Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED BUR, P.E., DISTRICT ENGINEER

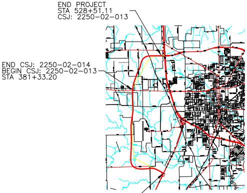
DENTON COUNTY
SL 288

PROJECT LIMIT: FROM I.H. 35W
TO I.H. 35
CONTROL: 2250–02–013
2250–02–014

FUNCTIONAL CLASS: URBAN ARTERIAL

DESIGN SPEED: 45 mph FRONTAGE ROADS
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES


END PROJECT
STA 528+51.11
CSJ: 2250–02–013
END CSJ: 2250–02–014
BEGIN CSJ: 2250–02–013
STA 381+33.20
BEGIN PROJECT
STA 101+48.93
CSJ: 2250–02–014

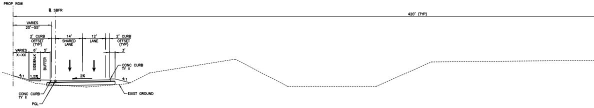
LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 11 OF 15

APPROVED SCHEMATIC NOT FOR CONSTRUCTION

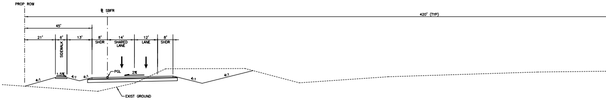
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

	DATE: MAY 2020
THOMAS COCHILL	P.E. NO. 87665


PROP ROW
℄ SBFR
420' (TYP)
VARIES
20'–55'
2' CURB
OFFSET
(TYP)
14'
SHARED
LANE
12'
LANE
2' CURB
OFFSET
(TYP)
VARIES
X–XX
6'
5'
SIDEWALK
BUFFER
3'
CONC CURB
TY II
4:1
1.5%
2%
4:1
CONC CURB
TY II
PGL
EXIST GROUND

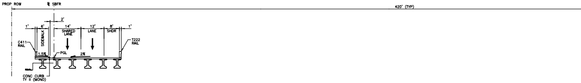
STA 3004+11.32 TO STA 3033+38.76, STA 3044+39.47 TO STA 3080+47.42,
STA 3092+33.89 TO STA 3126+67.02, STA 3153+06.20 TO STA 3163+76.30,
STA 3174+73.85 TO STA 3227+66.89, STA 3250+69.53 TO STA 3278+50.81,
STA 3290+69.06 TO STA 3318+01.71, STA 3328+36.41 TO STA 3337+42.85,
STA 3346+56.55 TO STA 3379+47.97, STA 3400+35.75 TO STA 3420+32.99

PROPOSED TYPICAL SECTION


PROP ROW
℄ SBFR
420' (TYP)
45'
21'
6'
13'
8'
SHDR
14'
SHARED
LANE
12'
LANE
8'
SHDR
SIDEWALK
PGL
1.5%
4:1
4:1
4:1
2%
4:1
4:1
4:1
EXIST GROUND

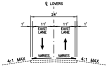
STA 3340+12.85 TO STA 3345+13.33

PROPOSED TYPICAL SECTION


PROP ROW
℄ SBFR
420' (TYP)
2'
1'
6'
14'
SHARED
LANE
12'
LANE
8'
SHDR
1'
C411
RAIL
SIDEWALK
T222
RAIL
1.5%
PGL
2%
CONC CURB
TY II (MONO)

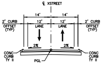
STA 3129+57.02 TO STA 3135+78.13,
STA 3140+73.88 TO STA 3151+48.88,
STA 3230+67.14 TO STA 3239+50.43,
STA 3383+16.32 TO STA 3398+80.75

PROPOSED TYPICAL SECTION


℄ LOVERS
24'
1'
11'
11'
1'
EXIST
LANE
EXIST
LANE
VARIES
VARIES
4:1 MAX
4:1 MAX

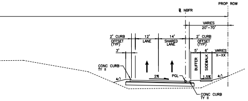
EXISTING TYPICAL SECTION

N LOVERS, S LOVERS

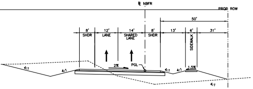

℄ XSTREET
14'
14'
2' CURB
OFFSET
(TYP)
12'
LANE
12'
LANE
2' CURB
OFFSET
(TYP)
2%
2%
CONC
CURB
TY II
PGL
CONC
CURB
TY II

PROPOSED SIDE STREET
TYPICAL SECTION

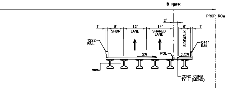
N LOVERS LN


PROP ROW
℄ NBFR
VARIES 20'-70'
2' CURB OFFSET (TYP)
12' LANE
14' SHARED LANE
2' CURB OFFSET (TYP)
3'
5' BUFFER
6' SIDEWALK
VARIES X-XX
CONC CURB TY II
2%
PGL
1.5%
4:1
CONC CURB TY II

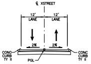
STA 2004+11.53 TO STA 2034+63.48, STA 2045+64.20 TO STA 2077+28.20,
STA 2088+94.15 TO STA 2122+92.29, STA 2146+54.53 TO STA 2158+14.92,
STA 2169+12.46 TO STA 2225+08.15, STA 2244+20.85 TO STA 2272+09.59,
STA 2284+27.82 TO STA 2330+29.00, STA 2338+25.15 TO STA 2372+22.26,
STA 2391+14.52 TO STA 2402+25.69


℄ NBFR
PROP ROW
50'
8' SHDR
12' LANE
14' SHARED LANE
8' SHDR
13'
6' SIDEWALK
31'
2%
PGL
1.5%
4:1

STA 2331+64.00 TO STA 2335+55.15


℄ NBFR
PROP ROW
1'
8' SHDR
12' LANE
14' SHARED LANE
2'
6' SIDEWALK
1'
T222 RAIL
C411 RAIL
2%
PGL
1.5%
CONC CURB TY II (MONO)

STA 2124+47.29 TO STA 2130+76.18,
STA 2134+80.42 TO STA 2143+55.42,
STA 2226+65.48 TO STA 2233+28.88,
STA 2375+42.20 TO STA 2388+24.66


℄ XSTREET
12' LANE
12' LANE
2%
2%
CONC CURB TY II
CONC CURB TY II
PGL

PROPOSED SIDE STREET
TYPICAL SECTION
S LOVERS LN

GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED, SCHEMATICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED OCTOBER 2016.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TP&P.
3. ADA RAMPS AND SIDEWALK ARE DESIGNED PER TEXAS ACCESSIBILITY STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PS&E DEVELOPMENT.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
6. DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DEVELOPMENT.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
8. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL'S AS SHOWN IN THE TYPICAL SECTIONS.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (UNLESS NOTED OTHERWISE).
10. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS OTHERWISE NOTED).
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0355G (2011).
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING PS&E DEVELOPMENT.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (JULY 2018).

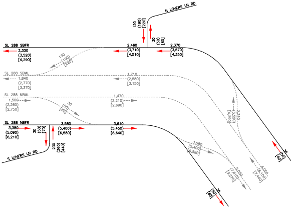
LEGEND:

🟩	FRONTAGE ROADS
🟪	CROSS STREETS
🟧	BRIDGE
⬛	SIDEWALK
🟥	DRIVEWAY
🟨	PROPOSED ROADWAY BY ADJACENT PROJECT
▨	ASPHALT TO BE REMOVED
▨	FLOOD PLAINS
—‖—	CONTROL OF ACCESS
-·-·-	EXISTING ROW
-·-·-	PROPOSED ROW ACQUIRED BY ADJACENT PROJECT
-·-·-	PROPOSED ROW
-·-·-	DRAINAGE EASEMENT
- - -	CITY OF DENTON
XXXXX-X	CURVE NUMBER
SL-04	PARCEL NO.
-·-·-	EXISTING ELECTRIC LINE
-·-·-	EXISTING GAS LINE
-·-·-	EXISTING GAS LINE
-·-·-	EXISTING WASTEWATER LINE
-·-·-	EXISTING STORM SEWER LINE
-·-·-	EXISTING TELEPHONE LINE
-·-·-	EXISTING WATER LINE
——	FUTURE RAMP CONNECTION

50
25
0
50
100
SCALE
FEET

TRAFFIC DIAGRAM

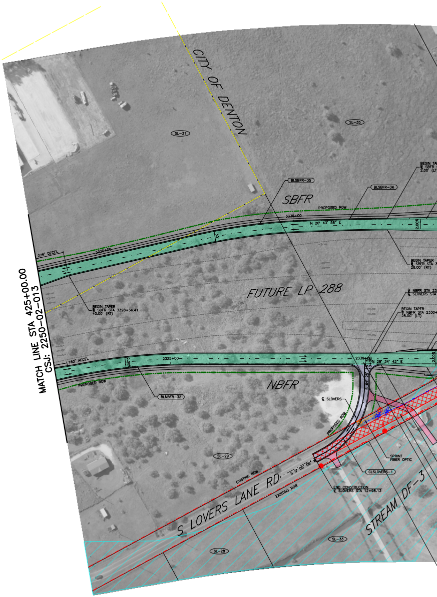
N.T.S


N LOVERS LN RD
120
(190)
[220]
30
(50)
[60]
SL 288 SBFR
2,330
(3,520)
[4,290]
130
(190)
[220]
2,460
(3,710)
[4,510]
2,370
(3,570)
[4,350]
SL 288 SBML
1,840
(2,770)
[3,370]
1,710
(2,580)
[3,150]
SL 288 NBML
1,500
(2,260)
[2,750]
30
(50)
[60]
1,470
(2,210)
[2,690]
2,560
(3,860)
[4,290]
SL 288 NBFR
3,380
(5,090)
[6,210]
30
(50)
[70]
3,580
(5,400)
[6,580]
3,610
(5,450)
[6,640]
230
(360)
[440]
S LOVERS LN RD
3,580
(5,400)
[6,580]
5,050
(7,610)
[9,270]
4,050
(6,100)
[7,440]
30
(50)
[60]
30
(50)
[60]

LEGEND:

INTERIM TRAFFIC VOLUME X,XXX = 2020 ADT (X,XXX) = (2040) ADT [X,XXX] = [2050] ADT	ULTIMATE TRAFFIC VOLUME X,XXX= 2020 ADT (X,XXX)= (2040) ADT [X,XXX]= [2050] ADT	= ADT VOLUMES TO BE PROVIDED UNDER SEPARATE STUDY

