA 522+02.56

END PROJECT
CSJ: 0047-05-054
BEGIN PROJECT
CSJ: 0047-04-030
SH 5 STA 391+00.00

END PROJECT
CSJ: 0549-03-031
SH 121
STA 122+91.46

END PROJECT
CSJ: 0047-09-034
CSJ: 0364-04-049
BEGIN PROJECT
CSJ: 0047-05-054
SH 5 STA 62+81.69
SS399 STA 1056+37.88

END PROJECT
CSJ: 0549-03-031
BEGIN PROJECT
CSJ: 0047-04-029
SH 5 STA 508+00.00

BEGIN PROJECT
CSJ: 0364-04-049
SS399 STA 1025+05.98

END PROJECT
CSJ: 0047-04-030
BEGIN PROJECT
CSJ: 0549-03-031
SH 5 STA 486+00.00

BEGIN PROJECT
CSJ: 0047-09-034
SH 5 STA 12+20.00

LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING,
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

PLAN & PROFILE

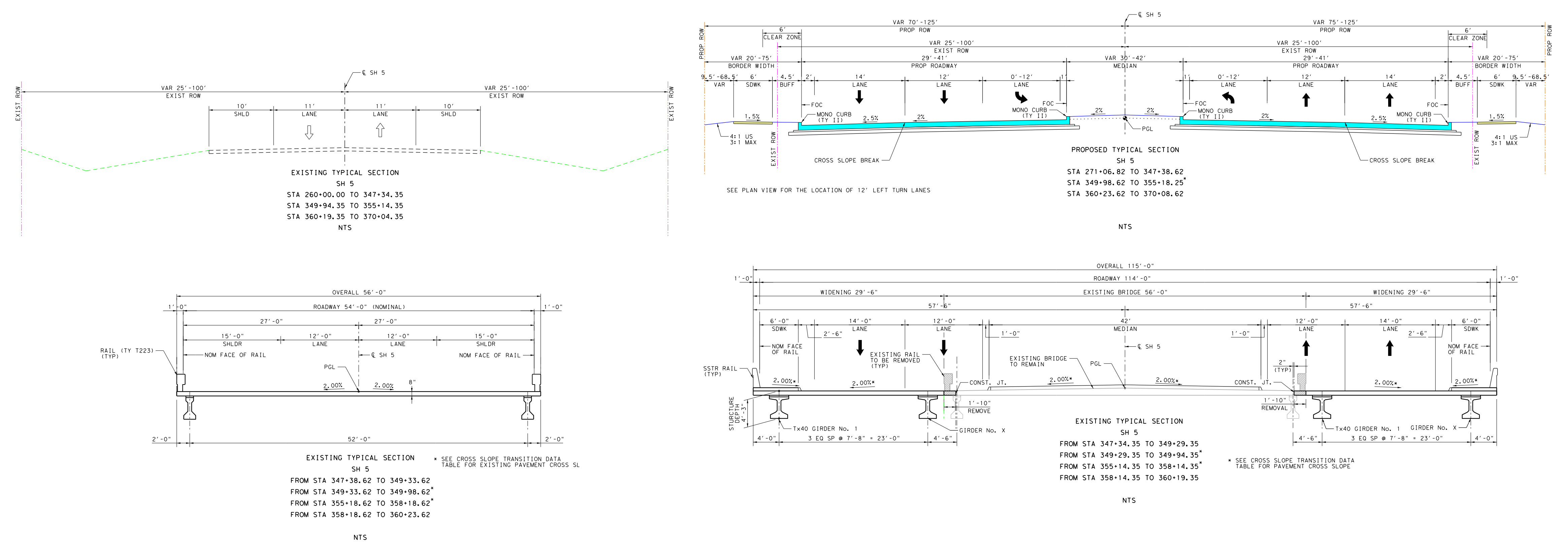
SH 5

STA 316+00 TO STA 369+00

ROLL 7 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-007
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*105.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF.pltcfg
TIME: 3:22:53 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl



HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-20	321+82.64	2,546,447.64	7,138,368.91	3,820.00'	12° 19' 12.92" LT	821.41'	412.30'	317+70.34	325+91.75
℄ SH5	CLSH5-21	333+09.83	2,546,529.83	7,139,496.28	2,864.79'	3° 53' 04.76" RT	194.23'	97.15'	332+12.67	334+06.91
℄ SH5	CLSH5-22	353+81.09	2,546,820.06	7,141,547.19	1,909.86'	18° 26' 19.21" RT	614.62'	309.99'	350+71.10	356+85.72
℄ WES	CLWES-1	13+38.61	2,546,130.29	7,139,977.27	940.00'	37° 02' 04.17" LT	607.59'	314.83'	10+23.77	16+31.37

COLOR LEGEND

🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
⬜	100 YEAR FLOOD PLAIN
——	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—·—	CENTERLINE (MAINLANE)
— - — -	PROPOSED ROW
—··—··—	CITY LIMITS
— - — -	EXISTING ROW
——	PROPERTY LINES
——	FEMA FLOODPLAIN BOUNDARY
——‖——	CONTROL OF ACCESS
▲▲▲▲	PROPOSED RETAINING WALL
⬅	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T T	BURIED TELEPHONE UTIL
P P P P	BURIED ELECTRIC UTIL
C C C C	BURIED CABLE UTIL
W W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G G	BURIED GAS/OIL UTIL
- - - - - - -	BURIED SOLID WASTE LINE
(XXXXX-XX)	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
⊫	EXISTING DRAINAGE STRUCTURES
⊫	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
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11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
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15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
223		ASSOCIATION OF TRINITY HEIGHTS HOMEOWNERS INC	
224	3590 N MCDONALD ST	AZAM MIRBAGHERY	
225		AZAM MIRBAGHERY	
226	3600 N MCDONALD ST	BEATTY MICKEY & JOHN M LOUCEL & KENNETH E LUSK	
227	3827 N MCDONALD ST	DAVID HUANG TRUSTEE	
228	3700 N MCDONALD ST	ALEJANDRO & ALICIA DIAZ	
229	3850 N MCDONALD ST	J GUADALUPE H ROMERO	
230	N MCDONALD ST	PAUL RAY & LINDA IRENE EASTHAM	
231	3874 N MCDONALD ST	GRANTSIE ANN YOUNGBLOOD	
232	N MCDONALD ST	GRANTSIE ANN YOUNGBLOOD	
233	3991 N MCDONALD ST	SEMINOLE BLOOMINFIVE LP	
234	STATE HWY 5	ROBERT L GLENN	
235	4000 N MCDONALD ST	LONE TREE RESOURCES & CONSULTING INC	LONE TREE RESOURCES & CONSULTING
236	FM HWY 543	HUMPHREY VICKIE D (CAVE) TST	
237	MCDONALD ST N	JAMAL & NAZNEEN TALUKDER	
238	1006 FM 543	JAMAL TALUKDER	
239	4177 N MCDONALD ST	MIKE A SCOTTI	
240	4080 N MCDONALD ST	W J FAMILY LP	
241		TERRY LACORE	
242		LACORE AGRICULTURE LLC	
243		TERRY LACORE	

CROSS SLOPE TRANSITION DATA

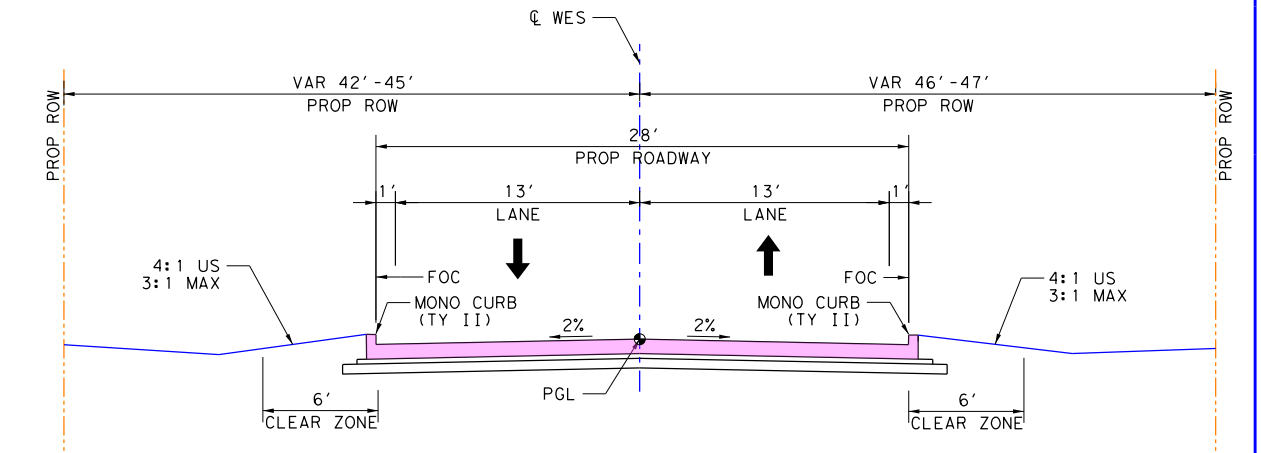
ALIGNMENT SH5	STA	LT-EOP SLOPE	RT-EOP SLOPE
BEG TRANSITION	349+33.62	2.00%	-2.00%
END TRANSITION	351+33.62	-5.50%	-5.50%
BEG TRANSITION	356+18.62	-5.50%	-5.50%
END TRANSITION	358+18.62	2.00%	-2.00%

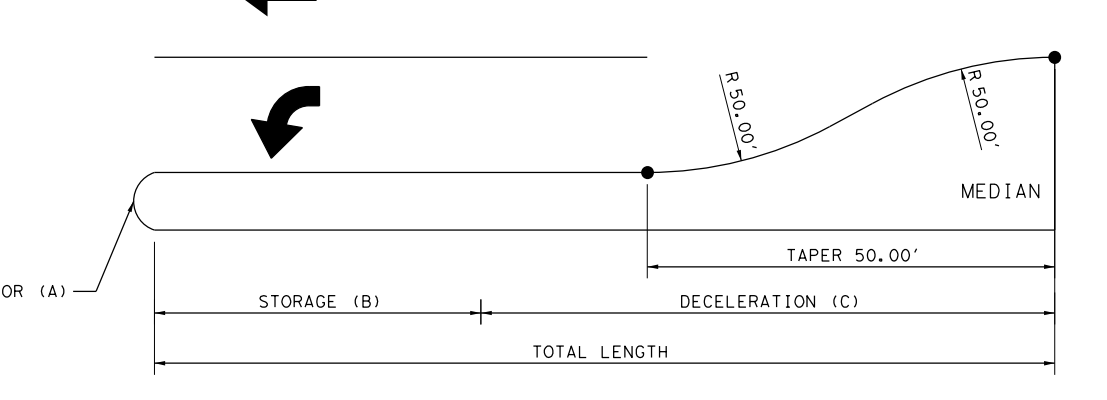
NOTES: EOP ROTATES ABOUT PGL

℄ SH5 STA 317+24.00=
℄ CYP STA 10+00.00
CSJ 0047-05-054 MATCH LINE STA 316+00

PRELIMINARY - SUBJECT TO CHANGE

650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
500
490





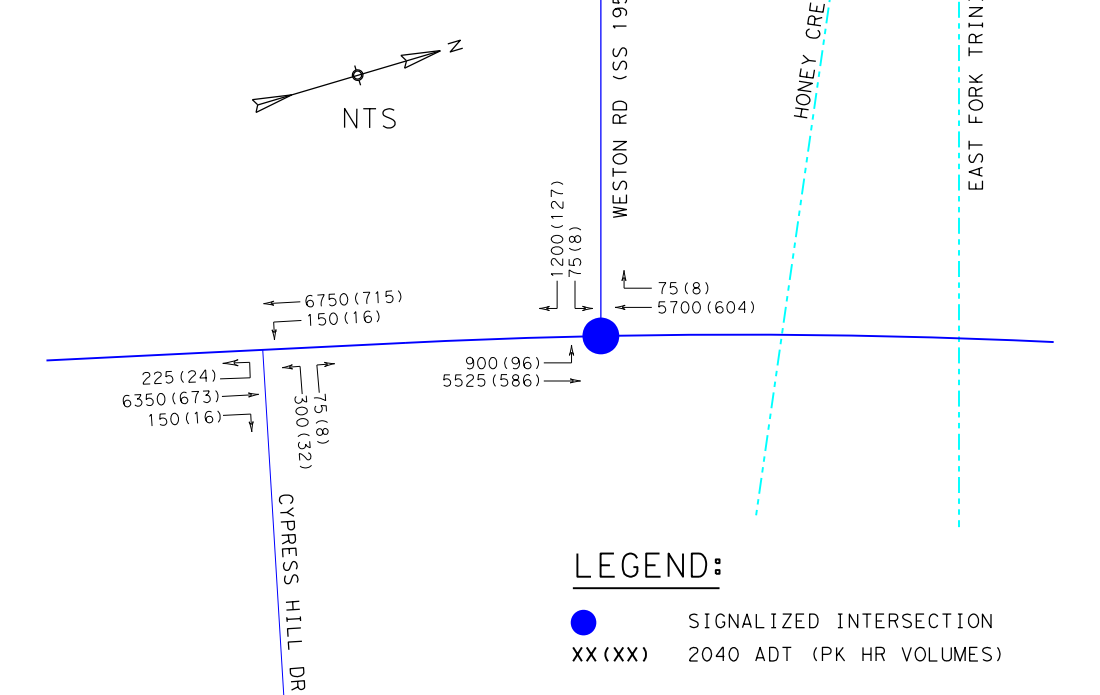
TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT) (A)	STORAGE (FT) (B)	DECELERATION (FT) (C)	TOTAL LENGTH (FT)	L/R	SB/NB
CYPRESS HILL DR	317+68.75	4	100	275	375	L	SB
PRIVATE DRIVEWAY	329+72.77	4	100	275	375	L	NB
WESTON RD*	336+92.39	4	100	275	375	L	NB

* SIGNALIZED INTERSETION

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6



LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)
SOURCE: TxDOT TP&P 02/09/2018

Texas Department of Transportation
DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PUBLIC MEETING
NOVEMBER 27, 2018
Michael Baker INTERNATIONAL
PLAN & PROFILE
SH 5
STA 316+00 TO STA 369+00
ROLL 7 OF 12 ROLLS
S-007