PROPERTY INFORMATION						
PARCEL NO.	PROPERTY ID	OWNERS NAME	OWNERS ADDRESS	SITUS ADDRESS	ACRES	DEED
SL-28	61113	SLOAN, SHAWN M	2030 LOVERS LN, KRUM, TX 76249	LOVERS LN 76249	5.00	
SL-29	61087	ALAMBAR, NICANOR D	PO BOX 53, KRUM, TX 76249	3278 MASCH BRANCH RD TX	13.03	
SL-31	61161	NAUS, STEVEN C	3428 N MASCH BRANCH RD, DENTON, TX 76207	MASCH BRANCH RD	12.00	2008-63618
	179514			3320 N MASCH BRANCH RD 76249	5.00	2008-63618
SL-33	244904	SLOAN, SHAWN M	2000 LOVERS LN, KRUM, TX 76249	2000 LOVERS LN TX 76249	10.00	
SL-34	61110	SLOAN, SHAWN M	2030 LOVERS LN, KRUM, TX 76249	2030 LOVERS LN TX 76249	5.00	
SL-35	61151	MITCHELL, ELAINE ADAMSON	PO BOX 15383, AMARILLO, TX 79105	LOVERS LN 76249	16.00	
SL-36	61108	BAKER FAMILY PARTNERS LTD	PO BOX 1606, DENTON, TX 76202	LOVERS LN 76249	20.00	05-10763
SL-37	334982	FITTS, EARL P & ANNA K	2141 LOVERS LN, KRUM, TX 76249	2141 LOVERS LN TX	15.54	2016-81892
	621557			2141 LOVERS LN 76249	0.46	2016-81892
SL-38	61133	NEELEY, PHILIP & KRISTA	225 LOVERS LN, KRUM, TX 76246	2225 LOVERS LN 76247	16.00	00-101144
SL-38A	565240	DGA LLC	2000 LOVERS LN, KRUM, TX 76249		1.74	2016-163084
	268905			2327 LOVERS LN 76249	8.72	2016-163084
SL-39	61106	NS & SONS LLC	2850 N MASCH BRANCH RD, DENTON, TX 76207	LOVERS LN 76249	15.00	2015-138343
SL-40	61103	GREEN, LARRY A & SHIRLEY N	2388 LOVERS LN, KRUM, TX 76249	2500 LOVERS LN TX 76249	15.00	97-0055506
SL-41	61100	JOHNSRUD RANCH PROPERTIES LLC	284 SADDLEVIEW CT, MINERAL WELLS, TX 76067	LOVERS LN 76249	15.00	2015-32866
SL-42	39141	BAKERS FAMILY PARTNERS LTD	PO BOX 1606, DENTON, TX 76202	N MASCH BRANCH RD 76207	323.14	02-113080
SL-43	61077	JOHNSRUD RANCH PROPERTIES LLC	284 SADDLEVIEW CT, MINERAL WELLS, TX 76067	4081 HARRISON CT TX 76249	15.00	2015-32862
SL-44	61155	TORRES, NICOLAS HERNANDEZ	PO BOX 112422, CARROLLTON, TX 75011	2902 LOVERS LN	3.91	2017-66205
SL-45	39145	WESTVIEW COMMERCIAL LP	4265 KELLWAY CIR, ADDISON, TX 75001		41.03	2006-119845
SL-46	302613	WESTVIEW COMMERCIAL LP	4265 KELLWAY CIR, ADDISON, TX 75001		61.28	2006-119845
	302373			TX	80.62	2006-119845


CITY OF DENTON
SL-31
SL-35
BLSBFR-35
BLSBFR-36
SBFR
PROPOSED ROW
3335+00
N 26° 43' 58" E
275' DECEL
3330+00
BEGIN TAPER
℄ SBFR STA 3328+36.41
40.00' (RT)
FUTURE LP 288
MATCH LINE STA 425+00.00
CSJ: 2250-02-013
160' ACCEL
2325+00
2330+00
N 28° 34' 42" E
PROPOSED ROW
BLNBFR-32
NBFR
℄ SLOVERS
PROPOSED ROW
SL-29
EXISTING ROW
S LOVERS LANE RD
EXISTING ROW
SPRINT FIBER OPTIC
CLSLOVERS-1
END CONSTRUCTION
℄ SLOVERS STA 12+98.13
STREAM DF-3
SL-33
SL-28
BEGIN TAPER
℄ SBFR STA
2.00' (LT)
BEGIN TAPER
℄ SBFR STA
28.00' (RT)
℄ NBFR STA
℄ SLOVERS STA
BEGIN TAPER
℄ NBFR STA 2330+
28.00' (LT)

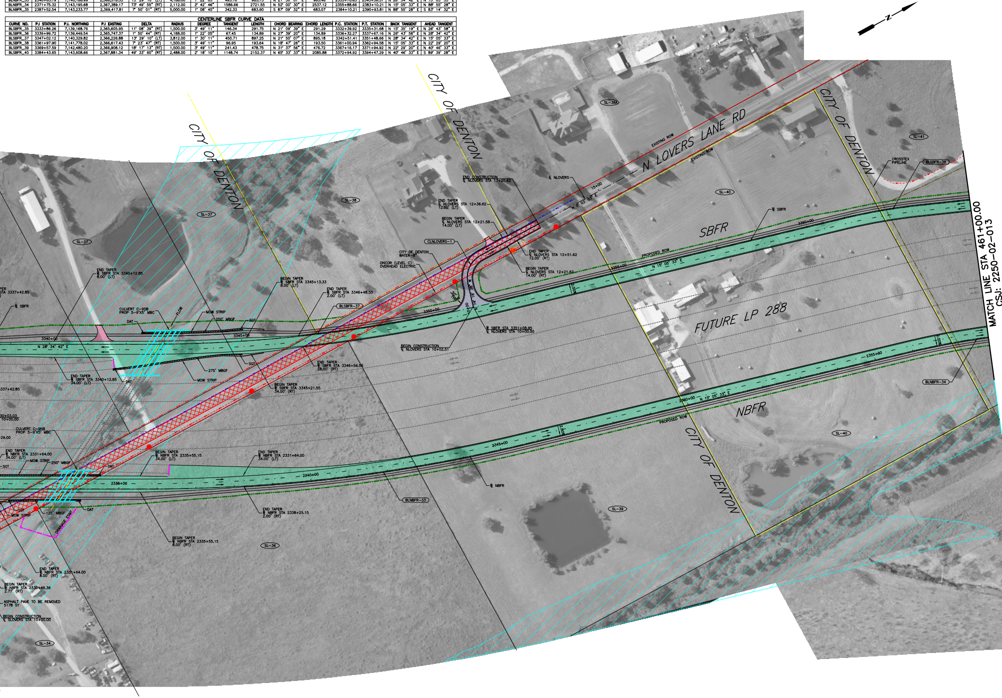
TOPOGRAPHIC/AERIAL PHOTOGRAPHY: OCTOBER 2016

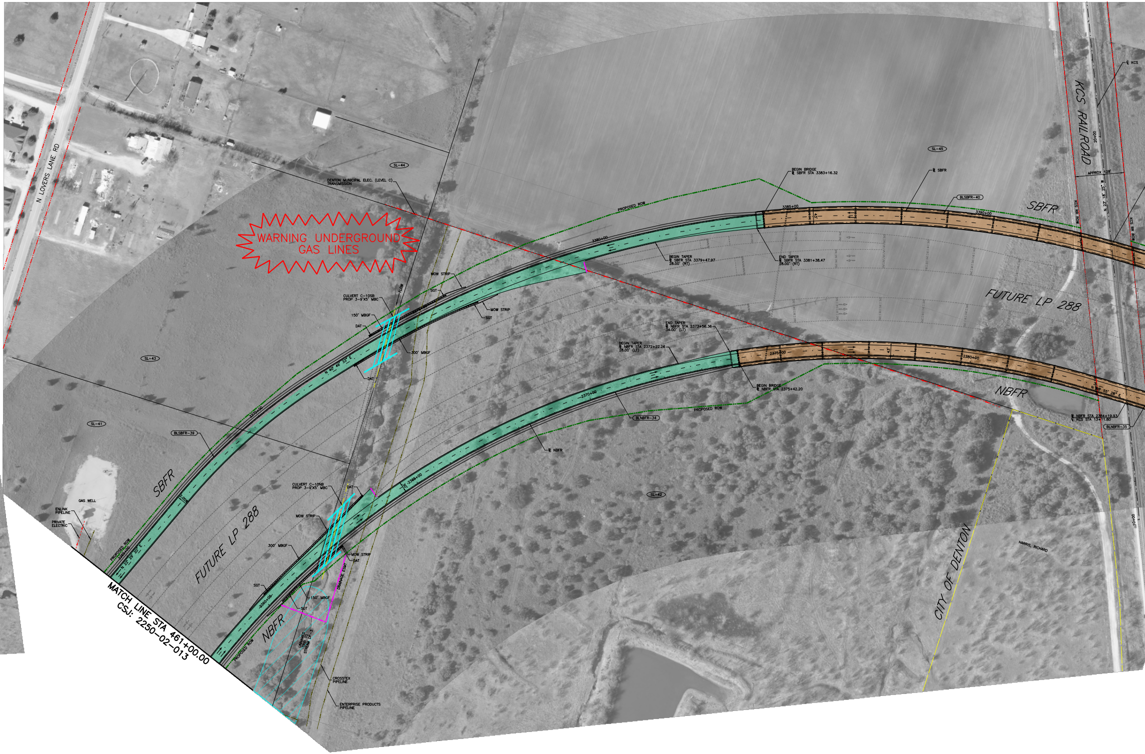
CENTERLINE NBFR CURVE DATA

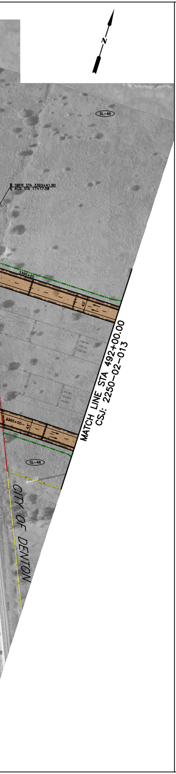
CURVE NO.	P.I STATION	P.I. NORTHING	P.I EASTING	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
BLNBFR_32	2323+83.57	7,138,710.44	2,365,772.92	12° 59' 23" (RT)	1,500.00	3° 49' 11"	170.77	340.07	N 22° 05' 00" E	339.34	2322+12.80	2325+52.87	N 15° 35' 19" E	N 28° 34' 42" E
BLNBFR_33	2340+65.79	7,140,188.99	2,366,578.33	13° 29' 10" (LT)	4,188.00	1° 22' 05"	495.16	985.75	N 21° 50' 07" E	983.48	2335+70.63	2345+56.37	N 28° 34' 42" E	N 15° 05' 33" E
BLNBFR_34	2371+75.32	7,143,195.68	2,367,389.17	73° 49' 55" (RT)	2,112.00	2° 42' 46"	1586.66	2721.55	N 52° 00' 30" E	2537.12	2355+88.66	2383+10.21	N 15° 05' 33" E	N 88° 55' 28" E
BLNBFR_35	2387+52.54	7,143,233.77	2,369,417.81	7° 50' 01" (RT)	5,000.00	1° 08' 45"	342.33	683.60	S 87° 09' 32" E	683.07	2384+10.21	2390+93.81	N 88° 55' 28" E	S 83° 14' 32" E

CENTERLINE SBFR CURVE DATA

CURVE NO.	P.I STATION	P.I. NORTHING	P.I EASTING	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
BLSBFR_35	3333+86.26	7,139,168.76	2,365,605.95	11° 08' 39" (RT)	1,500.00	3° 49' 11"	146.34	291.75	N 21° 09' 39" E	291.29	3332+39.92	3335+31.68	N 15° 35' 19" E	N 26° 43' 58" E
BLSBFR_36	3336+99.72	7,139,449.54	2,365,747.37	1° 50' 44" (RT)	4,188.00	1° 22' 05"	67.45	134.89	N 27° 39' 20" E	134.89	3336+32.27	3337+67.16	N 26° 43' 58" E	N 28° 34' 42" E
BLSBFR_37	3347+02.12	7,140,329.82	2,366,226.88	13° 29' 10" (LT)	3,812.00	1° 30' 11"	450.71	897.25	N 21° 50' 07" E	895.18	3342+51.41	3351+48.66	N 28° 34' 42" E	N 15° 05' 33" E
BLSBFR_38	3361+97.90	7,141,778.02	2,366,617.43	7° 23' 47" (RT)	1,500.00	3° 49' 11"	96.95	193.64	N 18° 47' 26" E	193.50	3361+00.94	3362+94.58	N 15° 05' 33" E	N 22° 29' 20" E
BLSBFR_39	3369+57.59	7,142,480.20	2,366,908.12	18° 17' 13" (RT)	1,500.00	3° 49' 11"	241.43	478.75	N 31° 37' 56" E	476.72	3367+16.17	3371+94.92	N 22° 29' 20" E	N 40° 46' 33" E
BLSBFR_40	3384+43.65	7,143,608.66	2,367,881.34	49° 33' 60" (RT)	2,488.00	2° 18' 10"	1148.74	2152.37	N 65° 33' 33" E	2085.88	3372+94.92	3394+47.29	N 40° 46' 33" E	S 89° 39' 28" E