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

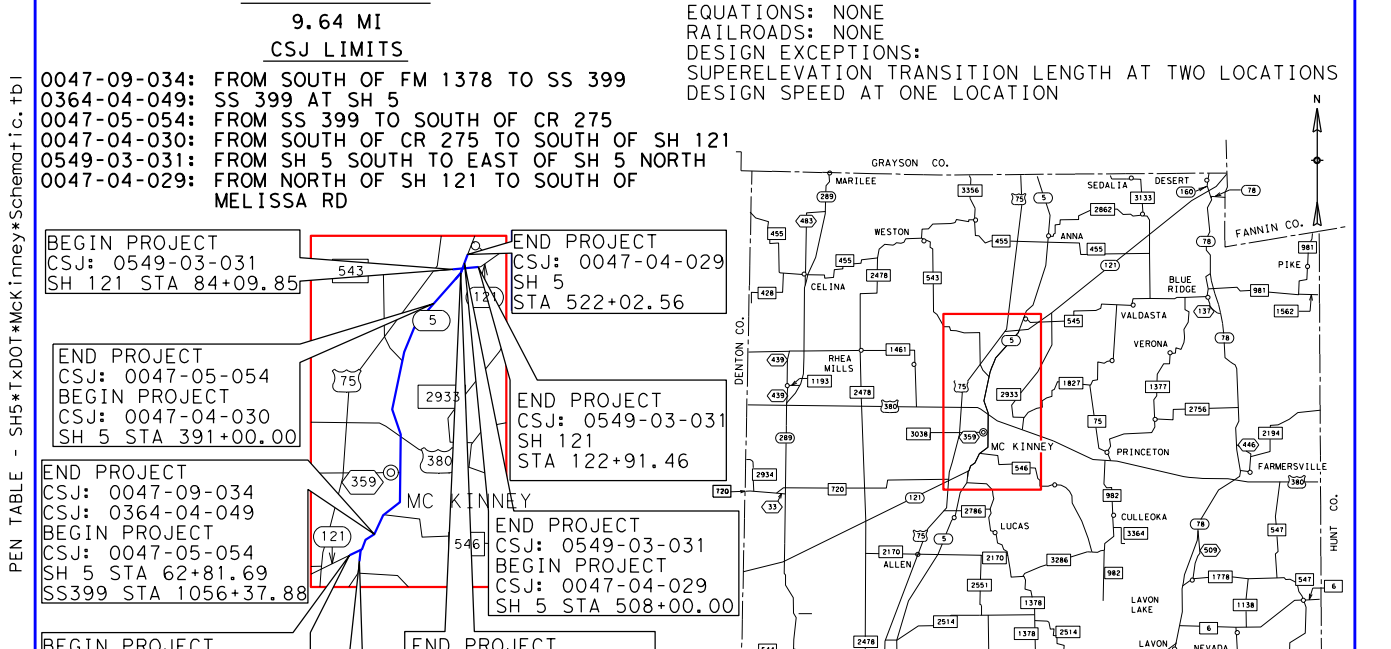
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
FANNIN CO.
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
N

LOCATION MAP: NTS

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- ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

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PLAN & PROFILE
SH 5
STA 369+00 TO STA 425+00
ROLL 8 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-008
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*106.dgn
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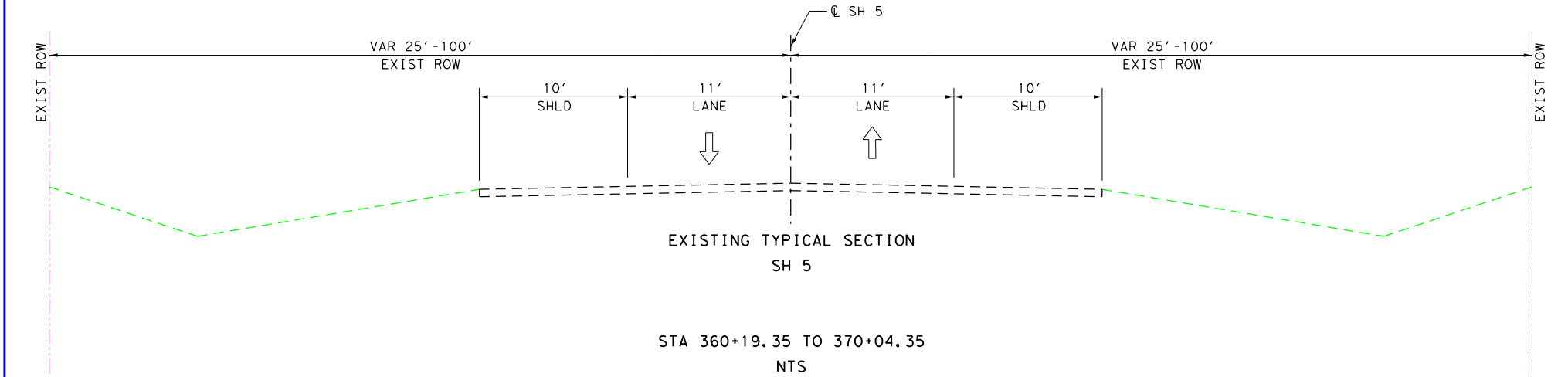
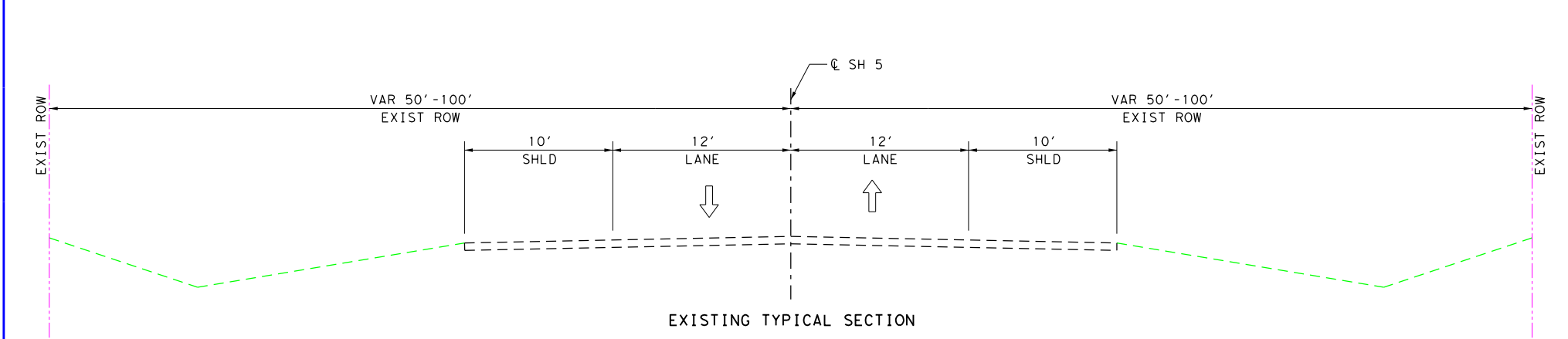
TIME: 3:34:56 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl


℄ SH 5
VAR 25'-100' EXIST ROW
10' SHLD
11' LANE
EXIST ROW

EXISTING TYPICAL SECTION
SH 5
STA 360+19.35 TO 370+04.35
NTS


℄ SH 5
VAR 50'-100' EXIST ROW
10' SHLD
12' LANE
EXIST ROW

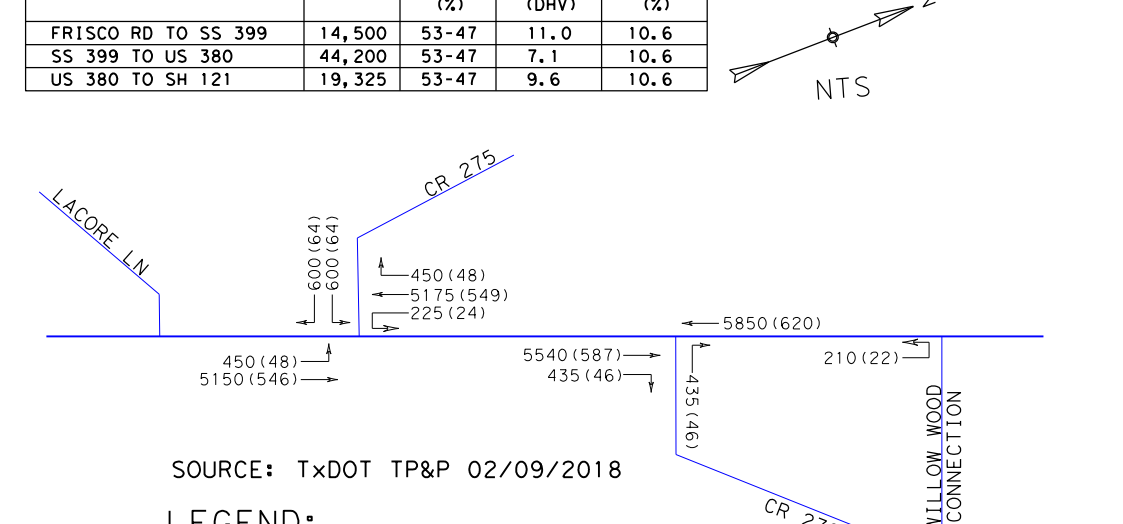
EXISTING TYPICAL SECTION
SH 5
STA 372+44.35 TO END
NTS

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

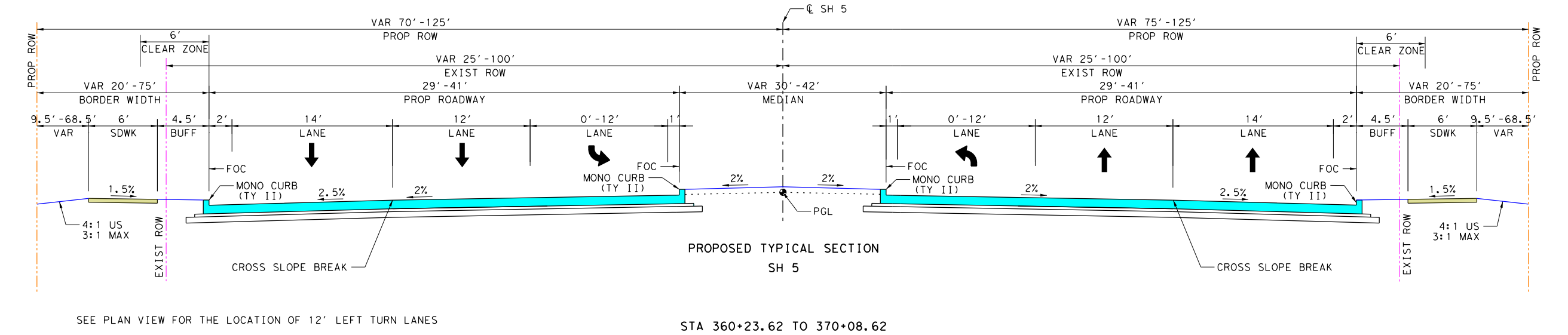
ID#	SITE ADDRESS	OWNER	BUSINESS NAME
242		LACORE AGRICULTURE LLC	
243		TERRY LACORE	
244	WILLOW WOOD BLVD	MCKINNEY PARTNERS 306 LP	
245	WILLOW WOOD BLVD	MCKINNEY PARTNERS 306 LP	
246	787 PRIVATE ROAD 5053	KENNETH D PILKINTON	
247	5310 N MCDONALD ST	WOOLARD LLC - CAR LOT SERIES	BURLS USED CARS
248	3248 COUNTY ROAD 275	AMY DEANNE ESCAMILLA	
249	N MCDONALD ST	BILLY DENSMORE	
250	5467 N MCDONALD ST	GILBERT & ALICA PADRON	
251		BILLY HARRIS	
252	N MCDONALD ST	BILLY DENSMORE	
253	630 COUNTY ROAD 278	GILBERT & ALICA PADRON	
254		MCKINNEY PARTNERS 306 LP	
255	5523 N MCDONALD ST	CHRISTOPHER GING	
256	5550 N MCDONALD ST	ASAD AHMADI	XOOM AUTOS & A&M SERVICE TIRE SHOP
257	5559 N MCDONALD ST	LACORE RENTAL PROPERTIES LLC	
258	5604 N MCDONALD ST	C&F INVESTMENTS	5604-5610 N. MCDONALD/WAREHOUSE
259	5595 N MCDONALD ST	CHRISTOPHER YEAR-SING GING	
260	5671 N MCDONALD ST	THE DAVID & KELLIE WILLIAMS LIVING TRUST	
261	5668 N MCDONALD ST	WALTER & MARY BENNETT	
262	5728 N MCDONALD ST	GARY WAYNE MCLEMORE LIVING TRUST	
263	584 BREEZY HILL RD	THE EVANS MAX RICHARD & CORA LEE - LE & EVANS FAMILY REVOCABLE TRUST	
264	5818 N MCDONALD ST	PEGGY FREEMAN	
265	651 BREEZY HILL RD	WOOLARD LLC - BREEZY HILL SERIES	
266	5849 N MCDONALD ST	SELENA K WOOLARD	
267	5852 N MCDONALD ST	ROBERT & KIMBERLY FARMIGONI	GREEN OAKS LANDSCAPRE & MAINTENANCE
268	5878 N MCDONALD ST	MEZA LEONEL III & MIGUEL ANGEL RUIZ & SANTIAGO RUIZ	MIKES GARAGE
269	5849 N MCDONALD ST	SELENA K WOOLARD	
270	5906 N MCDONALD ST	CHRISTOPHER C & JULIANA J EASTERLING	N TEX ROOF SYSTEMS INC/PRISTINE AUTOMOTIVE
271	5919 N MCDONALD ST	LEONARD & ELISIA GONZALES	
272	5957 N MCDONALD ST	GENE F & MARIE C HENDRICKS	
273	5974 N MCDONALD ST	DAVIS HARRELL L & JOAN DAVIS TRUSTEE	
274	5989 N MCDONALD ST	DRAFFEN PROPERTY MGMT LP	
275	6015 N MCDONALD ST	WILLIAM BURL & REBECCA S WOOLARD	
276	6084 N MCDONALD ST	SHARON MACKENZIE	
277	6029 N MCDONALD ST	GROUP PROPERTIES LLC TOWNSEND	SPORTRON
278	6126 N MCDONALD ST	HERBERT W & LOUETTA-LE DAVIS	
279	N MCDONALD ST	BASHIR YOUSIF	
280	6202 N MCDONALD ST	J B PLEASANT JR	

TRAFFIC DATA				
TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6


N
NTS
LACORE LN
CR 275
600(64)
600(64)
450(48)
5175(549)
225(24)
450(48)
5150(546)
5850(620)
5540(587)
435(46)
435(46)
210(22)
CR 278
WILLOW WOOD CONNECTION

SOURCE: TxDOT TP&P 02/09/2018

LEGEND:
- ● SIGNALIZED INTERSECTION
- XX(XX) 2040 ADT (PK HR VOLUMES)

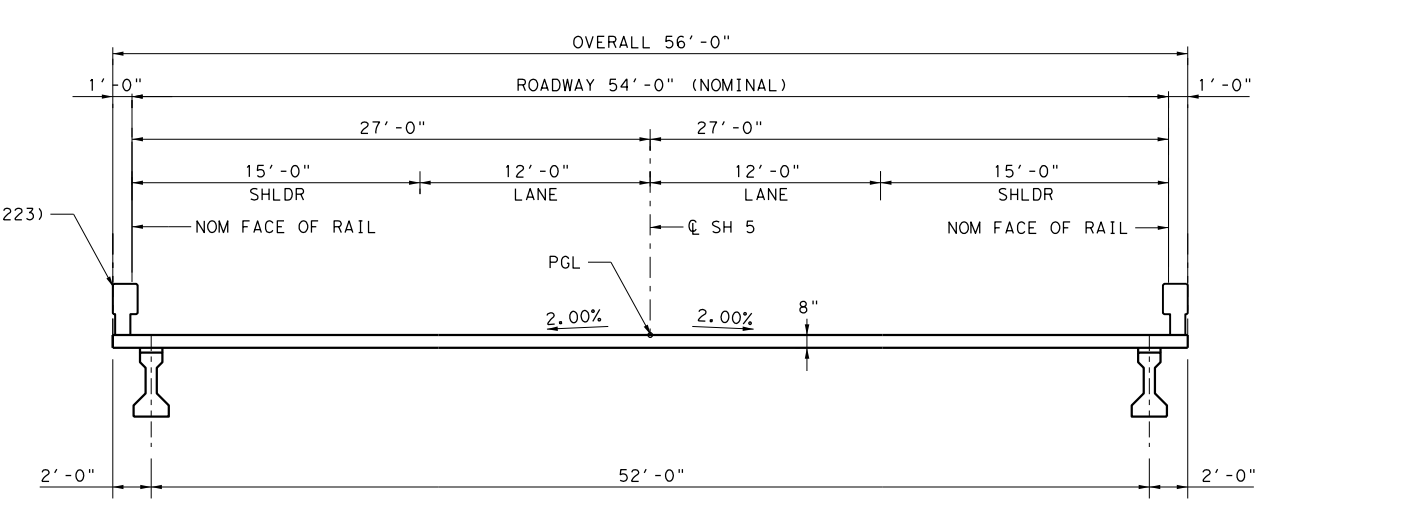

℄ SH 5
VAR 70'-125' PROP ROW
VAR 75'-125' PROP ROW
6' CLEAR ZONE
VAR 25'-100' EXIST ROW
VAR 20'-75' BORDER WIDTH
29'-41' PROP ROADWAY
VAR 30'-42' MEDIAN
9.5'-68.5' VAR
6' SDWK
4.5' BUFF
2'
14' LANE
12' LANE
0'-12' LANE
1'
FOC
MONO CURB (TY II)
2.5%
2%
1.5%
4:1 US 3:1 MAX
PGL
CROSS SLOPE BREAK
EXIST ROW
PROP ROW

PROPOSED TYPICAL SECTION
SH 5

SEE PLAN VIEW FOR THE LOCATION OF 12' LEFT TURN LANES

STA 360+23.62 TO 370+08.62
STA 372+48.62 TO 506+07.85

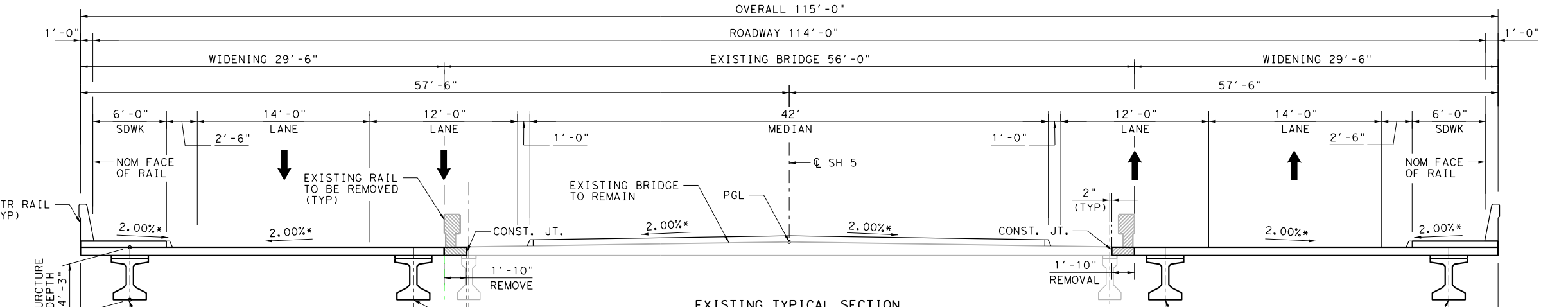
NTS


OVERALL 56'-0"
ROADWAY 54'-0" (NOMINAL)
1'-0"
27'-0"
15'-0" SHLDR
12'-0" LANE
NOM FACE OF RAIL
℄ SH 5
RAIL (TY T223) (TYP)
PGL
2.00%
8"
2'-0"
52'-0"

EXISTING TYPICAL SECTION
SH 5

* SEE CROSS SLOPE TRANSITION DATA TABLE FOR EXISTING PAVEMENT CROSS

FROM STA 370+08.62 TO 372+48.62
NTS


OVERALL 115'-0"
ROADWAY 114'-0"
1'-0"
WIDENING 29'-6"
EXISTING BRIDGE 56'-0"
57'-6"
6'-0" SDWK
14'-0" LANE
12'-0" LANE
42' MEDIAN
2'-6"
NOM FACE OF RAIL
EXISTING RAIL TO BE REMOVED (TYP)
EXISTING BRIDGE TO REMAIN
PGL
℄ SH 5
SSTR RAIL (TYP)
2.00%*
CONST. JT.
2" (TYP)
1'-10" REMOVE
1'-10" REMOVAL
STURCTURE DEPTH 4'-3"
Tx40 GIRDER No. 1
GIRDER No. X
4'-0"
3 EQ SP @ 7'-8" = 23'-0"
4'-6"

EXISTING TYPICAL SECTION
SH 5

* SEE CROSS SLOPE TRANSITION DATA TABLE FOR PAVEMENT CROSS SLOPE

FROM STA 370+04.35 TO 372+44.35
NTS

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-23	396+95.60	2,548,747.13	7,145,413.42	2,864.79'	20° 25' 41.98" RT	1,021.42'	516.19'	391+79.42	402+00.83
℄ SH5	CLSH5-24	415+78.42	2,550,130.38	7,146,706.86	2,864.79'	3° 46' 19.01" LT	188.60'	94.33'	414+84.09	416+72.68

COLOR LEGEND

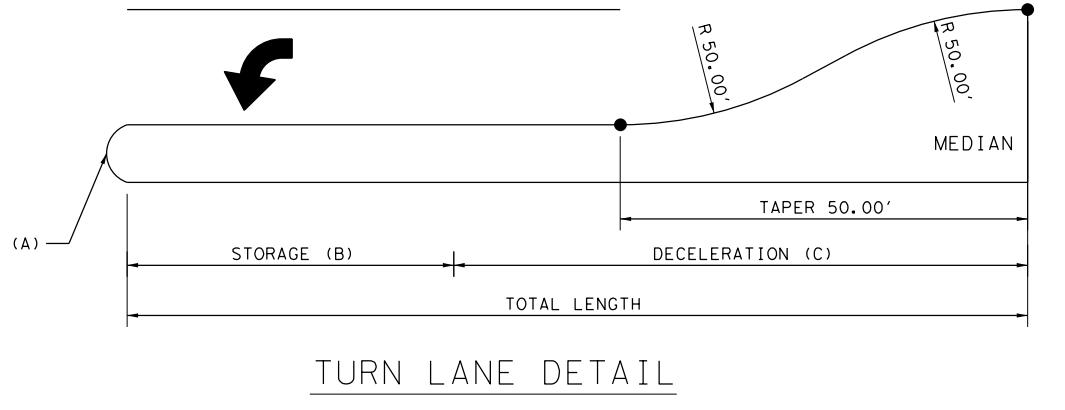
🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
🟦	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—	CENTERLINE (MAINLANE)
—·—	PROPOSED ROW
—··—	CITY LIMITS
—·—	EXISTING ROW
—	PROPERTY LINES
—	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
▲▲▲	PROPOSED RETAINING WALL
←	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
·OT·OT·OT·	OVERHEAD TELEPHONE UTIL
·OP·OP·OP·	OVERHEAD ELECTRIC UTIL
·OC·OC·OC·	OVERHEAD CABLE UTIL
·T·T·T·T·	BURIED TELEPHONE UTIL
·P·P·P·P·	BURIED ELECTRIC UTIL
·C·C·C·C·	BURIED CABLE UTIL
·W·W·W·W·	BURIED WATER UTIL
·WW·WW·WW·	BURIED SEWER UTIL
·G·G·G·G·	BURIED GAS/OIL UTIL
- - - -	BURIED SOLID WASTE LINE
(XXXXX-XX)	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
╪	EXISTING DRAINAGE STRUCTURES
╪	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

CSJ 0047-05-054 MATCH LINE STA 369+00
14'
12'
42'
370+00

PRELIMINARY - SUBJECT TO CHANGE

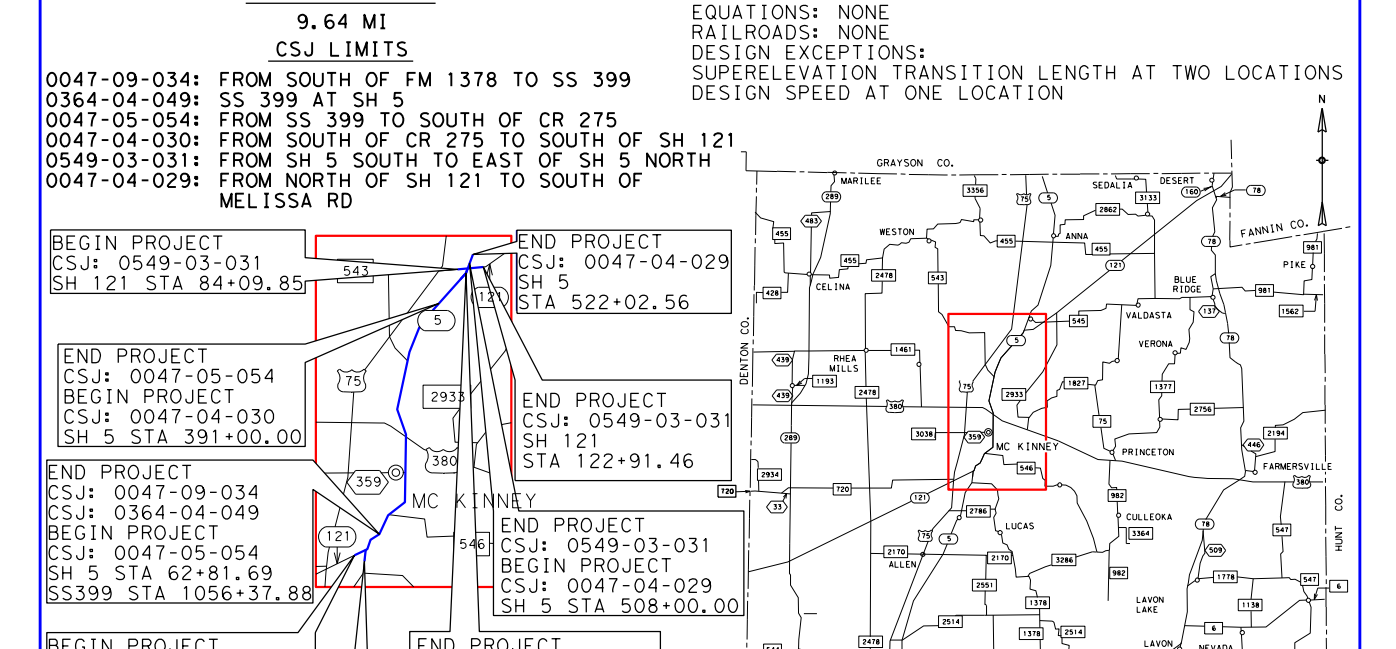

R 50.00'
MEDIAN
TAPER 50.00'
SEPARATOR (A)
STORAGE (B)
DECELERATION (C)
TOTAL LENGTH

TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
LACORE LN	388+65.22	4	100	275	375	L	NB
CNTY RD 278	N/A	N/A	90	160	250	R	NB
PRIVATE DRIVEWAY	397+73.41	4	100	275	375	L	NB
WILLOW WOOD CONNECTION	398+90.72	4	100	275	375	L	SB

Texas Department of Transportation
DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
LOCATION MAP: NTS
PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018
PUBLIC MEETING
NOVEMBER 27, 2018
Michael Baker INTERNATIONAL
1501 LBJ Freeway, Suite 650, Dallas, TX 75234
TBPE Registration No. F-2677
PLAN & PROFILE
SH 5
STA 369+00 TO STA 425+00
ROLL 8 OF 12 ROLLS
S-008



Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

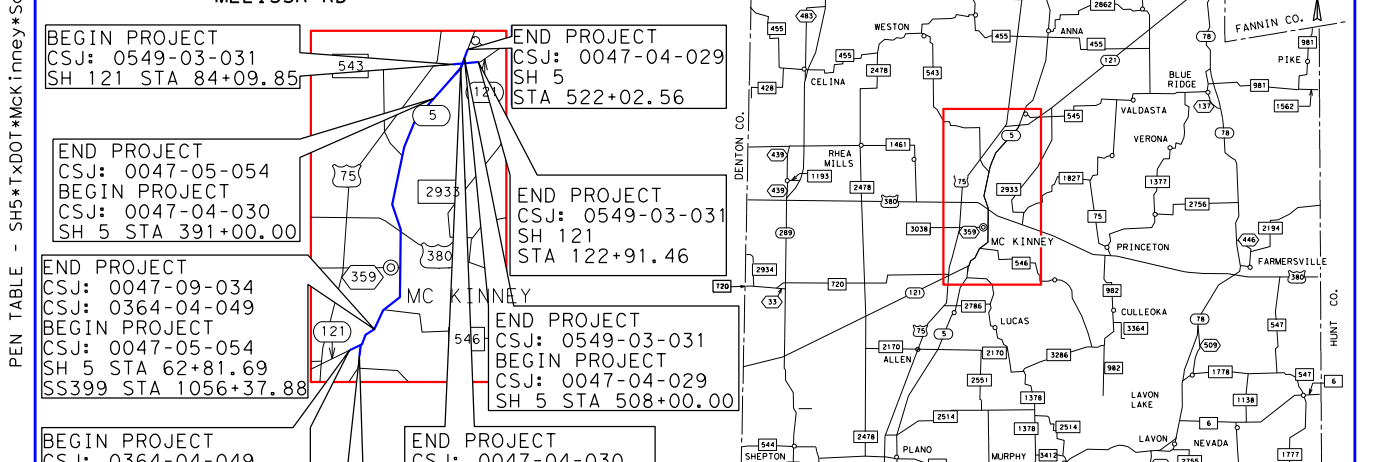
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
VERT. SCALE IN FEET 0 10 20 30 40

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
DENTON CO.
FANNIN CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
MARILEE
WESTON
CELINA
ANNA
SEDALIA
DESERT
BLUE RIDGE
PIKE
VALDASTA
VERONA
RHEA MILLS
PRINCETON
FARMERSVILLE
CULLEOKA
LUCAS
ALLEN
LAVON LAKE
LAVON
NEVADA
PLANO
MURPHY
WYLIE
SHEPTON
N

LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING,
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

INDEX OF ROLLS
- ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
- ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
- ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
- ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
- ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
- ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
- ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
- ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
- ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
- ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
- ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
- ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker
INTERNATIONAL

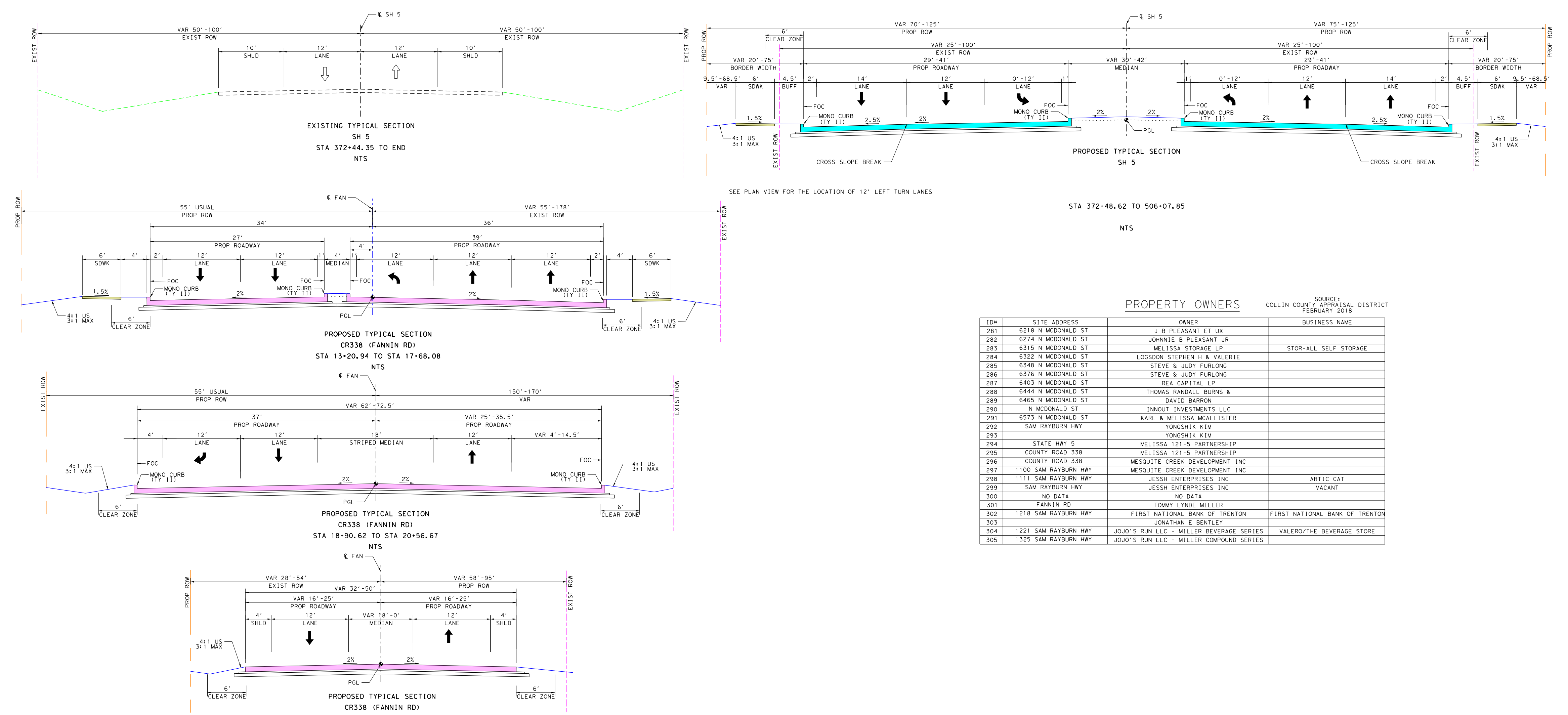
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

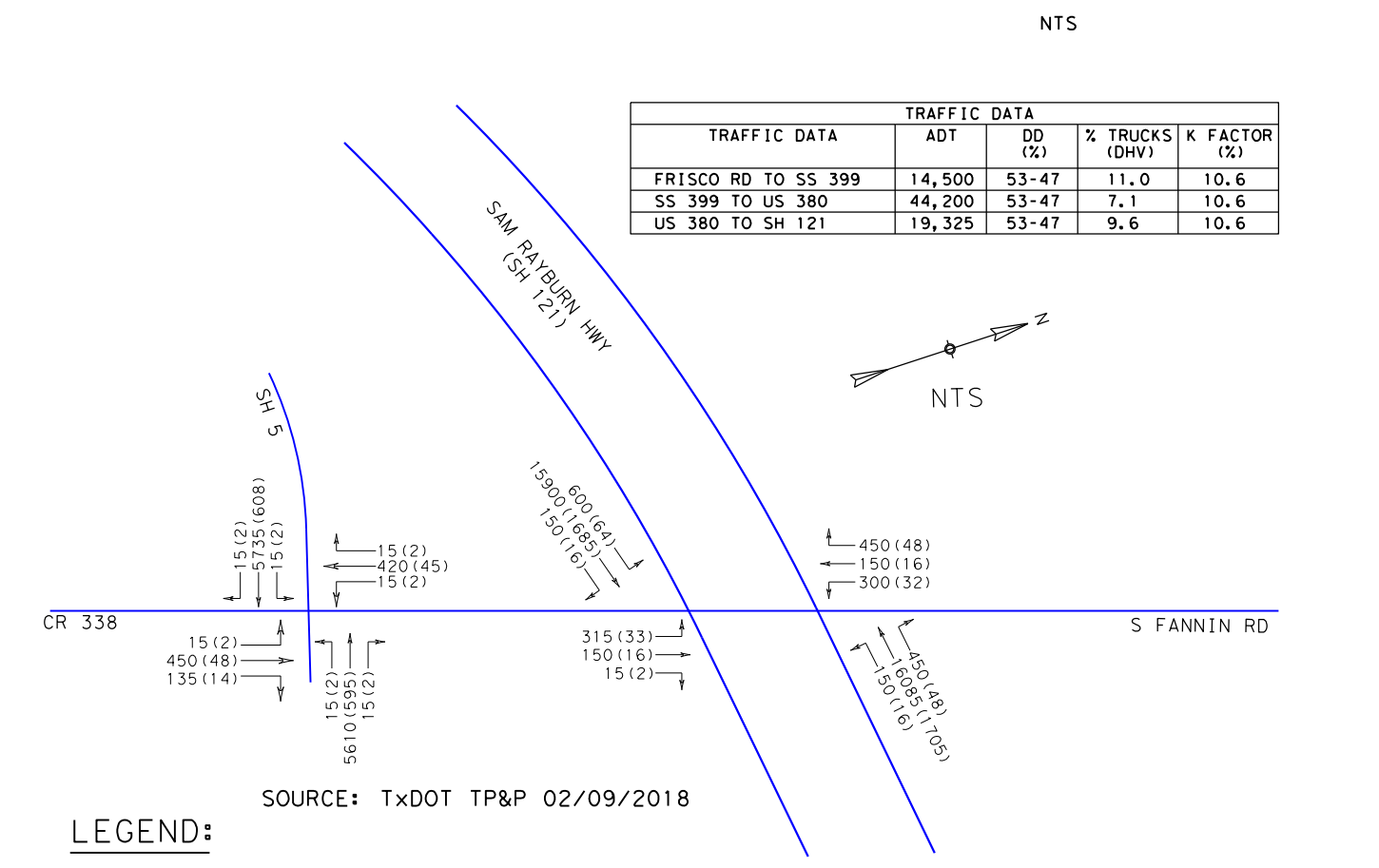
PLAN & PROFILE
SH 5
STA 425+00 TO 467+00

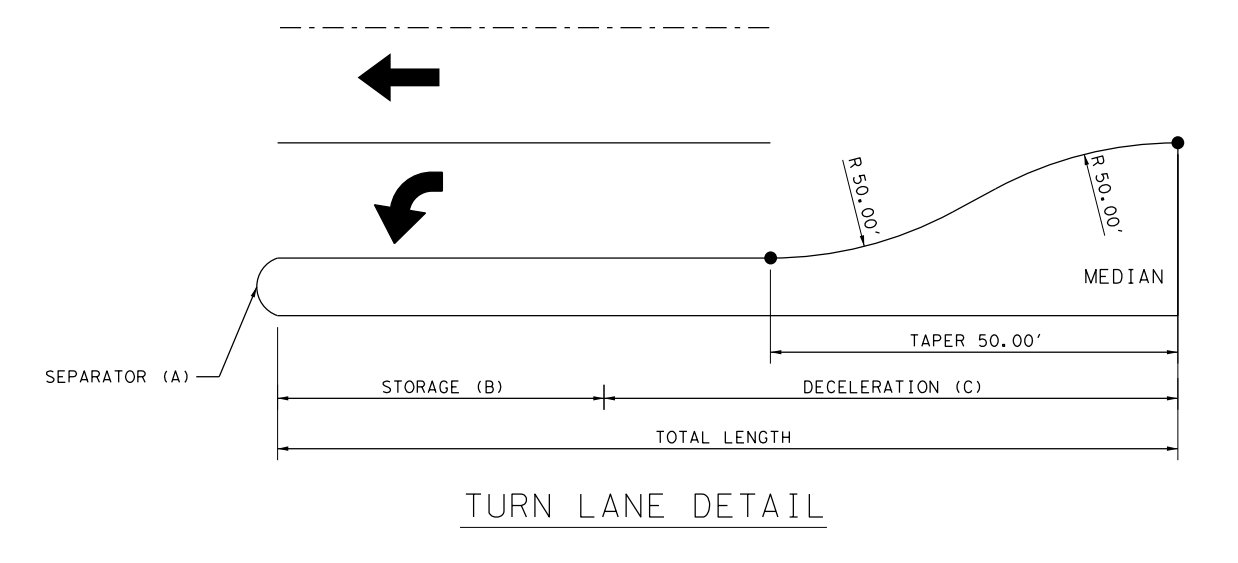
ROLL 9 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-009
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*107.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF.pltcfg
TIME: 3:48:11 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl


EXIST ROW
PROP ROW
6' SDWK
4'
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE
VAR 20'-75' BORDER WIDTH
2'
4.5' BUFF
6' SDWK
9.5'-68.5' VAR
FOC
EXISTING TYPICAL SECTION
PROPOSED TYPICAL SECTION


SH 5
CR 338
15(2)
5735(608)
15(2)
420
450(48)
135(14)
5610(595)
SOURCE: TxDOT
LEGEND:
SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOL)


S FANNIN RD
TOTAL LENGTH

TURN LANE DETAIL

TURN LANE DETAIL TABLE

CROSS STREET	MEDIAN NOSE STA	MEDIAN NOSE RADIUS (FT)	STORAGE (FT)	DECELERATION (FT)	TOTAL LENGTH (FT)	L/R	SB/NB
		(A)	(B)	(C)			
PRIVATE DRIVEWAY	428+99.32	4	100	275	375	L	NB
FANNIN RD	462+27.72	4	100	275	375	L	NB
FANNIN RD	463+37.73	4	100	275	375	L	SB

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-25	455+08.16	2,552,818.00	7,149,573.93	1,400.00'	41° 32' 42.97" RT	1,015.14'	531.05'	449+77.12	459+92.26
℄ SH5	CLSH5-26	480+03.26	2,555,349.16	7,149,808.97	800.00'	84° 08' 25.13" LT	1,174.82'	722.10'	472+81.17	484+55.99
℄ FAN	CLFAN-1	19+94.21	2,553,617.31	7,149,479.16	1,500.00'	6° 02' 25.28" RT	158.14'	79.14'	19+15.06	20+73.20

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
281	6218 N MCDONALD ST	J B PLEASANT ET UX	
282	6274 N MCDONALD ST	JOHNNIE B PLEASANT JR	
283	6315 N MCDONALD ST	MELISSA STORAGE LP	STOR-ALL SELF STORAGE
284	6322 N MCDONALD ST	LOGSDON STEPHEN H & VALERIE	
285	6348 N MCDONALD ST	STEVE & JUDY FURLONG	
286	6376 N MCDONALD ST	STEVE & JUDY FURLONG	
287	6403 N MCDONALD ST	REA CAPITAL LP	
288	6444 N MCDONALD ST	THOMAS RANDALL BURNS &	
289	6465 N MCDONALD ST	DAVID BARRON	
290	N MCDONALD ST	INNOUT INVESTMENTS LLC	
291	6573 N MCDONALD ST	KARL & MELISSA MCALLISTER	
292	SAM RAYBURN HWY	YONGSHIK KIM	
293		YONGSHIK KIM	
294	STATE HWY 5	MELISSA 121-5 PARTNERSHIP	
295	COUNTY ROAD 338	MELISSA 121-5 PARTNERSHIP	
296	COUNTY ROAD 338	MESQUITE CREEK DEVELOPMENT INC	
297	1100 SAM RAYBURN HWY	MESQUITE CREEK DEVELOPMENT INC	
298	1111 SAM RAYBURN HWY	JESSH ENTERPRISES INC	ARTIC CAT
299	SAM RAYBURN HWY	JESSH ENTERPRISES INC	VACANT
300	NO DATA	NO DATA	
301	FANNIN RD	TOMMY LYNDE MILLER	
302	1218 SAM RAYBURN HWY	FIRST NATIONAL BANK OF TRENTON	FIRST NATIONAL BANK OF TRENTON
303		JONATHAN E BENTLEY	
304	1221 SAM RAYBURN HWY	JOJO'S RUN LLC - MILLER BEVERAGE SERIES	VALERO/THE BEVERAGE STORE
305	1325 SAM RAYBURN HWY	JOJO'S RUN LLC - MILLER COMPOUND SERIES	