N
CITY OF DENTON
CITY OF DENTON
CITY OF DENTON
CITY OF DENTON
N LOVERS LANE RD
EXISTING ROW
EXISTING ROW
SL-38A
SL-41
SL-37
SL-38
SL-37
SL-40
SL-40
SL-39
SL-36
SL-34
℄ NLOVERS
15+00
N 0° 03' 53" E
CROSSTEX PIPELINE
BLSBFR-38
END CONSTRUCTION
℄ NLOVERS STA 13+20.62
END TAPER
℄ NLOVERS STA 12+36.62
12.00' (LT)
BEGIN TAPER
℄ NLOVERS STA 12+21.58
14.00' (LT)
CLNLOVERS-1
CITY OF DENTON
WATER-8"
ONCOR (LEVEL C)
OVERHEAD ELECTRIC
END TAPER
℄ NLOVERS STA 12+51.62
12.00' (RT)
BEGIN TAPER
℄ NLOVERS STA 12+21.62
14.00' (RT)
℄ SBFR
SBFR
PROPOSED ROW
3355+00
3360+00
N 15° 05' 33" E
FUTURE LP 288
MATCH LINE STA 461+00.00
CSJ: 2250-02-013
END TAPER
℄ SBFR STA 3340+12.85
8.00' (LT)
TA 3337+42.85
℄ SBFR
CULVERT C-9SB
PROP 5-9'X5' MBC
FLOW
DAT
MOW STRIP
200' MBGF
SGT
BEGIN TAPER
℄ SBFR STA 3345+13.33
8.00' (LT)
END TAPER
℄ SBFR STA 3346+48.33
2.00' (LT)
BLSBFR-37
3340+00
3345+00
3350+00
N 28° 34' 42" E
SGT
275' MBGF
MOW STRIP
DAT
END TAPER
℄ SBFR STA 3340+12.85
34.00' (LT)
℄ SBFR STA 3351+08.95
℄ NLOVERS STA 10+00.00
BEGIN CONSTRUCTION
℄ NLOVERS STA 10+02.51
END TAPER
℄ SBFR STA 3346+56.56
28.00' (RT)
BEGIN TAPER
℄ SBFR STA 3345+21.55
34.00' (RT)
BLNBFR-34
2355+00
2360+00
N 15° 05' 33" E
NBFR
PROPOSED ROW
2345+00
2340+00
2335+00
CULVERT C-9NB
PROP 5-9'X5' MBC
END TAPER
℄ NBFR STA 2331+64.00
34.00' (LT)
MOW STRIP
250' MBGF
SGT
DAT
BEGIN TAPER
℄ NBFR STA 2335+55.15
34.00' (LT)
END TAPER
℄ NBFR STA 2331+64.00
34.00' (LT)
SGT
MOW STRIP
125' MBGF
DRAINAGE ESMT
DAT
℄ NBFR
BLNBFR-33
END TAPER
℄ NBFR STA 2338+25.15
2.00' (RT)
BEGIN TAPER
℄ NBFR STA 2335+55.15
8.00' (RT)
END TAPER
℄ NBFR STA 2331+64.00
8.00' (RT)
BEGIN TAPER
℄ NBFR STA 2330+46.36
2.77' (RT)
ASPHALT PAVE TO BE REMOVED
5178 SY
BEGIN CONSTRUCTION
℄ SLOVERS STA 10+00.00


N LOVERS LANE RD
SL-44
SL-45
SL-43
SL-41
SL-42
DENTON MUNICIPAL ELEC. (LEVEL C)
TRANSMISSION
WARNING UNDERGROUND
GAS LINES
PROPOSED ROW
BEGIN BRIDGE
℄ SBFR STA 3383+16.32
℄ SBFR
BLSBFR-40
SBFR
3380+00
3385+00
3390+00
43'
BEGIN TAPER
℄ SBFR STA 3379+47.97
28.00' (RT)
END TAPER
℄ SBFR STA 3381+38.47
28.00' (RT)
FUTURE LP 288
KCS RAILROAD
20+00
APPROX 128'
N 23° 18' 25" W
KCS RR ROW
℄ KCS
MOW STRIP
SGT
FLOW
CULVERT C-10SB
PROP 3-9'X5' MBC
150' MBGF
DAT
300' MBGF
N 40° 46' 33" E
END TAPER
℄ NBFR STA 2373+56.36
34.00' (LT)
BEGIN TAPER
℄ NBFR STA 2372+22.26
28.00' (LT)
2370+00
2375+00
2380+00
BEGIN BRIDGE
℄ NBFR STA 2375+42.20
NBFR
N 26° 55' 28" E
℄ NBFR STA 2384+19.93
℄ KCS STA 13+11.80
BLNBFR-35
BLNBFR-34
℄ NBFR
3370+00
BLSBFR-39
GAS WELL
ENLINK
PIPELINE
PRIVATE
ELECTRIC
3360+00
N 22° 29' 20" E
2.00%
CULVERT C-10NB
PROP 3-9'X5' MBC
2366+00
DRAINAGE ESMT
2360+00
UNNAMED
TRIB TO
STREAM DF-3
CROSSTEX
PIPELINE
ENTERPRISE PRODUCTS
PIPELINE
MATCH LINE STA 461+00.00
CSJ: 2250-02-013
CITY OF DENTON
HARRIS, RICHARD
10+00


N
SL-46
℄ SBFR STA 3393+41.90
℄ KCS STA 17+17.58
3395+00
43'
3385+00
43'
MATCH LINE STA 492+00.00
CSJ: 2250-02-013
SL-46
CITY OF DENTON

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED BUR, P.E., DISTRICT ENGINEER

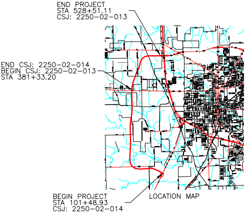
DENTON COUNTY
SL 288

PROJECT LIMIT: FROM I.H. 35W
TO I.H. 35
CONTROL: 2250-02-013
2250-02-014

FUNCTIONAL CLASS: URBAN ARTERIAL

DESIGN SPEED: 45 mph FRONTAGE ROADS
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES


END PROJECT
STA 528+51.11
CSJ: 2250-02-013
END CSJ: 2250-02-014
BEGIN CSJ: 2250-02-013
STA 381+33.20
BEGIN PROJECT
STA 101+48.93
CSJ: 2250-02-014

LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 11 OF 15

APPROVED SCHEMATIC NOT FOR CONSTRUCTION
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THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

CP&Y

	DATE: MAY 2020
THOMAS COCHILL	P.E. NO. 87665

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED BUR, P.E., DISTRICT ENGINEER

DENTON COUNTY
SL 288

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TO I.H. 35
CONTROL: 2250-02-013
2250-02-014

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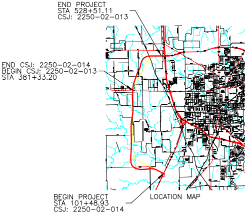
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES



LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 12 OF 15

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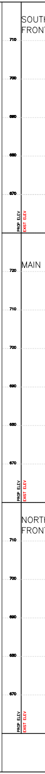
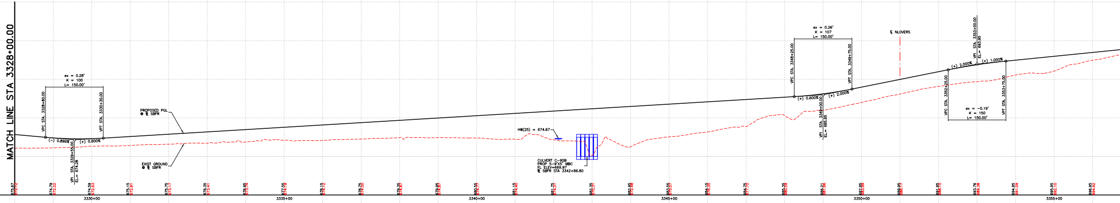
THOMAS COCHILL	P.E. NO. 87665

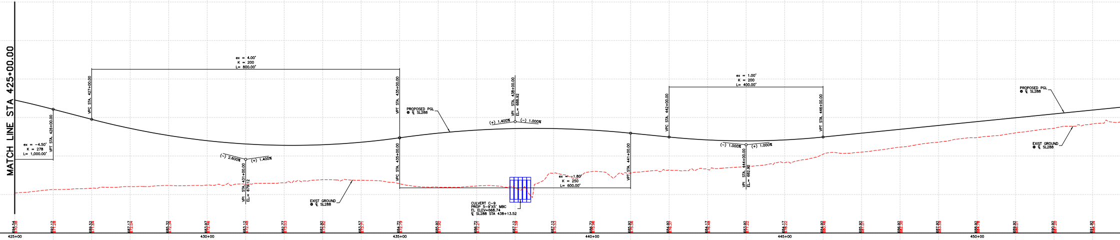
CP&Y



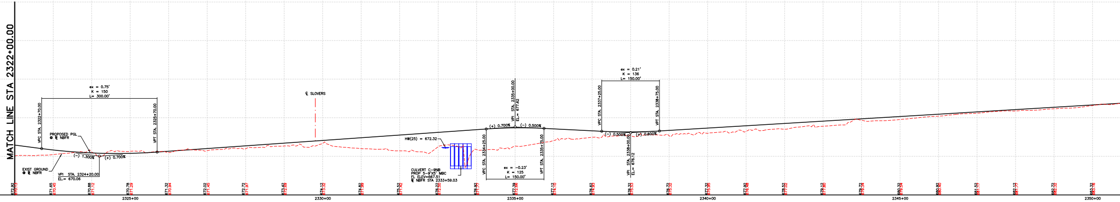
HBOUND
TAGE ROAD

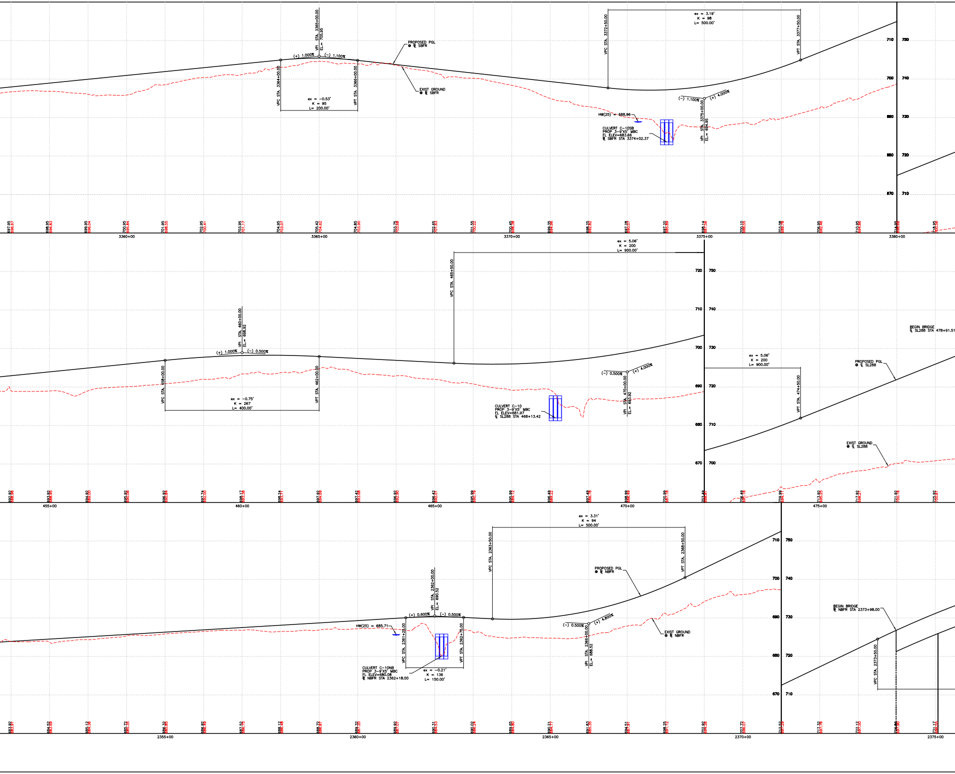

MATCH LINE STA 3328+00.00
ex = 0.28'
K = 100
L= 150.00'
VPC STA. 3328+80.00
VPT STA. 3330+30.00
(−) 0.899%
(+) 0.600%
VPI STA. 3329+55.00
EL.= 674.28
PROPOSED PGL
@ ℄ SBFR
EXIST GROUND
@ ℄ SBFR
HW(25) = 674.67
CULVERT C-9SB
PROP 5-9'X5' MBC
FL ELEV=669.97
℄ SBFR STA 3342+86.80
ex = 0.26'
K = 107
L= 150.00'
VPC STA. 3348+25.00
VPT STA. 3349+75.00
(+) 0.600%
(+) 2.000%
VPI STA. 3349+00.00
EL.= 685.95
℄ NLOVERS
VPI STA. 3353+00.00
EL.= 693.95
(+) 2.000%
(+) 1.000%
VPC STA. 3352+25.00
VPT STA. 3353+75.00
ex = −0.19'
K = 150
L= 150.00'
675.67 672.12
674.79 672.22
674.59 672.63
675.15 672.81
675.75 673.17
676.35 673.41
676.95 673.74
677.55 674.19
678.15 674.12
678.75 674.50
681.15 674.40
681.75 674.51
682.35 670.31
682.95 672.48
683.55 675.07
684.15 676.35
684.75 677.72
685.35 680.59
686.21 681.96
687.95 683.99
689.95 686.17
691.95 688.15
693.76 689.38
694.95 691.09
695.95 692.10
696.95 694.92
3330+00
3335+00
3340+00
3345+00
3350+00
3355+00

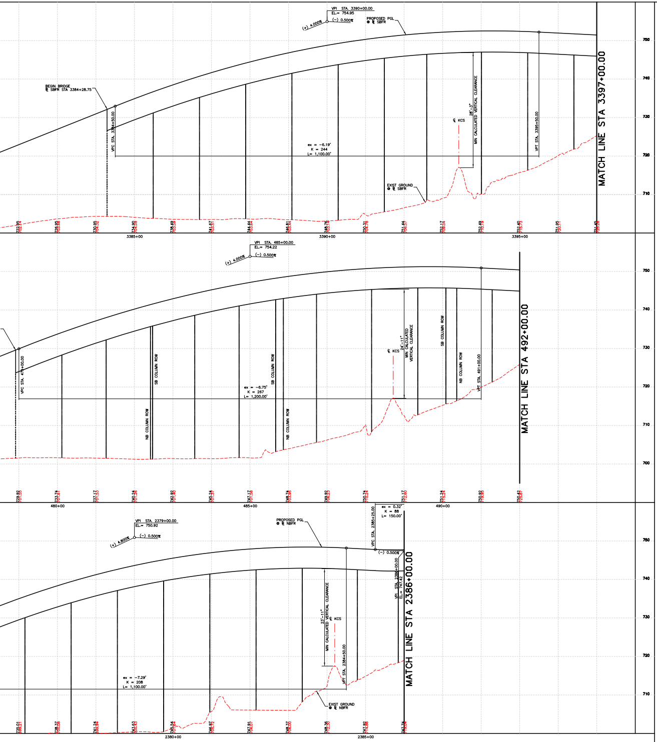
LANE


MATCH LINE STA 425+00.00
ex = −4.50'
K = 278
L= 1,000.00'
VPT STA. 426+00.00
VPC STA. 427+00.00
ex = 4.00'
K = 200
L= 800.00'
(−) 2.600%
(+) 1.400%
VPI STA. 431+00.00
EL.= 679.12
EXIST GROUND
@ ℄ SL288
VPT STA. 435+00.00
VPC STA. 435+00.00
PROPOSED PGL
@ ℄ SL288
VPI STA. 438+00.00
EL.= 688.92
(+) 1.400%
(−) 1.000%
CULVERT C-9
PROP 5-9'X5' MBC
FL ELEV=668.74
℄ SL288 STA 438+13.52
ex = −1.80'
K = 250
L= 600.00'
VPT STA. 441+00.00
VPC STA. 442+00.00
ex = 1.00'
K = 200
L= 400.00'
VPT STA. 446+00.00
(−) 1.000%
(+) 1.000%
VPI STA. 444+00.00
EL.= 682.92
PROPOSED PGL
@ ℄ SL288
EXIST GROUND
@ ℄ SL288
894.54 670.38
892.12 671.28
889.52 671.64
887.17 672.04
885.32 672.34
883.97 672.46
883.12 672.48
882.77 673.03
882.92 673.82
883.57 673.71
884.72 672.79
885.92 671.92
886.72 672.21
887.12 671.59
887.12 675.53
886.72 675.96
885.92 675.56
884.92 676.57
884.17 676.48
883.92 677.22
884.17 678.22
884.92 680.46
885.92 681.01
886.92 682.30
887.92 683.59
888.92 684.78
889.92 686.01
890.92 687.20
891.92 688.34
425+00
430+00
435+00
440+00
445+00
450+00

HBOUND
TAGE ROAD


MATCH LINE STA 2322+00.00
ex = 0.75'
K = 150
L= 300.00'
VPC STA. 2322+70.00
VPT STA. 2325+70.00
PROPOSED PGL
@ ℄ NBFR
EXIST GROUND
@ ℄ NBFR
(−) 1.300%
(+) 0.700%
VPI STA. 2324+20.00
EL.= 670.06
℄ SLOVERS
HW(25) = 672.32
CULVERT C-9NB
PROP 5-9'X5' MBC
FL ELEV=667.51
℄ NBFR STA 2333+59.03
VPI STA. 2335+00.00
EL.= 677.62
(+) 0.700%
(−) 0.500%
VPC STA. 2334+25.00
VPT STA. 2335+75.00
ex = −0.23'
K = 125
L= 150.00'
ex = 0.21'
K = 136
L= 150.00'
VPC STA. 2337+25.00
VPT STA. 2338+75.00
(−) 0.500%
(+) 0.600%
VPI STA. 2338+00.00
EL.= 676.12
672.92 670.13
671.65 670.45
670.88 671.12
670.78 671.29
671.32 670.94
672.02 671.45
672.72 671.97
673.42 672.69
674.12 673.32
674.82 671.99
675.52 671.42
676.22 672.50
676.92 671.77
677.39 672.66
677.12 674.10
676.62 674.93
676.32 675.53
676.72 675.32
677.32 675.95
677.92 676.48
678.52 677.02
679.12 677.80
679.72 679.34
680.32 679.54
680.92 680.40
681.52 681.17
682.12 681.77
682.72 682.32
683.32 683.16
2325+00
2330+00
2335+00
2340+00
2345+00
2350+00


VPI STA. 3365+00.00
EL.= 705.95
(+) 1.000%
(−) 1.100%
VPC STA. 3364+00.00
VPT STA. 3366+00.00
ex = −0.53'
K = 95
L= 200.00'
PROPOSED PGL
@ ℄ SBFR
EXIST GROUND
@ ℄ SBFR
VPC STA. 3372+50.00
VPT STA. 3377+50.00
ex = 3.19'
K = 98
L= 500.00'
(−) 1.100%
(+) 4.000%
VPI STA. 3375+00.00
EL.= 684.95
HW(25) = 688.96
CULVERT C-10SB
PROP 3-9'X5' MBC
FL ELEV=683.66
℄ SBFR STA 3374+02.37
710 750
700 740
690 730
680 720
670 710
3360+00
3365+00
3370+00
3375+00
3380+00
VPC STA. 465+50.00
ex = 5.06'
K = 200
L= 900.00'
VPI STA. 460+00.00
EL.= 698.92
(+) 1.000%
(−) 0.500%
VPC STA. 458+00.00
VPT STA. 462+00.00
ex = −0.75'
K = 267
L= 400.00'
CULVERT C-10
PROP 3-9'X5' MBC
FL ELEV=681.97
℄ SL288 STA 468+13.42
(−) 0.500%
(+) 4.000%
VPI STA. 470+00.00
EL.= 693.92
720 750
710 740
700 730
690 720
680 710
670 700
ex = 5.06'
K = 200
L= 900.00'
VPT STA. 474+50.00
BEGIN BRIDGE
℄ SL288 STA 478+91.51
PROPOSED PGL
@ ℄ SL288
EXIST GROUND
@ ℄ SL288
455+00
460+00
465+00
470+00
475+00
ex = 3.31'
K = 94
L= 500.00'
VPC STA. 2363+50.00
VPT STA. 2368+50.00
PROPOSED PGL
@ ℄ NBFR
VPI STA. 2362+00.00
EL.= 690.52
(+) 0.600%
(−) 0.500%
HW(25) = 685.71
VPC STA. 2361+25.00
VPT STA. 2362+75.00
CULVERT C-10NB
PROP 3-9'X5' MBC
FL ELEV=680.08
℄ NBFR STA 2362+18.00
ex = −0.21'
K = 136
L= 150.00'
(−) 0.500%
(+) 4.800%
VPI STA. 2366+00.00
EL.= 688.52
EXIST GROUND
@ ℄ NBFR
710 750
700 740
690 730
680 720
670 710
BEGIN BRIDGE
℄ NBFR STA 2373+98.00
VPC STA. 2373+50.00
2355+00
2360+00
2365+00
2370+00
2375+00


VPI STA. 3390+00.00
EL.= 754.95
(+) 4.000%
(−) 0.500%
PROPOSED PGL
@ ℄ SBFR
BEGIN BRIDGE
@ SBFR STA 3384+28.75
VPC STA. 3384+50.00
ex = −6.19'
K = 244
L= 1,100.00'
℄ KCS
28'−3"
MIN CALCULATED VERTICAL CLEARANCE
VPT STA. 3395+50.00
EXIST GROUND
@ ℄ SBFR
MATCH LINE STA 3397+00.00
3385+00
3390+00
3395+00
VPI STA. 485+00.00
EL.= 754.22
(+) 4.000%
(−) 0.500%
VPC STA. 479+00.00
SB COLUMN ROW
NB COLUMN ROW
ex = −6.75'
K = 267
L= 1,200.00'
℄ KCS
24'−11"
MIN CALCULATED VERTICAL CLEARANCE
VPT STA. 491+00.00
MATCH LINE STA 492+00.00
480+00
485+00
490+00
VPI STA. 2379+00.00
EL.= 750.92
(+) 4.000%
(−) 0.500%
PROPOSED PGL
@ ℄ NBFR
VPC STA. 2385+25.00
ex = 0.32'
K = 88
L= 150.00'
VPI STA. 2386+00.00
EL.= 747.42
ex = −7.29'
K = 208
L= 1,100.00'
23'−11"
MIN CALCULATED VERTICAL CLEARANCE
℄ KCS
VPT STA. 2384+50.00
EXIST GROUND
@ ℄ NBFR
MATCH LINE STA 2386+00.00
2380+00
2385+00
750
740
730
720
710
700