COLOR LEGEND

🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
🟦	100 YEAR FLOOD PLAIN
──	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—·—	CENTERLINE (MAINLANE)
- - -	PROPOSED ROW
—··—	CITY LIMITS
—·—·—	EXISTING ROW
──	PROPERTY LINES
──	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
┴┴┴┴	PROPOSED RETAINING WALL
←	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T T	BURIED TELEPHONE UTIL
P P P P	BURIED ELECTRIC UTIL
C C C C	BURIED CABLE UTIL
W W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G G	BURIED GAS/OIL UTIL
- - - -	BURIED SOLID WASTE LINE
(XXXXX-XX)	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
╫	EXISTING DRAINAGE STRUCTURES
╫	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
2. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL UNLESS OTHERWISE NOTED.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C020J (REV JUNE 7, 2017) AND 48085C0290J (REV JUNE 2, 20009) FOR WILSON CREEK, 48085C0165J (REV JUNE 2, 2009) AND 48085C0280J (REV JUNE 2, 2009) FOR EAST FORK TRINITY RIVER.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT OCTOBER 2017.
6. EXISTING CULVERT LOCATION, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS OR TOPOGRAPHIC SURVEY AND ARE SHOWN FOR INFORMATION PURPOSES ONLY.
7. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
8. FINAL DRIVEWAY LOCATIONS SHALL BE DETERMINED DURING DETAILED DESIGN IN COORDINATION WITH THE CITY OF McKINNEY.
9. ALL PRIVATE DRIVEWAYS HAVE CURB RADII OF 15FT, UNLESS OTHERWISE NOTED.
10. EXIST TOPO AND AERIAL PHOTOS PROVIDED BY TxDOT.
11. EXIST ROW SHOWN PROVIDED BY TxDOT.
12. PARCEL BOUNDARY LOCATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.
13. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
14. CURBS ON MAINLANES, FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (MONO), UNLESS OTHERWISE SHOWN.
15. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
16. ALL HORIZONTAL COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT, 2010.00 EPOCH. SURFACE DISTANCES AND COORDINATES MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.000152710.
17. ALL COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.
18. VERTICAL VALUES WERE DETERMINED BY THE TxDOT REAL TIME GPS NETWORK (RTN) (NAD 83 (2011, MA11, PA11) EPOCH 2010.00) WITH THE GEOID12A APPLIED.

N
CSJ 0047-04-030 MATCH LINE STA 425+00

PRELIMINARY - SUBJECT TO CHANGE

Texas Department of Transportation
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DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PRELIMINARY
PUBLIC MEETING
NOVEMBER 27, 2018
Michael Baker INTERNATIONAL
1501 LBJ Freeway, Suite 650, Dallas, TX 75234
TBPE Registration No. F-2677
PLAN & PROFILE
SH 5
STA 425+00 TO 467+00
ROLL 9 OF 12 ROLLS
S-009

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

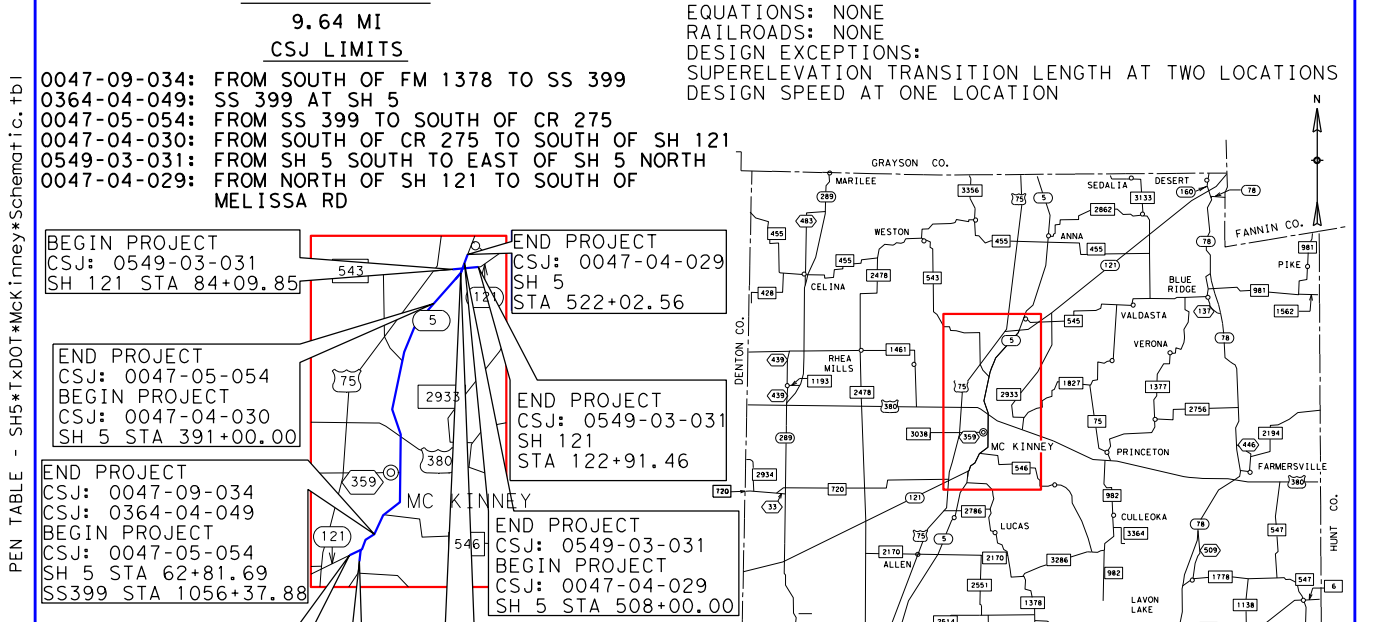
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET 0 50 100 150 200
0 10 20 30 40 VERT. SCALE IN FEET

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT CSJ: 0549-03-031 SH 121 STA 84+09.85
END PROJECT CSJ: 0047-05-054 BEGIN PROJECT CSJ: 0047-04-030 SH 5 STA 391+00.00
END PROJECT CSJ: 0047-09-034 CSJ: 0364-04-049 BEGIN PROJECT CSJ: 0047-05-054 SH 5 STA 62+81.69 SS399 STA 1056+37.88
BEGIN PROJECT CSJ: 0364-04-049 SS399 STA 1025+05.98
BEGIN PROJECT CSJ: 0047-09-034 SH 5 STA 12+20.00
END PROJECT CSJ: 0047-04-030 BEGIN PROJECT CSJ: 0549-03-031 SH 5 STA 486+00.00
END PROJECT CSJ: 0549-03-031 BEGIN PROJECT CSJ: 0047-04-029 SH 5 STA 508+00.00
END PROJECT CSJ: 0549-03-031 SH 121 STA 122+91.46
END PROJECT CSJ: 0047-04-029 SH 5 STA 522+02.56
MC KINNEY
GRAYSON CO.
DENTON CO.
DALLAS CO.
ROCKWALL CO.
HUNT CO.
FANNIN CO.
CELINA
WESTON
ANNA
MELISSA
PRINCETON
ALLEN
PLANO
LUCAS
WYLIE
MURPHY
FARMERSVILLE
N

LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING, OR CONSTRUCTION.
Prepared by or under the Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

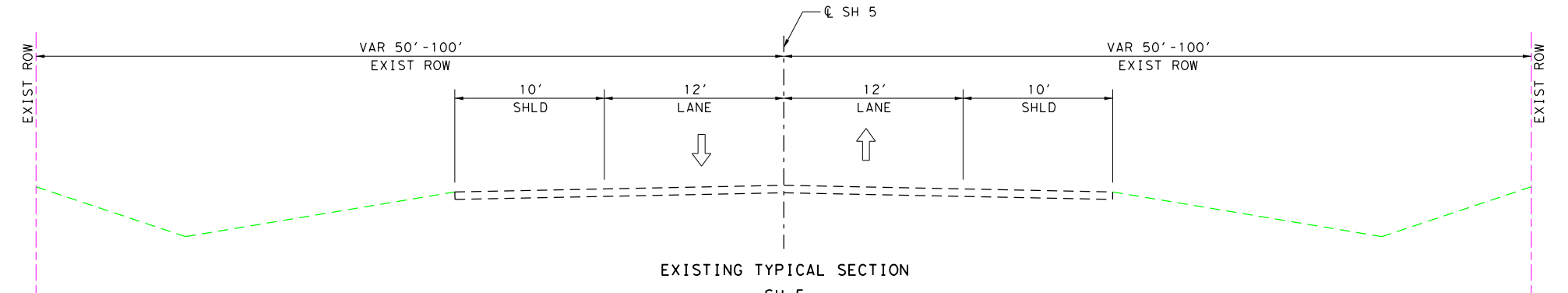
Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

PLAN & PROFILE
SH 5
STA 467+00 TO END PROJ

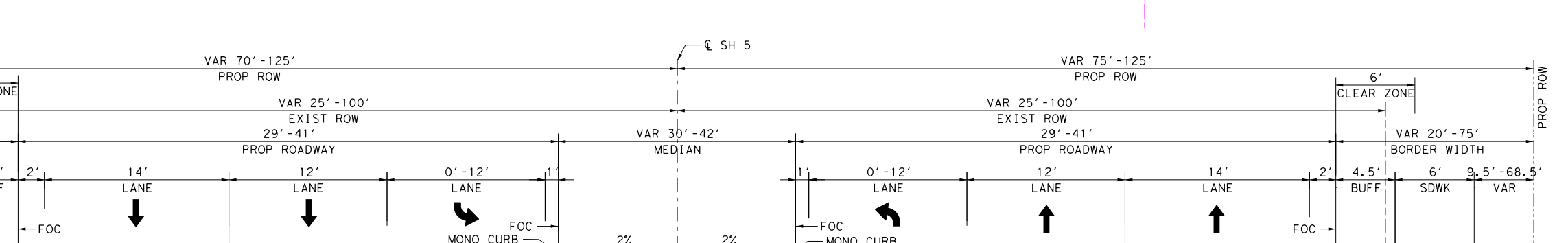
ROLL 10 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-010
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*108.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF.pltcfg
TIME: 4:00:54 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl


℄ SH 5
VAR 50'-100' EXIST ROW
VAR 50'-100' EXIST ROW
10' SHLD
12' LANE
12' LANE
10' SHLD
EXIST ROW
EXIST ROW

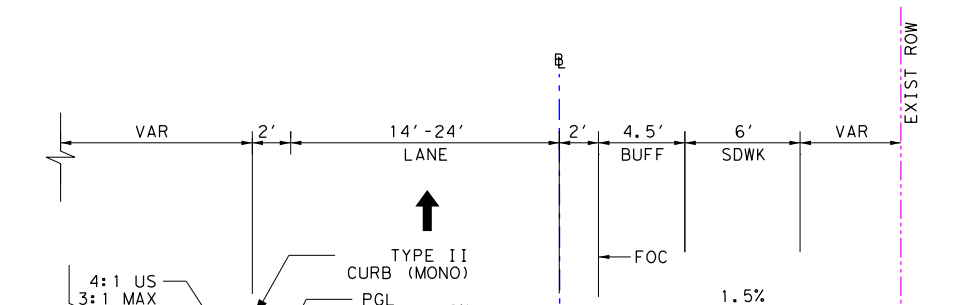
EXISTING TYPICAL SECTION
SH 5
STA 372+44.35 TO END
NTS


℄ SH 5
VAR 70'-125' PROP ROW
VAR 75'-125' PROP ROW
6' CLEAR ZONE
VAR 25'-100' EXIST ROW
VAR 20'-75' BORDER WIDTH
29'-41' PROP ROADWAY
VAR 30'-42' MEDIAN
9.5'-68.5' VAR
6' SDWK
4.5' BUFF
2'
14' LANE
12' LANE
0'-12' LANE
1'
FOC
MONO CURB (TY II)
2.5%
2%
1.5%
4:1 US 3:1 MAX
EXIST ROW
PROP ROW
CROSS SLOPE BREAK
PGL

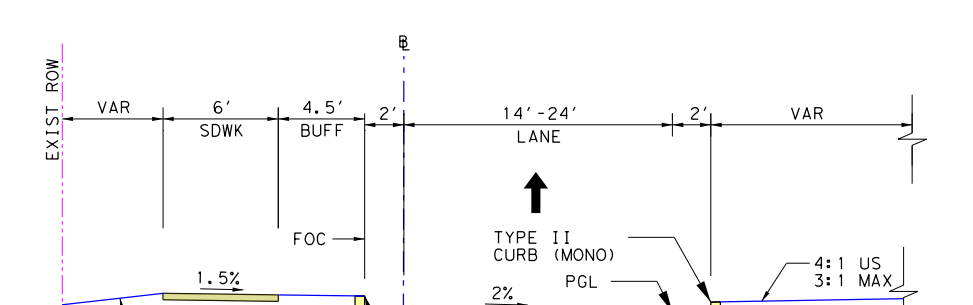
PROPOSED TYPICAL SECTION
SH 5

SEE PLAN VIEW FOR THE LOCATION OF 12' LEFT TURN LANES

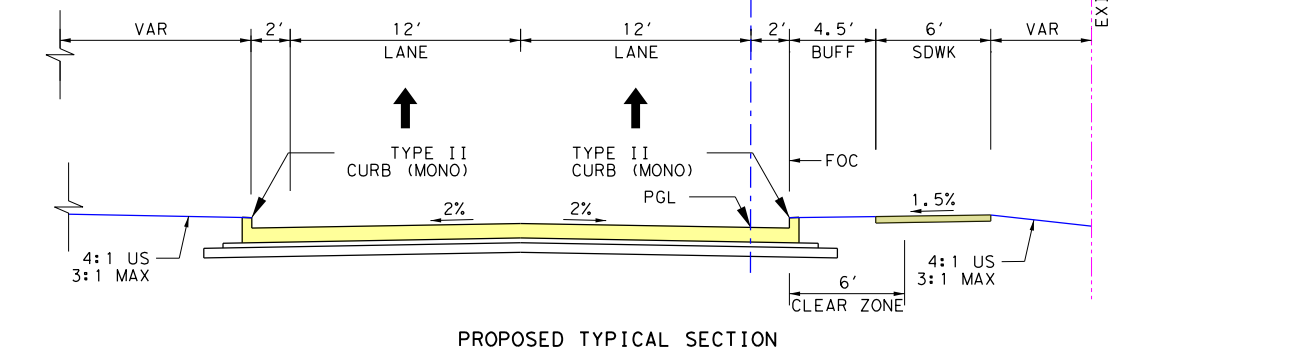
STA 372+48.62 TO 506+07.85
STA 495+69.20 TO END PROJ
NTS