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED BUR, P.E., DISTRICT ENGINEER

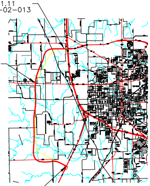
DENTON COUNTY
SL 288

PROJECT LIMIT: FROM I.H. 35W
TO I.H. 35
CONTROL: 2250-02-013
2250-02-014

FUNCTIONAL CLASS: URBAN ARTERIAL

DESIGN SPEED: 45 mph FRONTAGE ROADS
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES


END PROJECT
STA 528+51.11
CSJ: 2250-02-013

END CSJ: 2250-02-014
BEGIN CSJ: 2250-02-013
STA 381+33.20

BEGIN PROJECT
STA 101+48.93
CSJ: 2250-02-014

LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 12 OF 15

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MOHAMED BUR, P.E., DISTRICT ENGINEER

DENTON COUNTY
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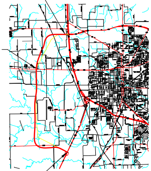

END PROJECT
STA 528+51.11
CSJ: 2250–02–013

END CSJ: 2250–02–014
BEGIN CSJ: 2250–02–013
STA 381+33.20

BEGIN PROJECT
STA 101+48.93
CSJ: 2250–02–014

LOCATION MAP

MAY 2020
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ROLL 13 OF 15

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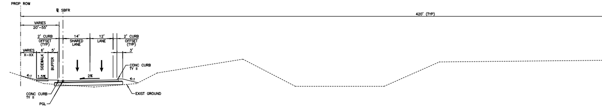
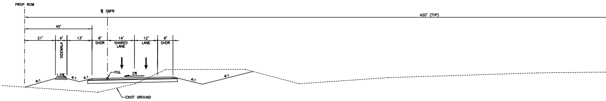

PROP ROW
℄ SBFR
420' (TYP)
VARIES
20'–55'
2' CURB
OFFSET
(TYP)
14'
SHARED
LANE
12'
LANE
2' CURB
OFFSET
(TYP)
VARIES
X–XX
6'
5'
3'
SIDEWALK
BUFFER
CONC CURB
TY II
4:1
1.5%
2%
4:1
CONC CURB
TY II
PGL
EXIST GROUND

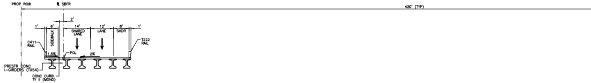
STA 3004+11.32 TO STA 3033+38.76, STA 3044+39.47 TO STA 3080+47.42,
STA 3092+33.89 TO STA 3126+67.02, STA 3153+06.20 TO STA 3163+76.30,
STA 3174+73.85 TO STA 3227+66.89, STA 3250+69.53 TO STA 3278+50.81,
STA 3290+69.06 TO STA 3318+01.71, STA 3328+36.41 TO STA 3337+42.85,
STA 3346+56.55 TO STA 3379+47.97, STA 3400+35.75 TO STA 3420+32.99

PROPOSED TYPICAL SECTION


PROP ROW
℄ SBFR
420' (TYP)
45'
21'
6'
13'
8'
SHDR
14'
SHARED
LANE
12'
LANE
8'
SHDR
SIDEWALK
4:1
1.5%
4:1
4:1
PGL
2%
4:1
4:1
EXIST GROUND

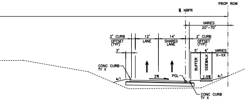
STA 3340+12.85 TO STA 3345+13.33

PROPOSED TYPICAL SECTION


PROP ROW
℄ SBFR
420' (TYP)
2'
1'
6'
14'
SHARED
LANE
12'
LANE
8'
SHDR
1'
SIDEWALK
C411
RAIL
T222
RAIL
1.5%
PGL
2%
PRESTR CONC
I–GIRDERS (TX54)
CONC CURB
TY II (MONO)

STA 3129+57.02 TO STA 3135+78.13,
STA 3140+73.88 TO STA 3151+48.88,
STA 3230+67.14 TO STA 3239+50.43,
STA 3383+16.32 TO STA 3398+80.75

PROPOSED TYPICAL SECTION


℄ NBFR
PROP ROW
VARIES
20'–70'
2' CURB
OFFSET
(TYP)
12'
LANE
14'
SHARED
LANE
2' CURB
OFFSET
(TYP)
3'
5'
6'
VARIES
X–XX
BUFFER
SIDEWALK
CONC CURB
TY II
2%
PGL
1.5%
4:1
4:1
CONC CURB
TY II

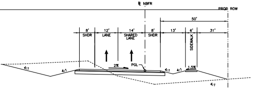
STA 2004+11.53 TO STA 2034+63.48, STA 2045+64.20 TO STA 2077+28.20,
STA 2088+94.15 TO STA 2122+92.29, STA 2146+54.53 TO STA 2158+14.92,
STA 2169+12.46 TO STA 2225+08.15, STA 2244+20.85 TO STA 2272+09.59,
STA 2284+27.82 TO STA 2330+29.00, STA 2338+25.15 TO STA 2372+22.26,
STA 2391+14.52 TO STA 2402+25.69

GENERAL NOTES:

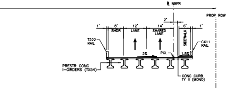
1. EXISTING FEATURES WERE NOT FIELD SURVEYED, SCHEMATICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED OCTOBER 2016.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TP&P.
3. ADA RAMPS AND SIDEWALK ARE DESIGNED PER TEXAS ACCESSIBILITY STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PS&E DEVELOPMENT.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
6. DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DEVELOPMENT.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
8. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL'S AS SHOWN IN THE TYPICAL SECTIONS.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (UNLESS NOTED OTHERWISE).
10. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS OTHERWISE NOTED).
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0355G (2011).
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING PS&E DEVELOPMENT.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (JULY 2018).

LEGEND:

🟩	FRONTAGE ROADS
🟦	CROSS STREETS
🟧	BRIDGE
⬛	SIDEWALK
🟥	DRIVEWAY
🟨	PROPOSED ROADWAY BY ADJACENT PROJECT
▨	ASPHALT TO BE REMOVED
▭	FLOOD PLAINS
—‖—	CONTROL OF ACCESS
–·–·–	EXISTING ROW
–··–··–	PROPOSED ROW ACQUIRED BY ADJACENT PROJECT
–·–·–	PROPOSED ROW
–·–·–	DRAINAGE EASEMENT
——	CITY OF DENTON
XXXXX–X	CURVE NUMBER
SL–04	PARCEL NO.
- - -	EXISTING ELECTRIC LINE
- - -	EXISTING GAS LINE
- - -	EXISTING GAS LINE
- - -	EXISTING WASTEWATER LINE
- - -	EXISTING STORM SEWER LINE
- - -	EXISTING TELEPHONE LINE
- - -	EXISTING WATER LINE
——	FUTURE RAMP CONNECTION


℄ NBFR
PROP ROW
50'
8'
SHDR
12'
LANE
14'
SHARED
LANE
8'
SHDR
13'
6'
31'
SIDEWALK
2%
PGL
1.5%
4:1
4:1
4:1
4:1
4:1

STA 2331+64.00 TO STA 2335+55.15

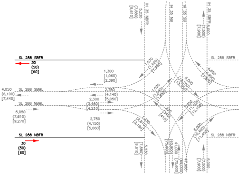

℄ NBFR
PROP ROW
2'
1'
8'
SHDR
12'
LANE
14'
SHARED
LANE
6'
1'
SIDEWALK
T222
RAIL
C411
RAIL
2%
PGL
1.5%
PRESTR CONC
I–GIRDERS (TX54)
CONC CURB
TY II (MONO)

STA 2124+47.29 TO STA 2130+76.18,
STA 2134+80.42 TO STA 2143+55.42,
STA 2226+65.48 TO STA 2233+28.88,
STA 2375+42.20 TO STA 2388+24.66

50 25 0 50 100
SCALE FEET

TRAFFIC DIAGRAM

N.T.S

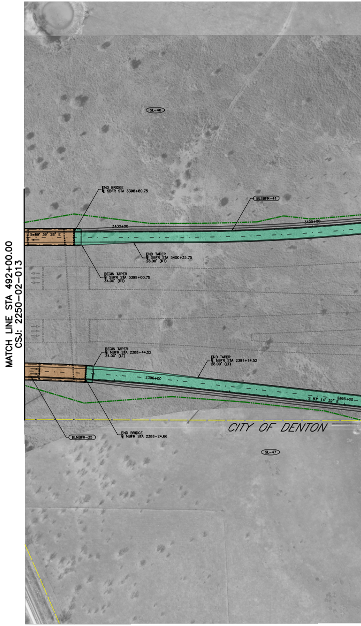

SL 288 SBFR
30
(50)
[60]
SL 288 SBML
4,050
(6,100)
[7,440]
SL 288 NBML
5,050
(7,610)
[9,270]
SL 288 NBFR
30
(50)
[60]
1,300
(1,960)
[2,390]
2,750
(4,140)
[5,050]
2,300
(3,460)
[4,210]
2,750
(4,150)
[5,060]
IH 35 NBFR
5,230
(7,880)
[9,610]
IH 35 NB
IH 35 SB
IH 35 SBFR
5,000
(7,500)
[7,900]
1,070
(1,620)
[1,960]
1,020
(1,540)
[1,880]
8,000
(12,200)
[13,300]
4,600
(6,900)
[7,500]
230
(340)
[410]
7,300
(11,100)
[12,100]
1,730
(2,610)
[3,180]
6,800
(10,400)
[11,400]
5,230
(7,880)
[9,610]
(60,900)
[75,600]
41,000
(69,000)
[75,600]
47,900
5,000
(7,500)
[7,900]
SL 288 SBFR
SL 288 NBFR

LEGEND:

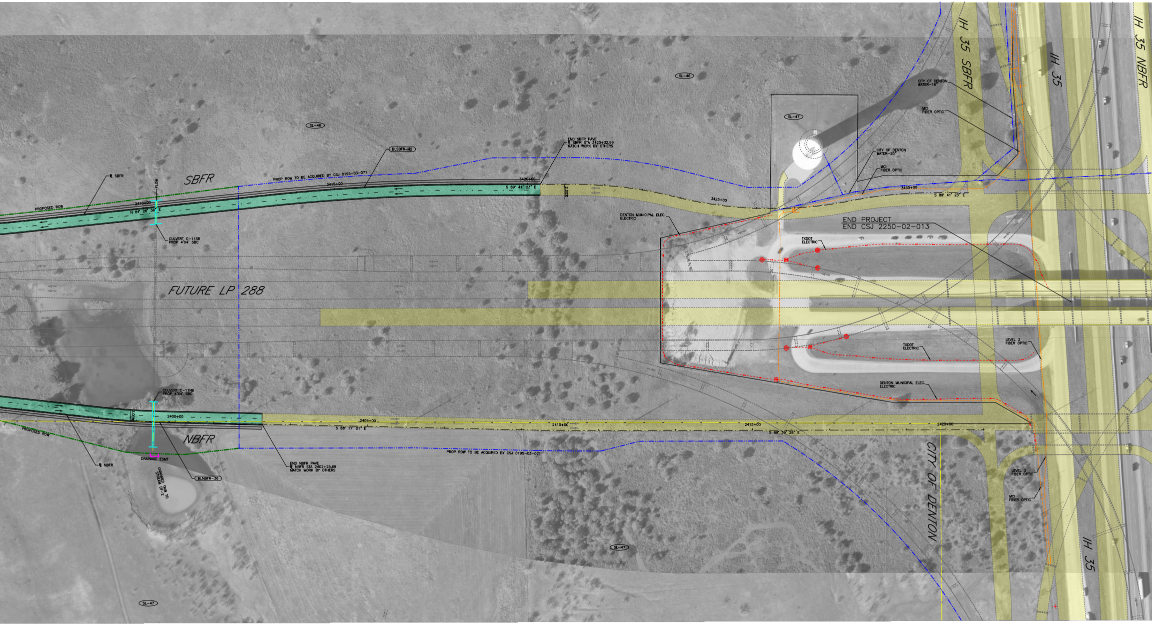
INTERIM TRAFFIC VOLUME
X,XXX = 2020 ADT
(X,XXX) = (2040) ADT
[X,XXX] = [2050] ADT