℄
VAR
2'
14'-24' LANE
4.5' BUFF
6' SDWK
EXIST ROW
TYPE II CURB (MONO)
PGL
FOC
2%
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE

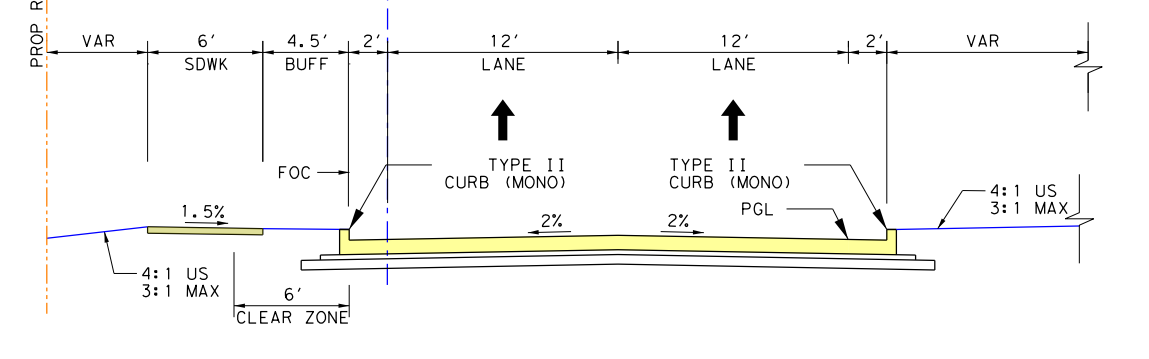
PROPOSED TYPICAL SECTION
RAMP
R21NB5SB STA 13+26.11 TO 15+75.59
R5NB21NB STA 14+71.61 TO 19+96.82
NTS


℄
EXIST ROW
VAR
6' SDWK
4.5' BUFF
2'
14'-24' LANE
FOC
TYPE II CURB (MONO)
PGL
2%
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE

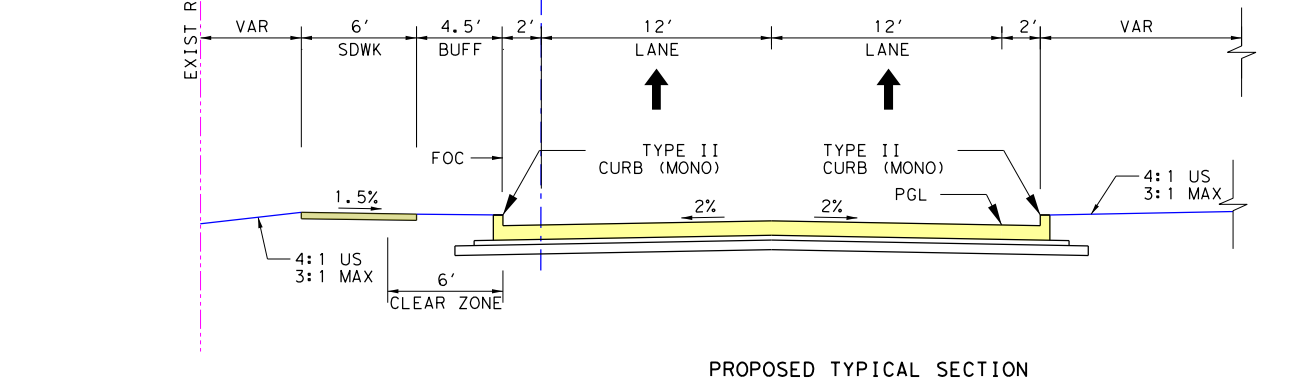
PROPOSED TYPICAL SECTION
RAMP
R5SB21SB STA 12+22.82 TO 18+65.57
R21SB5NB STA 17+55.75 TO 21+76.54
NTS


℄
VAR
2'
12' LANE
12' LANE
4.5' BUFF
6' SDWK
EXIST ROW
TYPE II CURB (MONO)
PGL
FOC
2%
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE

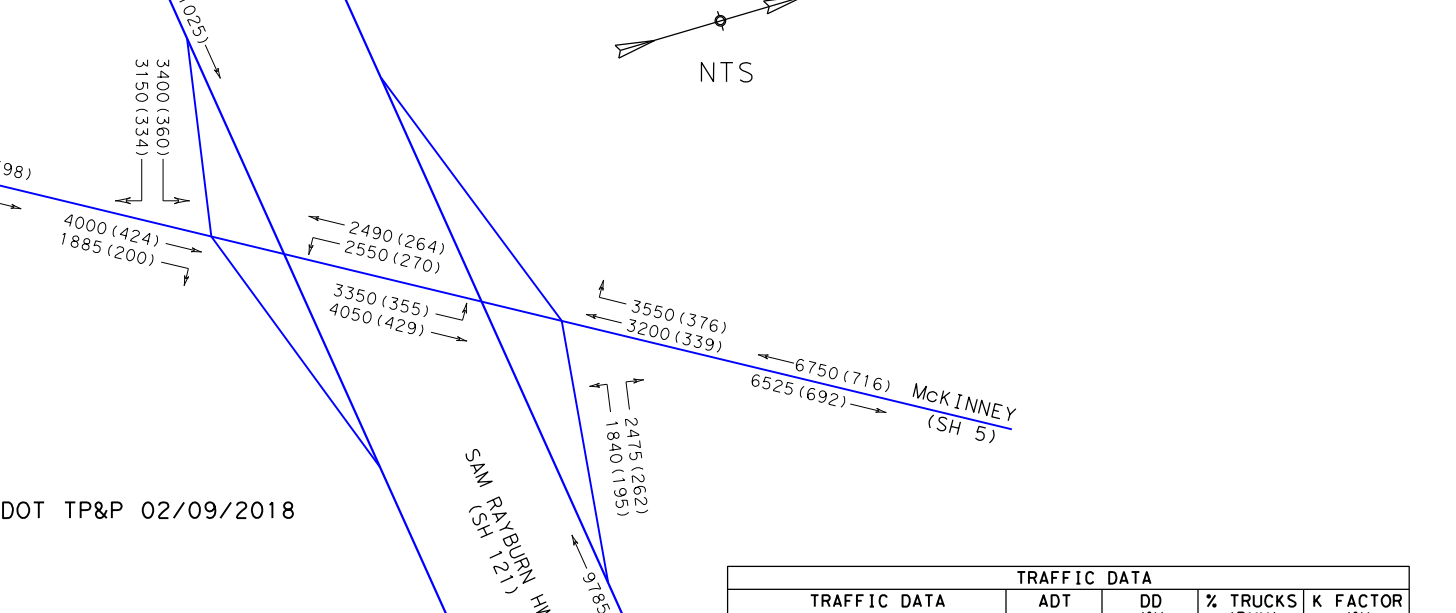
PROPOSED TYPICAL SECTION
RAMP
R21NB5SB STA 15+75.59 TO 23+02.05
R5NB21NB STA 11+10.53 TO 14+71.61
NTS


PROP ROW
℄
VAR
6' SDWK
4.5' BUFF
2'
12' LANE
12' LANE
FOC
TYPE II CURB (MONO)
PGL
2%
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE

PROPOSED TYPICAL SECTION
RAMP
R5SB21SB STA 18+65.57 TO 21+94.44
NTS


EXIST ROW
℄
VAR
6' SDWK
4.5' BUFF
2'
12' LANE
12' LANE
FOC
TYPE II CURB (MONO)
PGL
2%
1.5%
4:1 US 3:1 MAX
6' CLEAR ZONE

PROPOSED TYPICAL SECTION
RAMP
R21SB5NB STA 10+78.64 TO 17+55.75
NTS


McKINNEY (SH 5)
5640(598)
5885(624)
9665(1025)
3400(360)
3150(334)
4000(424)
1885(200)
2490(264)
2550(270)
3350(355)
4050(429)
3550(376)
3200(339)
6750(716)
6525(692)
McKINNEY (SH 5)
2475(262)
1840(195)
9785(1038)
SAM RAYBURN HWY (SH 121)
NTS

SOURCE: TxDOT TP&P 02/09/2018

LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)

TRAFFIC DATA				
TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH5	CLSH5-26	480+03.26	2,555,349.16	7,149,808.97	800.00'	84° 08' 25.13" LT	1,174.82'	722.10'	472+81.17	484+55.99
℄ SH5	CLSH5-27	506+89.47	2,555,377.77	7,152,764.41	1,400.00'	25° 02' 49.59" RT	612.02'	310.98'	503+78.50	509+90.51
℄ R21NB5SB	BLR21NB5SB-1	11+87.95	2,554,419.91	7,150,997.53	3,800.00'	5° 39' 47.20" RT	375.59'	187.95'	10+00.00	13+75.59
℄ R21NB5SB	BLR21NB5SB-2	19+40.69	2,555,052.48	7,151,406.09	1,200.00'	11° 35' 17.01" LT	242.70'	121.77'	18+18.92	20+61.62
℄ R5NB21NB	BLR5NB21NB-1	14+14.18	2,555,663.14	7,151,988.23	1,210.00'	6° 52' 55.95" LT	145.34'	72.76'	13+41.42	14+86.76
℄ R5NB21NB	BLR5NB21NB-2	20+06.12	2,556,013.21	7,152,465.57	1,500.00'	13° 08' 33.93" RT	344.08'	172.80'	18+33.32	21+77.40
℄ R5SB21SB	BLR5SB21SB-1	12+19.37	2,554,749.19	7,151,444.61	1,500.00'	16° 38' 27.17" LT	435.66'	219.37'	10+00.00	14+35.66
℄ R5SB21SB	BLR5SB21SB-2	17+37.88	2,555,006.14	7,151,898.43	1,135.15'	6° 48' 05.98" RT	134.76'	67.46'	16+70.42	18+05.18
℄ R5SB21SB	BLR5SB21SB-3	18+86.03	2,555,093.77	7,152,018.05	1,109.84'	8° 20' 02.15" RT	161.43'	80.86'	18+05.18	19+66.61
℄ R21SB5NB	BLR21SB5NB-1	15+42.40	2,555,763.57	7,152,651.57	1,200.00'	21° 11' 41.64" RT	443.90'	224.52'	13+17.88	17+61.79
℄ R21SB5NB	BLR21SB5NB-2	21+84.48	2,556,360.42	7,152,901.86	2,000.00'	14° 19' 43.19" LT	500.16'	251.39'	19+33.09	24+33.25

COLOR LEGEND

🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟩	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
🟦	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—·—	CENTERLINE (MAINLANE)
—·—·—	PROPOSED ROW
—··—	CITY LIMITS
—·—·—	EXISTING ROW
—	PROPERTY LINES
—	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
▲▲▲	PROPOSED RETAINING WALL
←	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T T	BURIED TELEPHONE UTIL
P P P P	BURIED ELECTRIC UTIL
C C C C	BURIED CABLE UTIL
W W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G G	BURIED GAS/OIL UTIL
- - - - -	BURIED SOLID WASTE LINE
XXXXX-XX	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
╪	EXISTING DRAINAGE STRUCTURES
╪	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

NOTES:

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB, RAIL, UNLESS OTHERWISE NOTED.
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CSJ 0047-04-030 MATCH LINE STA 467+00
℄ SH5
PROP ROW
14'
12'
42'
515+00
520+00
316
SH 5
END PROJECT
END CSJ: 0047-04-029
℄ SH5 STA 522+02.56
MATCH DESIGN BY OTHERS
MATCH CSJ: 0047-04-022
720
710
700
690
680
670
660
650
640
630
620
PROPOSED
EXISTING
662.89
664.5

PRELIMINARY - SUBJECT TO CHANGE

PROPERTY OWNERS

SOURCE:
COLLIN COUNTY APPRAISAL DISTRICT
FEBRUARY 2018

ID#	SITE ADDRESS	OWNER	BUSINESS NAME
306	SAM RAYBURN HWY	CRAFT LIVING TRUST	
307	SAM RAYBURN HWY	NNRM LLC	
308	COUNTY ROAD 339	JOJO'S RUN LLC - MILLER HOME SERIES	
309	1421 MCKINNEY ST	RONALD CHARLES MEDCALF ETAL	
310	1521 MCKINNEY ST	TALLENT PROPERTIES LLC - MELISSA STRIP CENTER SERIES	TALLENT STRIP CENTER
311	1717 MCKINNEY ST	MELISSA ASSOCIATES LLC	ABC SUPPLY CO
312	1705 MCKINNEY ST	CCCC PARTNERS LTD	
313		EINOLLAH ETAL KHODABAKHSH	
314		MICHAEL E & MCGUIRE	
315	2025 MCKINNEY ST	MELISSA 121/5 PARTNERS LTD	MONDON APPALOOSAS
316		KC MELISSA REALTY LTD	

COLOR LEGEND
PROPOSED MAINLANES
PROPOSED BRIDGE
PROPOSED DRIVEWAY
PROPOSED CROSS STREET
PROPOSED DIRECT CONNECTOR
PROPOSED SIDEWALK
PROPOSED RAMP
PROPOSED PAVED MEDIAN
PROPOSED NON-PAVED MEDIAN
100 YEAR FLOOD PLAIN
EXISTING PAVEMENT (BY OTHERS)
EXISTING PAVEMENT TO BE REMOVED
POTENTIAL STRUCTURE DISPLACEMENT
CENTERLINE/BASELINE (CROSS STREETS)
CENTERLINE (MAINLANE)
PROPOSED ROW
CITY LIMITS
EXISTING ROW
PROPERTY LINES
FEMA FLOODPLAIN BOUNDARY
CONTROL OF ACCESS
PROPOSED RETAINING WALL
PROPOSED TRAFFIC FLOW
EXISTING TRAFFIC FLOW
OVERHEAD TELEPHONE UTIL
OVERHEAD ELECTRIC UTIL
OVERHEAD CABLE UTIL
BURIED TELEPHONE UTIL
BURIED ELECTRIC UTIL
BURIED CABLE UTIL
BURIED WATER UTIL
BURIED SEWER UTIL
BURIED GAS/OIL UTIL
BURIED SOLID WASTE LINE
HORIZONTAL CURVE NAME
PROPERTY ID NUMBER
EXISTING DRAINAGE STRUCTURES
PROPOSED DRAINAGE STRUCTURES
PROPOSED SIGNALIZED INTERSECTION

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Texas Department of Transportation
DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
PROJECT LENGTH 9.64 MI
PUBLIC MEETING NOVEMBER 27, 2018
Michael Baker INTERNATIONAL 1501 LBJ Freeway, Suite 650, Dallas, TX 75234 TBPE Registration No. F-2677
PLAN & PROFILE
SH 5
STA 467+00 TO END PROJ
ROLL 10 OF 12 ROLLS
S-010

Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

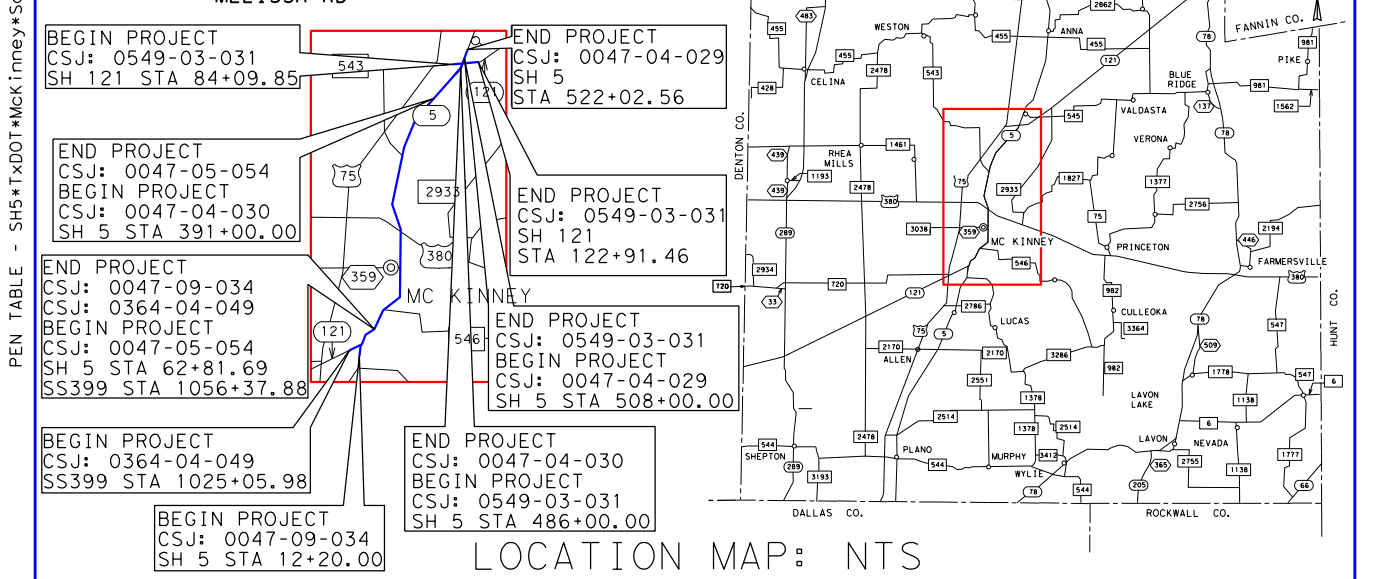
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

HORIZ. SCALE IN FEET
0 50 100 150 200
0 10 20 30 40
VERT. SCALE IN FEET

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION



LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING,
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

PUBLIC MEETING
NOVEMBER 27, 2018

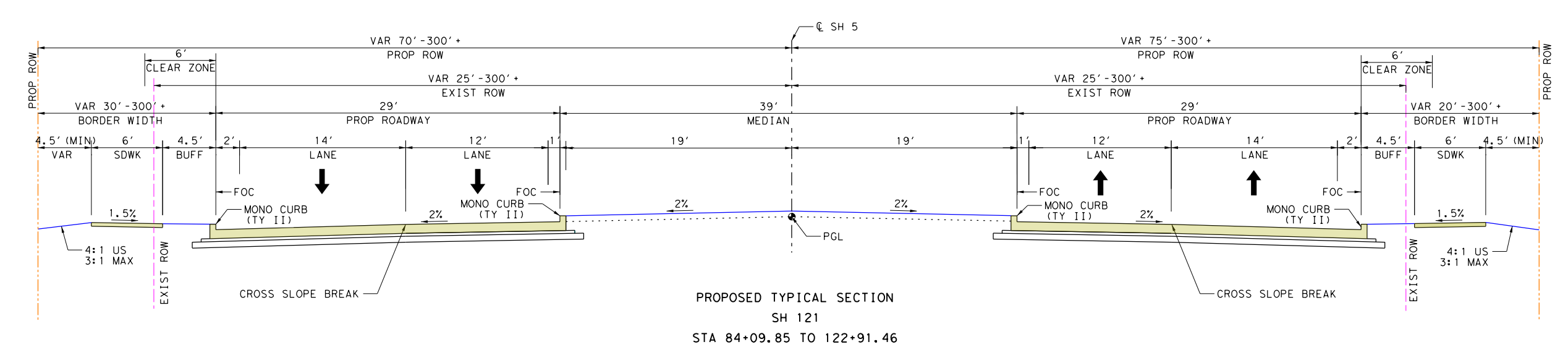
INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

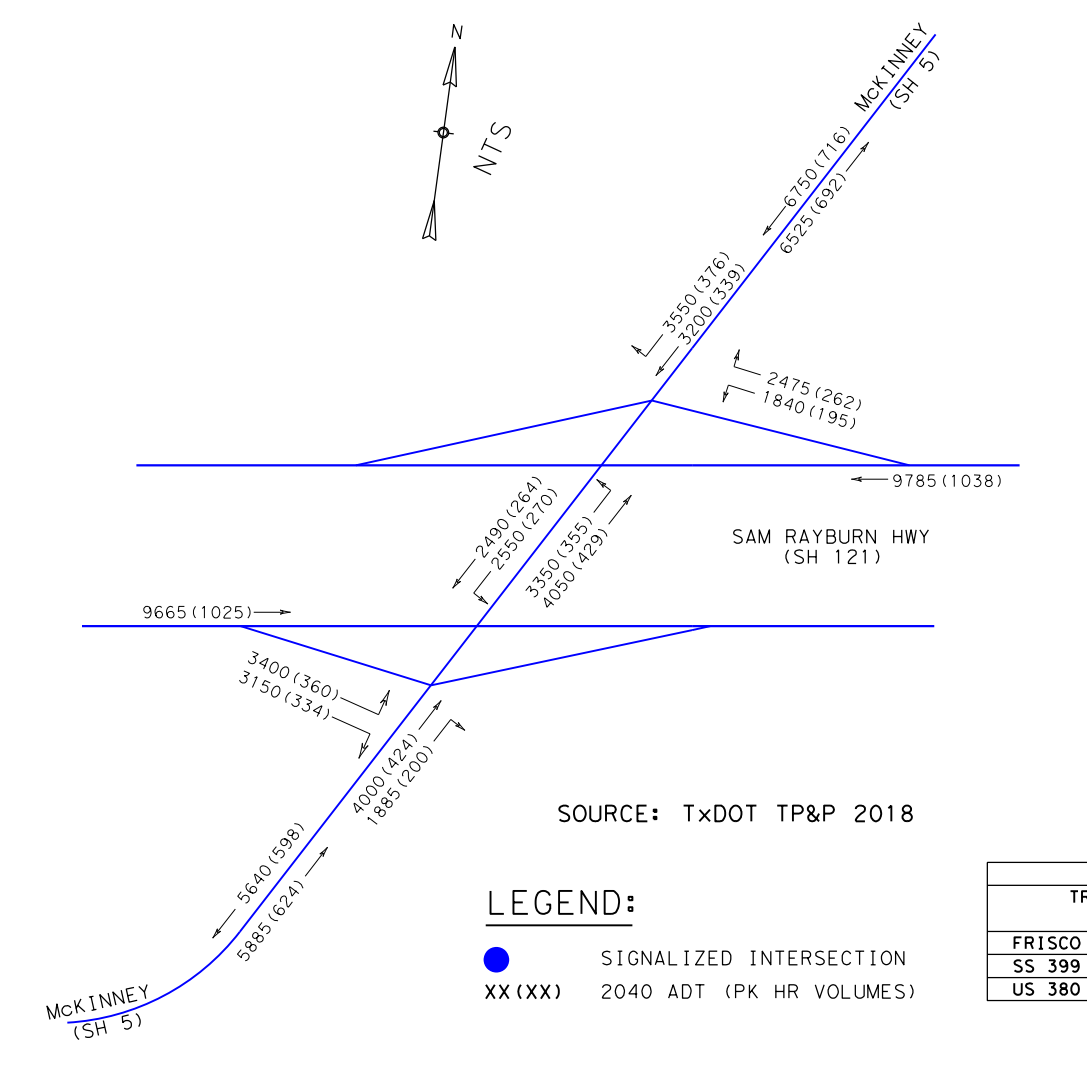
PLAN & PROFILE
SH 121
STA 75+00 TO STA 122+91
ROLL 11 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-011
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

DATE: 11/27/2018
FILE: ...\MBaker\5PP00*109*SH121.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF.pltcfg
TIME: 4:05:56 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl



PROPOSED TYPICAL SECTION
SH 121
STA 84+09.85 TO 122+91.46
NTS



SOURCE: TxDOT TP&P 2018

LEGEND:
● SIGNALIZED INTERSECTION
XX(XX) 2040 ADT (PK HR VOLUMES)

TRAFFIC DATA

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

HORIZONTAL ALIGNMENT DATA

CHAIN NAME	CURVE NAME	P.I. STATION	P.I. EASTING	P.I. NORTHING	RADIUS	DELTA	LENGTH	TANGENT	P.C. STATION	P.T. STATION
℄ SH121	CLSH121-1	71+14.04	2,552,653.56	7,149,659.95	3,818.59'	32° 31' 42.01" LT	2,167.92'	1,114.04'	60+00.00	81+67.92
℄ SH121	CLSH121-2	94+46.22	2,554,530.14	7,151,143.79	6,000.00'	7° 20' 21.91" LT	768.58'	384.82'	90+61.41	98+29.99
℄ SH121	CLSH121-3	106+55.55	2,555,375.89	7,152,009.66	5,000.00'	5° 46' 35.03" RT	504.09'	252.26'	104+03.29	109+07.38
℄ SH121	CLSH121-4	121+36.13	2,556,512.12	7,152,959.59	5,000.00'	3° 33' 39.92" RT	310.76'	155.43'	119+80.70	122+91.46

COLOR LEGEND

🟦	PROPOSED MAINLANES
🟧	PROPOSED BRIDGE
⬜	PROPOSED DRIVEWAY
🟪	PROPOSED CROSS STREET
🟨	PROPOSED DIRECT CONNECTOR
🟨	PROPOSED SIDEWALK
🟫	PROPOSED RAMP
🟦	PROPOSED PAVED MEDIAN
🟩	PROPOSED NON-PAVED MEDIAN
⬜	100 YEAR FLOOD PLAIN
—	EXISTING PAVEMENT (BY OTHERS)
▨	EXISTING PAVEMENT TO BE REMOVED
☒	POTENTIAL STRUCTURE DISPLACEMENT
—·—·—	CENTERLINE/BASELINE (CROSS STREETS)
—·—·—	CENTERLINE (MAINLANE)
— - — -	PROPOSED ROW
—··—··—	CITY LIMITS
— - — -	EXISTING ROW
—	PROPERTY LINES
—	FEMA FLOODPLAIN BOUNDARY
—‖—	CONTROL OF ACCESS
▲▲▲	PROPOSED RETAINING WALL
⬅	PROPOSED TRAFFIC FLOW
⇦	EXISTING TRAFFIC FLOW
OT OT OT	OVERHEAD TELEPHONE UTIL
OP OP OP	OVERHEAD ELECTRIC UTIL
OC OC OC	OVERHEAD CABLE UTIL
T T T T	BURIED TELEPHONE UTIL
P P P P	BURIED ELECTRIC UTIL
C C C C	BURIED CABLE UTIL
W W W W	BURIED WATER UTIL
WW WW WW	BURIED SEWER UTIL
G G G G	BURIED GAS/OIL UTIL
- - - - - - -	BURIED SOLID WASTE LINE
XXXXX-XX	HORIZONTAL CURVE NAME
XXX	PROPERTY ID NUMBER
⊨	EXISTING DRAINAGE STRUCTURES
⊨	PROPOSED DRAINAGE STRUCTURES
🚦	PROPOSED SIGNALIZED INTERSECTION

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PRELIMINARY - SUBJECT TO CHANGE