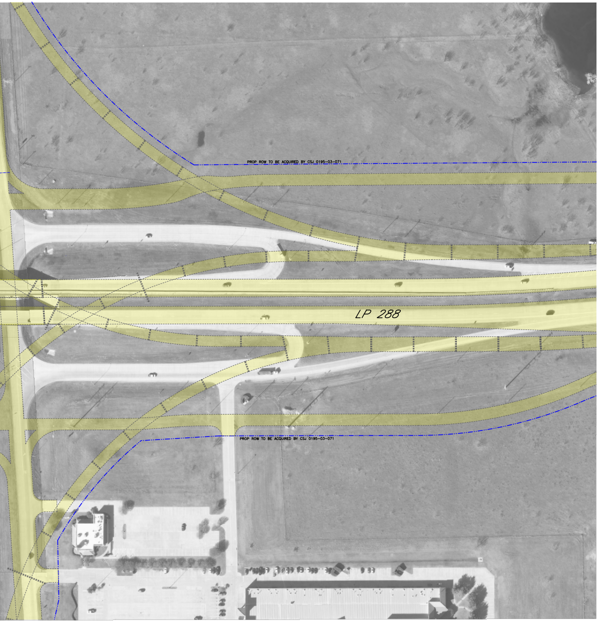
ULTIMATE TRAFFIC VOLUME
X,XXX= 2020 ADT
(X,XXX)= (2040) ADT
[X,XXX]= [2050] ADT

= ADT VOLUMES TO BE PROVIDED UNDER SEPARATE STUDY


MATCH LINE STA 492+00.00
CSJ: 2250–02–013
SL–46
END BRIDGE
℄ SBFR STA 3398+80.75
BLSBFR–41
3400+00
3405+00
S 89° 39' 28" E
END TAPER
℄ SBFR STA 3400+35.75
28.00' (RT)
BEGIN TAPER
℄ SBFR STA 3399+00.75
34.00' (RT)
BEGIN TAPER
℄ NBFR STA 2388+44.52
34.00' (LT)
END TAPER
℄ NBFR STA 2391+14.52
28.00' (LT)
2390+00
2395+00
S 83° 14' 32" E
CITY OF DENTON
BLNBFR–35
END BRIDGE
℄ NBFR STA 2388+24.66
SL–47

TOPOGRAPHIC/AERIAL PHOTOGRAPHY: OCTOBER 2016


SL-46
SL-46
SL-47
SL-47
SL-47
SL-47
℄ SBFR
FLOW
SBFR
PROPOSED ROW
3410+00
N 84° 26' 36" E
CULVERT C-11SB
PROP 4'X4' SBC
PROP ROW TO BE ACQUIRED BY CSJ 0195-03-071
3415+00
BLSBFR-42
3420+00
S 89° 41' 23" E
END SBFR PAVE
℄ SBFR STA 3420+32.99
MATCH WORK BY OTHERS
2.00%
3425+00
DENTON MUNICIPAL ELEC.
ELECTRIC
CITY OF DENTON
WATER-16"
MCI
FIBER OPTIC
CITY OF DENTON
WATER-20"
MCI
FIBER OPTIC
3430+00
S 89° 41' 23" E
IH 35 SBFR
IH 35
IH 35 NBFR
END PROJECT
END CSJ 2250-02-013
TXDOT
ELECTRIC
FUTURE LP 288
TXDOT
ELECTRIC
LEVEL 3
FIBER OPTIC
DENTON MUNICIPAL ELEC.
ELECTRIC
CULVERT C-11NB
PROP 4'X4' SBC
2.00%
2400+00
PROPOSED ROW
NBFR
2405+00
S 88° 17' 01" E
DRAINAGE ESMT
℄ NBFR
BLNBFR-36
UNNAMED TRIB TO
STREAM DF-2
END NBFR PAVE
℄ NBFR STA 2402+25.69
MATCH WORK BY OTHERS
PROP ROW TO BE ACQUIRED BY CSJ 0195-03-071
2410+00
2415+00
S 89° 39' 28" E
2420+00
CITY OF DENTON
LEVEL 3
FIBER OPTIC
MCI
FIBER OPTIC
IH 35


PROP ROW TO BE ACQUIRED BY CSJ 0195-03-071
LP 288
PROP ROW TO BE ACQUIRED BY CSJ 0195-03-071
N

PROPERTY INFORMATION

PARCEL NO.	PROPERTY ID	OWNERS NAME	OWNERS ADDRESS
SL-46	302613 302373	WESTVIEW COMMERCIAL LP	4265 KELLWAY CIR, ADDISON, TX 75001
SL-47	38082 36964	HARRIS, RICHARD A JR HERITAGE TRUST ETAL	425 FRY ST, DENTON, TX 76201

CENTERLINE NBFR CURVE DATA

CURVE NO.	P.I STATION	P.I. NORTHING	P.I EASTING	DELTA	RADIUS	DEGREE	TANGENT	LENGTH
BLNBFR_35	2387+52.54	7,143,233.77	2,369,417.81	7° 50' 01" (RT)	5,000.00	1° 08' 45"	342.33	683.60
BLNBFR_36	2398+83.24	7,143,100.59	2,370,541.71	5° 02' 30" (LT)	2,000.00	2° 51' 53"	88.05	175.99

CENTERLINE SBFR CURVE DATA

CURVE NO.	P.I STATION	P.I. NORTHING	P.I EASTING	DELTA	RADIUS	DEGREE	TANGENT	LENGTH
BLSBFR_41	3404+22.41	7,143,595.97	2,370,005.17	5° 53' 56" (LT)	5,000.00	1° 08' 45"	257.62	514.78
BLSBFR_42	3415+86.69	7,143,708.75	2,371,164.42	5° 52' 01" (RT)	5,000.00	1° 08' 45"	256.22	511.98
BLSBFR_43	3422+54.84	7,143,705.13	2,371,833.02	14° 15' 54" (RT)	1,040.00	5° 30' 33"	130.14	258.93

SITUS ADDRESS	ACRES	DEED
	61.28	2006-119845
TX	80.62	2006-119845
N I35 TX	32.09	2012-139300
5801 N I35 TX	13.56	2012-139300

CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
S 87° 09' 32" E	683.07	2384+10.21	2390+93.81	N 88° 55' 28" E	S 83° 14' 32" E
S 85° 45' 46" E	175.93	2397+95.19	2399+71.18	S 83° 14' 32" E	S 88° 17' 01" E

CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
N 87° 23' 34" E	514.55	3401+64.79	3406+79.57	S 89° 39' 28" E	N 84° 26' 36" E
N 87° 22' 37" E	511.76	3413+30.47	3418+42.45	N 84° 26' 36" E	S 89° 41' 23" E
S 82° 33' 26" E	258.93	3421+24.70	3423+83.63	S 89° 41' 23" E	S 75° 25' 29" E

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED BUR, P.E., DISTRICT ENGINEER

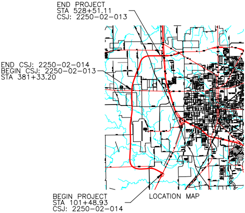
DENTON COUNTY
SL 288

PROJECT LIMIT: FROM I.H. 35W
TO I.H. 35
CONTROL: 2250-02-013
2250-02-014

FUNCTIONAL CLASS: URBAN ARTERIAL

DESIGN SPEED: 45 mph FRONTAGE ROADS
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES


END PROJECT
STA 528+51.11
CSJ: 2250-02-013
END CSJ: 2250-02-014
BEGIN CSJ: 2250-02-013
STA 381+33.20
BEGIN PROJECT
STA 101+48.93
CSJ: 2250-02-014

LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 13 OF 15

APPROVED SCHEMATIC NOT FOR CONSTRUCTION

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

	DATE: MAY 2020
THOMAS COCHILL	P.E. NO. 87665

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED BUR, P.E., DISTRICT ENGINEER

DENTON COUNTY
SL 288

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TO I.H. 35
CONTROL: 2250–02–013
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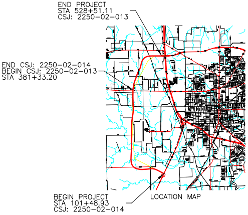
END PROJECT
STA 528+51.11
CSJ: 2250–02–013
END CSJ: 2250–02–014
BEGIN CSJ: 2250–02–013
STA 381+33.20
BEGIN PROJECT
STA 101+48.93
CSJ: 2250–02–014

LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 14 OF 15

APPROVED SCHEMATIC NOT FOR CONSTRUCTION
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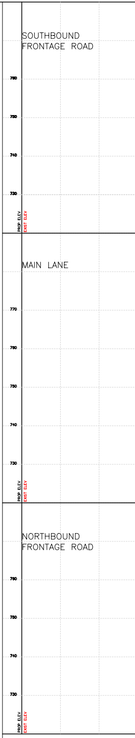
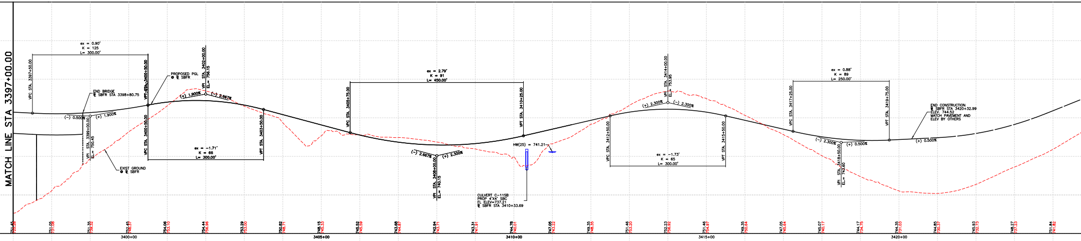
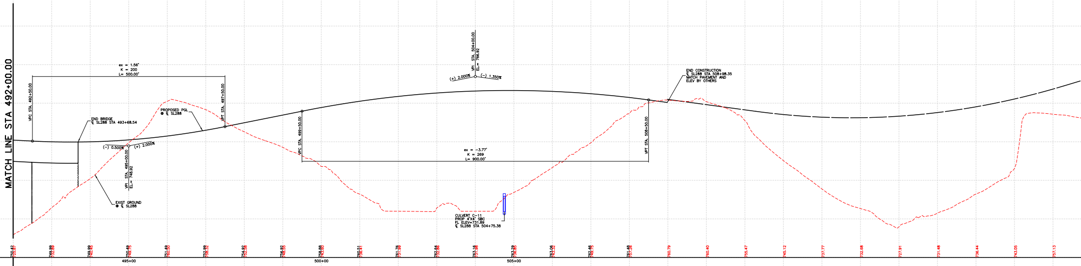
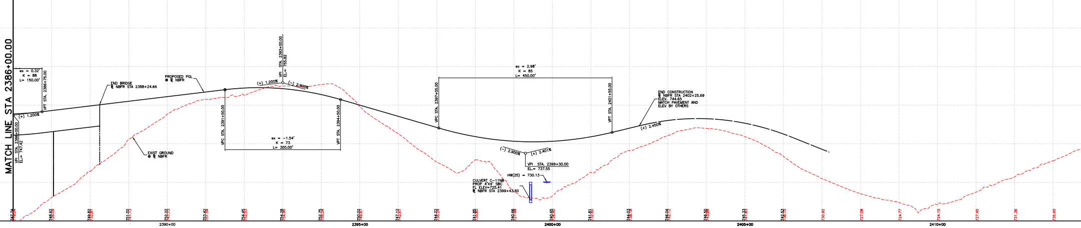
DATE: MAY 2020
THOMAS COCHILL P.E. NO. 87665