COLOR LEGEND
PROPOSED MAINLANES
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PROPOSED DRIVEWAY
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PROPOSED DIRECT CONNECTOR
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Texas Department of Transportation
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DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
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URBAN PRINCIPAL ARTERIAL: SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
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URBAN COLLECTOR: FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR: SS 195 (WESTON RD)
URBAN/RURAL LOCAL: ALL OTHER STREETS
DESIGN SPEED
60 MPH: SS 399 MAINLANE
45 MPH: SH 121 MAINLANE
40 MPH: SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH: ALL OTHER STREETS
HORIZ. SCALE IN FEET: 1" = 100'
0 50 100 150 200
0 10 20 30 40
VERT. SCALE IN FEET: 1" = 20'
PROJECT LENGTH
9.64 MI
CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
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0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD
BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
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DESIGN SPEED AT ONE LOCATION
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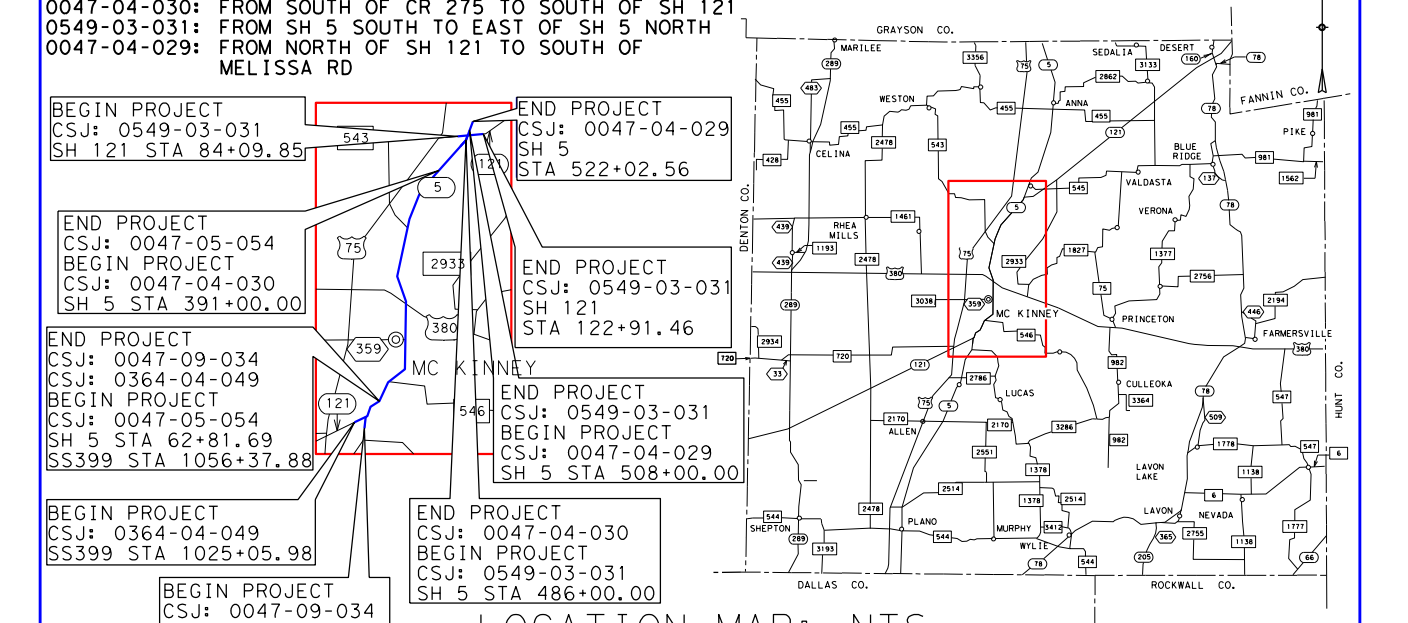
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
ROLL 2 OF 12 PLAN & PROFILE SH 5 STA 52+99 TO STA 70+00
ROLL 3 OF 12 PLAN & PROFILE SH 5 STA 95+00 TO STA 150+00
ROLL 4 OF 12 PLAN & PROFILE SH 5 STA 150+00 TO STA 205+00
ROLL 5 OF 12 PLAN & PROFILE SH 5 STA 205+00 TO STA 260+00
ROLL 6 OF 12 PLAN & PROFILE SH 5 STA 260+00 TO STA 316+00
ROLL 7 OF 12 PLAN & PROFILE SH 5 STA 316+00 TO STA 369+00
ROLL 8 OF 12 PLAN & PROFILE SH 5 STA 369+00 TO STA 425+00
ROLL 9 OF 12 PLAN & PROFILE SH 5 STA 425+00 TO STA 467+00
ROLL 10 OF 12 PLAN & PROFILE SH 5 STA 467+00 TO STA END PROJ
ROLL 11 OF 12 PLAN & PROFILE SH 121 STA 84+09.85 TO STA 122+91.46
ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS
Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677
PLAN & PROFILE
SH 121
STA 75+00 TO STA 122+91
ROLL 11 OF 12 ROLLS
DESIGNED BY: BAKER | FED. RD. DIV. NO.: 6 | FEDERAL AID PROJECT NO.: XX (XX) XXXX | ROLL NO.: S-011
DRAWN BY: BAKER | STATE: TEXAS | DIST.: DAL | COUNTY: COLLIN
CHECKED BY: BAKER | CONT: 0047 | SEC: 05 | JOB: 054, etc. | HIGHWAY NO.: SH 5
FILE: ...\MBaker\5PP00*109*SH121.dgn



Texas Department of Transportation

DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC SH 5

FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD

FUNCTIONAL CLASSIFICATIONS	
URBAN PRINCIPAL ARTERIAL	SS 399 MAINLANE, SH 121 MAINLANE, SH 5 MAINLAINE, US 380 (W UNIVERSITY DR), RAMPS
URBAN MINOR ARTERIAL	FM 1378 (COUNTRY CLUB RD), FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD
URBAN COLLECTOR	FRISCO RD, STEWART RD, SS 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, E VIRGINIA ST, E LOUISIANA ST, TENNESSEE ST, N CHURCH ST, WILMETH RD, CR 338 (FANNIN RD)
RURAL MAJOR COLLECTOR	SS 195 (WESTON RD)
URBAN/RURAL LOCAL	ALL OTHER STREETS

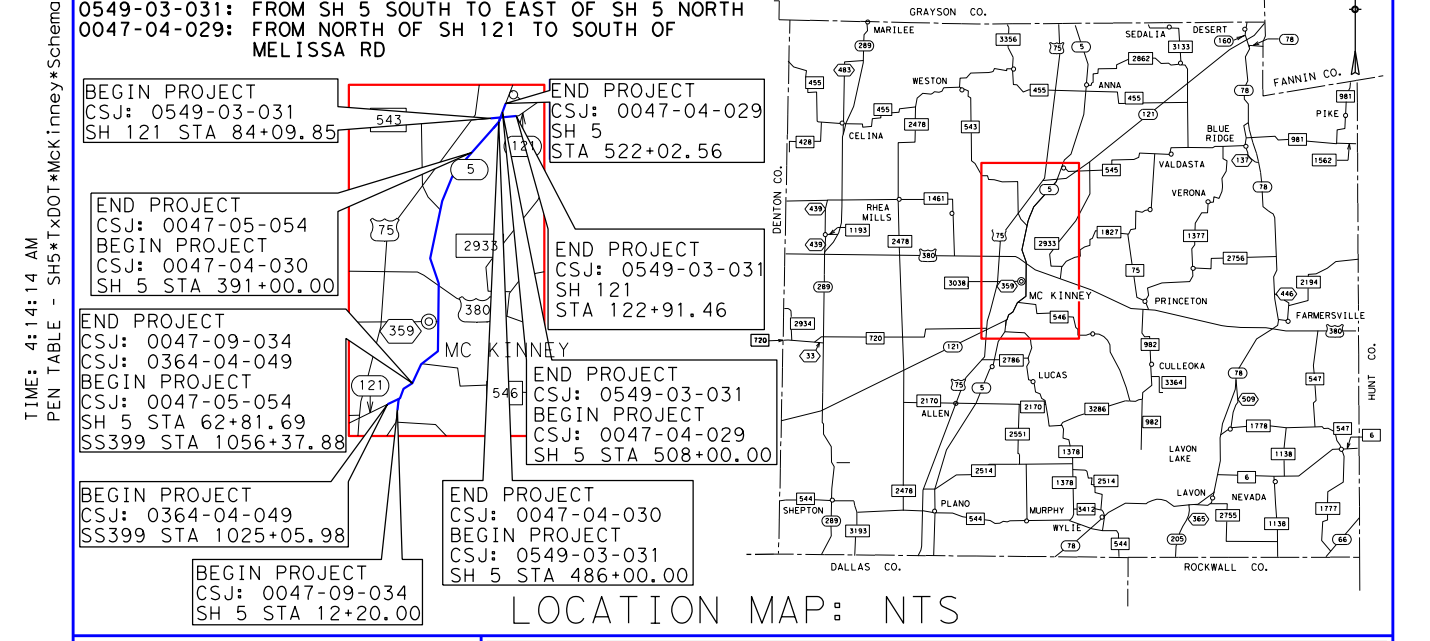
DESIGN SPEED	
60 MPH	SS 399 MAINLANE
45 MPH	SH 121 MAINLANE
40 MPH	SH 5 MAINLAINE, RAMPS, FM 1378 (COUNTRY CLUB RD), SPUR 399 FRONTAGE ROAD, SH 5 FRONTAGE ROAD, FM 546 (OLD MILL RD), EL DORADO PKWY/INDUSTRIAL BLVD, US 380 (W UNIVERSITY DR), SS 195 (WESTON RD)
30 MPH	ALL OTHER STREETS

TRAFFIC DATA	ADT	DD (%)	% TRUCKS (DHV)	K FACTOR (%)
FRISCO RD TO SS 399	14,500	53-47	11.0	10.6
SS 399 TO US 380	44,200	53-47	7.1	10.6
US 380 TO SH 121	19,325	53-47	9.6	10.6

PROJECT LENGTH
9.64 MI

CSJ LIMITS
0047-09-034: FROM SOUTH OF FM 1378 TO SS 399
0364-04-049: SS 399 AT SH 5
0047-05-054: FROM SS 399 TO SOUTH OF CR 275
0047-04-030: FROM SOUTH OF CR 275 TO SOUTH OF SH 121
0549-03-031: FROM SH 5 SOUTH TO EAST OF SH 5 NORTH
0047-04-029: FROM NORTH OF SH 121 TO SOUTH OF MELISSA RD

BASIS OF DESIGN: TxDOT ROADWAY DESIGN MANUAL 2014
EQUATIONS: NONE
RAILROADS: NONE
DESIGN EXCEPTIONS:
SUPERELEVATION TRANSITION LENGTH AT TWO LOCATIONS
DESIGN SPEED AT ONE LOCATION


BEGIN PROJECT
CSJ: 0549-03-031
SH 121 STA 84+09.85
END PROJECT
CSJ: 0047-04-029
SH 5
STA 522+02.56
END PROJECT
CSJ: 0047-05-054
BEGIN PROJECT
CSJ: 0047-04-030
SH 5 STA 391+00.00
END PROJECT
CSJ: 0549-03-031
SH 121
STA 122+91.46
END PROJECT
CSJ: 0047-09-034
CSJ: 0364-04-049
BEGIN PROJECT
CSJ: 0047-05-054
SH 5 STA 62+81.69
SS399 STA 1056+37.88
END PROJECT
CSJ: 0549-03-031
BEGIN PROJECT
CSJ: 0047-04-029
SH 5 STA 508+00.00
BEGIN PROJECT
CSJ: 0364-04-049
SS399 STA 1025+05.98
END PROJECT
CSJ: 0047-04-030
BEGIN PROJECT
CSJ: 0549-03-031
SH 5 STA 486+00.00
BEGIN PROJECT
CSJ: 0047-09-034
SH 5 STA 12+20.00
MC KINNEY
GRAYSON CO.
FANNIN CO.
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
CELINA
WESTON
ANNA
MARILEE
SEDALIA
DESERT
PIKE
BLUE RIDGE
VALDASTA
VERONA
RHEA MILLS
PRINCETON
FARMERSVILLE
CULLEOKA
LUCAS
ALLEN
LAVON LAKE
LAVON
NEVADA
PLANO
MURPHY
WYLIE
SHEPTON
N

LOCATION MAP: NTS

PRELIMINARY
FOR INTERIM REVIEW ONLY.
NOT FOR PERMITTING, BIDDING,
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of
CAREN D. CHAMBERS P.E. 99772
11/27/2018

HORIZ. SCALE IN FEET
0 50 100 150 200
0 10 20 30 40
VERT. SCALE IN FEET

PUBLIC MEETING
NOVEMBER 27, 2018

INDEX OF ROLLS
ROLL 1 OF 12 PLAN & PROFILE SH 5 STA 12+20.90 TO STA 52+99 & STA 70+00 TO STA 95+00
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ROLL 12 OF 12 PROFILE RAMPS AND CROSS STREETS

Michael Baker
INTERNATIONAL
1501 LBJ Freeway,
Suite 650,
Dallas, TX 75234
TBPE Registration No. F-2677

PROFILE
RAMPS AND CROSS STREETS

ROLL 12 OF 12 ROLLS

DESIGNED BY:	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		ROLL NO.
BAKER	6	XX (XX) XXXX		S-012
DRAWN BY:	STATE	DIST.	COUNTY	
BAKER	TEXAS	DAL	COLLIN	
CHECKED BY:	CONT	SEC	JOB	HIGHWAY NO.
BAKER	0047	05	054, etc.	SH 5

TIME: 4:14:14 AM
PEN TABLE - SH5*TxDOT*McKinney*Schematic.tbl
DATE: 11/27/2018
FILE: ...\Roadway\MBaker\5PP00*110.dgn
ROLLPLOT - V8i*BAKER*WIN*CO*PDF.pltcfg

CLOLDM-OLD MILL RD (FM 546)
CLANT-ANTHONY ST
CLLOU-E LOUISIANA ST
CLVIR-E VIRGINIA ST
CLMCK-McKINNEY PKWY
CLINT-INTERCHANGE ST
CLCHU-CHURCH ST
CLIND-EL DORADO PKWY/INDUSTRIAL BLVD
CLELM-ELM ST
CLWUNI-US 380 (W UNIVERSITY DR)
CLNTEN-N TENNESSEE ST
CLWIL-WILMETH RD
CLWES-WESTON RD
CLFAN-FANNIN RD
BEGIN PROFILE
MATCH EXISTING PAVEMENT
END PROFILE
MATCH EXISTING PAVEMENT
℄ SH5 (SH 5)
PROFILE CONTROLLED BY PREVIOUS CONSTRUCTION (BY OTHERS)
MATCH PROPOSED PAVEMENT
PROPOSED
EXISTING

PRELIMINARY - SUBJECT TO CHANGE

Texas Department of Transportation
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DALLAS DISTRICT
COLLIN COUNTY
MOHAMED K. BUR, P.E.
DISTRICT ENGINEER
DESIGN SCHEMATIC SH 5
FROM: SOUTH OF FM 1378 TO: SOUTH OF MELISSA RD
LOCATION MAP: NTS
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NOVEMBER 27, 2018
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PROFILE
RAMPS AND CROSS STREETS
ROLL 12 OF 12 ROLLS
S-012