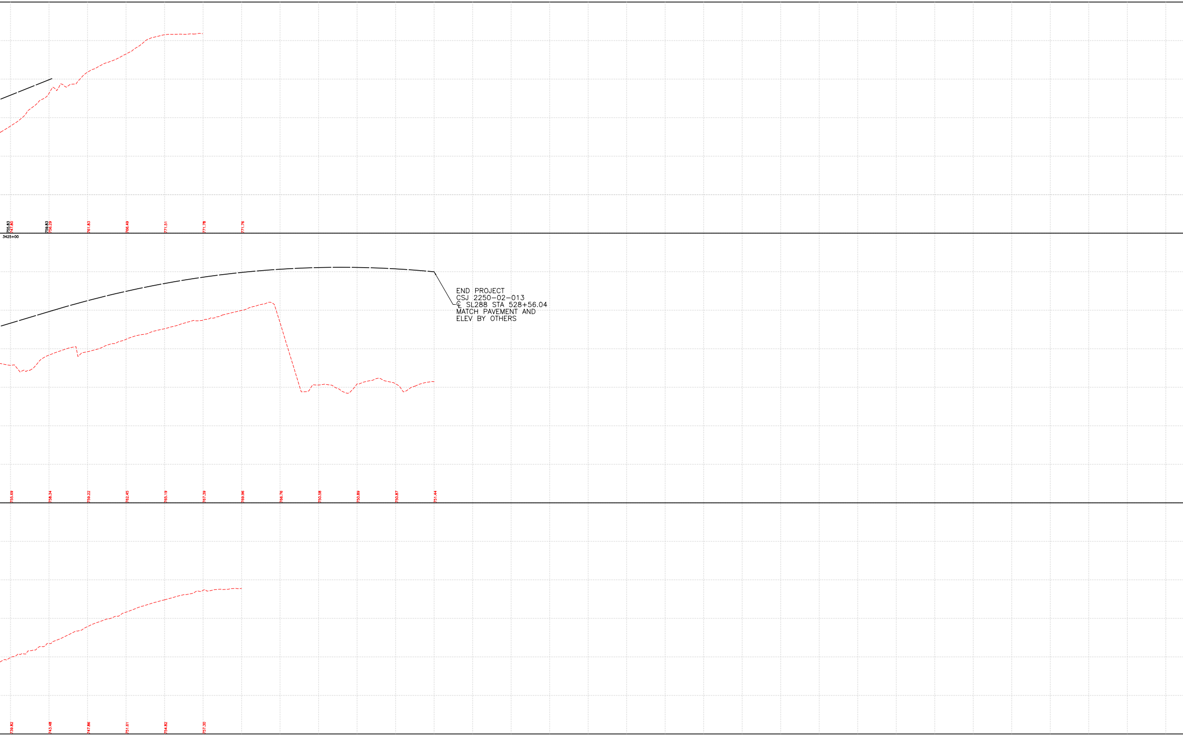
CP&Y


SOUTHBOUND
FRONTAGE ROAD
760
750
740
730
PROP ELEV
EXIST ELEV
MAIN LANE
770
760
750
740
730
PROP ELEV
EXIST ELEV
NORTHBOUND
FRONTAGE ROAD
760
750
740
730
PROP ELEV
EXIST ELEV

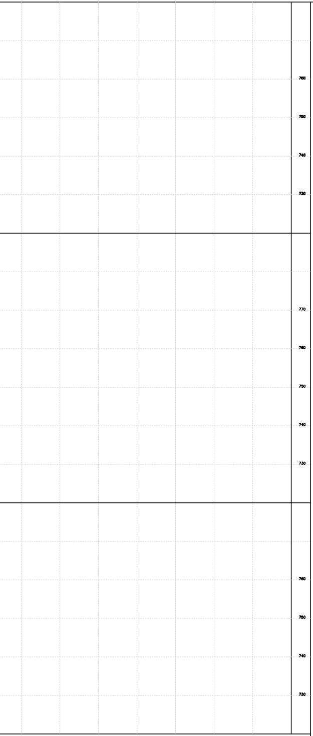

MATCH LINE STA 3397+00.00
ex = 0.90'
K = 125
L= 300.00'
VPC STA. 3397+50.00
VPT STA. 3400+50.00
END BRIDGE
℄ SBFR STA 3398+80.75
(−) 0.500%
(+) 1.900%
VPI STA. 3399+00.00
EL.= 750.45
EXIST GROUND
@ ℄ SBFR
PROPOSED PGL
@ ℄ SBFR
VPI STA. 3402+00.00
EL.= 756.15
(+) 1.900%
(−) 2.667%
VPC STA. 3400+50.00
VPT STA. 3403+50.00
ex = −1.71'
K = 66
L= 300.00'
ex = 2.79'
K = 91
L= 450.00'
VPC STA. 3405+75.00
VPT STA. 3410+25.00
(−) 2.667%
(+) 2.300%
VPI STA. 3408+00.00
EL.= 740.15
HW(25) = 741.21
CULVERT C-11SB
PROP 4'X4' SBC
FL ELEV=737.21
℄ SBFR STA 3410+33.69
VPI STA. 3414+00.00
EL.= 753.95
(+) 2.300%
(−) 2.300%
VPC STA. 3412+50.00
VPT STA. 3415+50.00
ex = −1.73'
K = 65
L= 300.00'
ex = 0.88'
K = 89
L= 250.00'
VPC STA. 3417+25.00
VPT STA. 3419+75.00
(−) 2.300%
(+) 0.500%
VPI STA. 3418+50.00
EL.= 743.60
(+) 0.500%
END CONSTRUCTION
℄ SBFR STA 3420+32.99
ELEV. 744.52
MATCH PAVEMENT AND
ELEV BY OTHERS
751.45 725.28
751.05 731.08
751.35 739.32
752.45 746.37
754.06 753.10
754.44 756.96
753.29 753.00
750.82 748.71
748.15 745.33
745.52 745.59
743.68 744.87
742.94 743.71
743.31 741.91
744.78 740.01
747.05 743.22
749.35 748.35
751.46 753.20
752.23 756.92
751.46 754.97
749.35 750.64
747.05 745.64
745.07 740.17
744.17 734.75
744.35 731.03
744.85 730.37
745.93 732.73
748.27 737.23
751.84 741.82
3400+00
3405+00
3410+00
3415+00
3420+00


MATCH LINE STA 492+00.00
ex = 1.56'
K = 200
L= 500.00'
VPC STA. 492+50.00
VPT STA. 497+50.00
END BRIDGE
℄ SL288 STA 493+68.54
PROPOSED PGL
@ ℄ SL288
(−) 0.500%
(+) 2.000%
VPI STA. 495+00.00
EL.= 748.92
EXIST GROUND
@ ℄ SL288
VPC STA. 499+50.00
VPI STA. 504+00.00
EL.= 766.92
(+) 2.000%
(−) 1.350%
ex = −3.77'
K = 269
L= 900.00'
VPT STA. 508+50.00
CULVERT C-11
PROP 4'X4' SBC
FL ELEV=731.89
℄ SL288 STA 504+75.38
END CONSTRUCTION
℄ SL288 STA 508+98.35
MATCH PAVEMENT AND
ELEV BY OTHERS
750.42 725.87
749.99 732.89
749.99 740.45
750.49 749.75
751.49 760.50
752.99 758.32
754.92 752.58
756.92 748.55
758.88 743.60
760.51 736.41
761.76 731.99
762.64 732.86
763.16 731.98
763.29 736.85
763.06 743.32
762.46 749.75
761.48 757.26
760.79
760.40
755.47
745.12
737.77
732.68
727.91
731.48
736.44
743.05
757.13
495+00
500+00
505+00


MATCH LINE STA 2386+00.00
ex = 0.32'
K = 88
L= 150.00'
VPT STA. 2386+75.00
(+) 1.200%
VPI STA. 2386+00.00
EL.= 747.42
END BRIDGE
℄ NBFR STA 2388+24.66
PROPOSED PGL
@ ℄ NBFR
EXIST GROUND
@ ℄ NBFR
VPI STA. 2393+00.00
EL.= 755.82
(+) 1.200%
(−) 2.900%
VPC STA. 2391+50.00
VPT STA. 2394+50.00
ex = −1.54'
K = 73
L= 300.00'
ex = 2.98'
K = 85
L= 450.00'
VPC STA. 2397+05.00
VPT STA. 2401+55.00
(−) 2.900%
(+) 2.401%
VPI STA. 2399+30.00
EL.= 737.55
HW(25) = 730.13
CULVERT C-11NB
PROP 4'X4' SBC
FL ELEV=725.41
℄ NBFR STA 2399+43.60
END CONSTRUCTION
℄ NBFR STA 2402+25.69
ELEV. 744.65
MATCH PAVEMENT AND
ELEV BY OTHERS
(+) 2.450%
747.74 719.04
748.62 726.09
749.82 732.81
751.02 741.13
752.22 747.73
753.42 751.54
754.45 752.53
754.28
752.75 755.34
750.02 749.67
747.12 742.61
744.22 735.24
741.85 733.85
740.66 727.48
740.65 726.40
741.81 732.60
744.03 738.18
746.04 742.12
746.50 743.98
745.33 741.83
742.53 736.75
730.92
727.08
724.77
724.15
727.45
731.36
735.60
2390+00
2395+00
2400+00
2405+00
2410+00


755.83
747.80
759.83
756.29
761.83
766.49
771.51
771.78
771.76
3425+00
755.69
758.34
759.22
762.45
765.19
767.39
769.96
766.76
750.58
750.89
750.87
751.44
739.82
743.48
747.86
751.61
754.82
757.30

END PROJECT
CSJ 2250–02–013
℄ SL288 STA 528+56.04
MATCH PAVEMENT AND
ELEV BY OTHERS



Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED BUR, P.E., DISTRICT ENGINEER

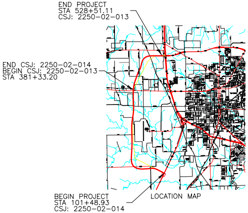
DENTON COUNTY
SL 288

PROJECT LIMIT: FROM I.H. 35W
TO I.H. 35
CONTROL: 2250-02-013
2250-02-014

FUNCTIONAL CLASS: URBAN ARTERIAL

DESIGN SPEED: 45 mph FRONTAGE ROADS
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES


END PROJECT
STA 528+51.11
CSJ: 2250-02-013
END CSJ: 2250-02-014
BEGIN CSJ: 2250-02-013
STA 381+33.20
BEGIN PROJECT
STA 101+48.93
CSJ: 2250-02-014

LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 14 OF 15

APPROVED SCHEMATIC NOT FOR CONSTRUCTION

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FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.
THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

	DATE: MAY 2020
THOMAS COCHILL	P.E. NO. 87665

CP&Y

Texas Department of Transportation®

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DESIGN SCHEMATIC
MOHAMED BUR, P.E., DISTRICT ENGINEER

DENTON COUNTY
SL 288

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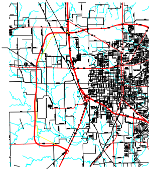
END PROJECT
STA 528+51.11
CSJ: 2250–02–013
END CSJ: 2250–02–014
BEGIN CSJ: 2250–02–013
STA 381+33.20
BEGIN PROJECT
STA 101+48.93
CSJ: 2250–02–014

LOCATION MAP

MAY 2020
SCALE: 1"=100' H, 1"= 10' V
ROLL 15 OF 15

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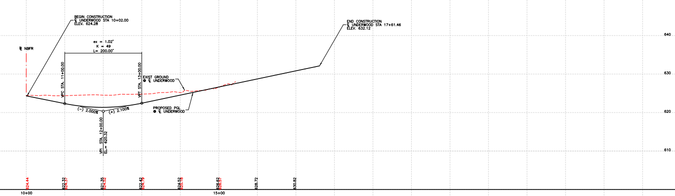
THOMAS COCHILL P.E. NO. 87665

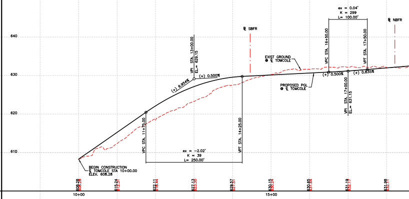
CP&Y

UN
640
630
620
610
PROP ELEV
EXIST ELEV
JOH
650
640
630
620
610
PROP ELEV
EXIST ELEV
FM
650
640
630
620
PROP ELEV
EXIST ELEV

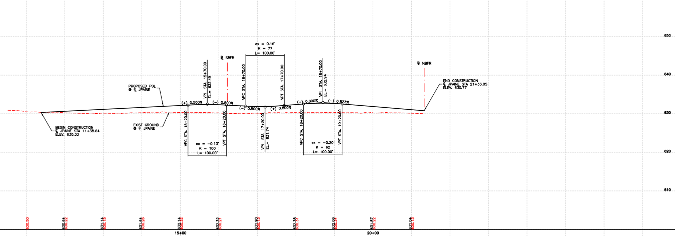
DERWOOD RD


BEGIN CONSTRUCTION
℄ UNDERWOOD STA 10+02.00
ELEV. 624.28
END CONSTRUCTION
℄ UNDERWOOD STA 17+61.46
ELEV. 632.12
℄ NBFR
ex = 1.02'
K = 49
L= 200.00'
VPC STA. 11+00.00
VPT STA. 13+00.00
VPI STA. 12+00.00
EL.= 620.32
(−) 2.000%
(+) 2.100%
EXIST GROUND
● ℄ UNDERWOOD
PROPOSED PGL
● ℄ UNDERWOOD
640
630
620
610
624.44
622.32
624.37
621.35
624.52
622.42
624.79
624.52
625.18
626.62
626.57
628.72
630.82
10+00
15+00

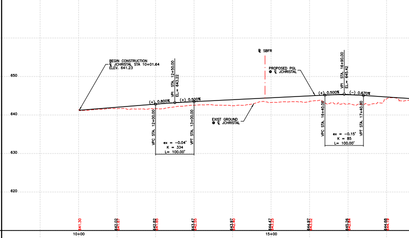
TOM COLE RD


640
630
620
610
℄ SBFR
℄ NBFR
ex = 0.04'
K = 299
L= 100.00'
VPI STA. 13+00.00
EL.= 629.15
(+) 6.954%
(+) 0.500%
EXIST GROUND
● ℄ TOMCOLE
PROPOSED PGL
● ℄ TOMCOLE
VPC STA. 16+50.00
VPT STA. 17+50.00
(+) 0.500%
(+) 0.835%
VPI STA. 17+00.00
EL.= 631.15
VPC STA. 11+75.00
VPT STA. 14+25.00
ex = −2.02'
K = 39
L= 250.00'
BEGIN CONSTRUCTION
℄ TOMCOLE STA 10+00.00
ELEV. 608.28
608.28
608.28
615.24
612.31
622.11
618.44
627.13
623.30
629.57
627.51
630.15
630.24
630.65
631.64
631.19
632.17
631.98
632.11
10+00
15+00

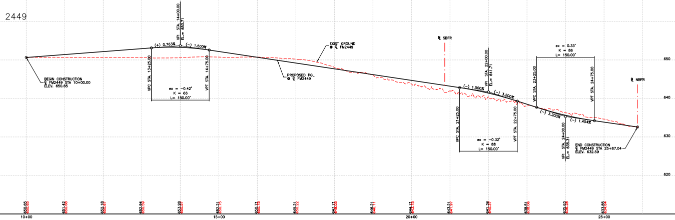
HN PAINE RD


650
640
630
620
610
ex = 0.16'
K = 77
L= 100.00'
℄ SBFR
℄ NBFR
VPI STA. 15+70.00
EL.= 632.49
VPC STA. 16+70.00
VPT STA. 17+70.00
VPI STA. 18+70.00
EL.= 632.94
PROPOSED PGL
● ℄ JPAINE
END CONSTRUCTION
℄ JPAINE STA 21+33.05
ELEV. 630.77
(+) 0.500%
(−) 0.500%
(−) 0.500%
(+) 0.800%
(+) 0.800%
(−) 0.823%
BEGIN CONSTRUCTION
℄ JPAINE STA 11+38.64
ELEV. 630.33
EXIST GROUND
● ℄ JPAINE
VPC STA. 15+20.00
VPT STA. 16+20.00
ex = −0.13'
K = 100
L= 100.00'
VPI STA. 17+20.00
EL.= 631.74
VPC STA. 18+20.00
VPT STA. 19+20.00
ex = −0.20'
K = 62
L= 100.00'
630.50
630.64
630.22
631.14
630.15
631.64
630.26
632.14
630.32
632.32
630.21
631.90
630.13
632.38
630.31
632.66
630.34
631.87
630.22
631.04
630.13
15+00
20+00

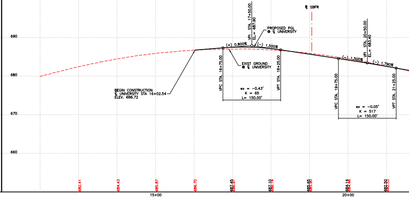
JIM CHRISTAL RD

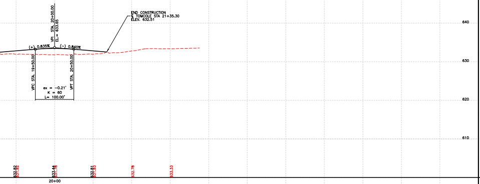

650
640
630
620
℄ SBFR
BEGIN CONSTRUCTION
℄ JCHRISTAL STA 10+01.64
ELEV. 641.23
VPI STA. 12+50.00
EL.= 643.22
PROPOSED PGL
● ℄ JCHRISTAL
VPI STA. 16+90.00
EL.= 645.42
(+) 0.800%
(+) 0.500%
(+) 0.500%
(−) 0.670%
EXIST GROUND
● ℄ JCHRISTAL
VPC STA. 12+00.00
VPT STA. 13+00.00
ex = −0.04'
K = 334
L= 100.00'
VPC STA. 16+40.00
VPT STA. 17+40.00
ex = −0.15'
K = 85
L= 100.00'
641.30
642.02
641.67
642.82
641.65
643.47
642.55
643.97
642.40
644.47
643.25
644.97
643.52
645.26
642.84
644.68
644.19
10+00
15+00

2449

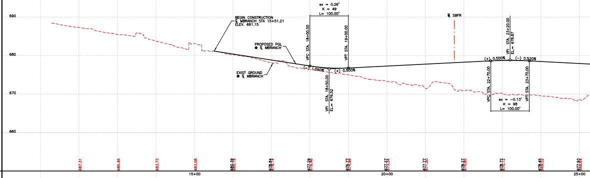

VPI STA. 14+00.00
EL.= 653.71
(+) 0.763%
(−) 1.500%
EXIST GROUND
● ℄ FM2449
℄ SBFR
℄ NBFR
ex = 0.33'
K = 86
L= 150.00'
BEGIN CONSTRUCTION
℄ FM2449 STA 10+00.00
ELEV. 650.65
VPC STA. 13+25.00
VPT STA. 14+75.00
ex = −0.42'
K = 66
L= 150.00'
PROPOSED PGL
● ℄ FM2449
VPI STA. 22+00.00
EL.= 641.71
(−) 1.500%
(−) 3.200%
(−) 3.200%
(−) 1.454%
VPC STA. 23+25.00
VPT STA. 24+75.00
VPC STA. 21+25.00
VPT STA. 22+75.00
ex = −0.32'
K = 88
L= 150.00'
VPI STA. 24+00.00
EL.= 635.31
END CONSTRUCTION
℄ FM2449 STA 25+87.04
ELEV. 632.59
650
640
630
620
650.65
650.65
651.42
650.68
652.18
650.67
652.94
650.59
653.28
650.57
652.21
650.75
650.71
650.75
649.21
650.22
647.71
648.05
646.21
646.11
644.71
643.75
643.21
641.97
641.39
640.37
638.51
638.06
635.63
636.28
633.85
634.64
10+00
15+00
20+00
25+00

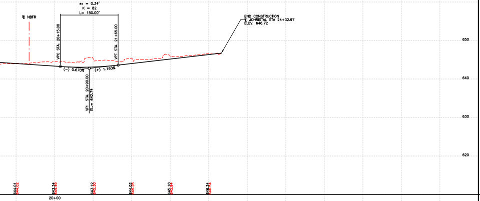
W UNIVERSITY DR/US 380


690
680
670
660
VPI STA. 17+50.00
EL.= 687.90
PROPOSED PGL
● ℄ UNIVERSITY
℄ SBFR
(+) 0.800%
(−) 1.500%
VPI STA. 20+50.00
EL.= 683.40
(−) 1.500%
(−) 1.790%
EXIST GROUND
● ℄ UNIVERSITY
BEGIN CONSTRUCTION
℄ UNIVERSITY STA 16+02.54
ELEV. 686.72
VPC STA. 16+75.00
VPT STA. 18+25.00
ex = −0.43'
K = 65
L= 150.00'
VPC STA. 19+75.00
VPT STA. 21+25.00
ex = −0.05'
K = 517
L= 150.00'
682.41
684.43
685.87
686.70
687.45
686.97
687.10
686.74
685.65
685.90
684.14
684.46
682.50
682.53
15+00
20+00

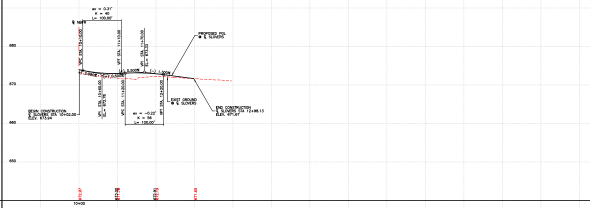

END CONSTRUCTION
℄ TOMCOLE STA 21+35.30
ELEV. 632.51
VPI STA. 20+00.00
EL.= 633.65
(+) 0.835%
(−) 0.840%
VPC STA. 19+50.00
VPT STA. 20+50.00
ex = −0.21'
K = 60
L= 100.00'
640
630
620
610
632.82
631.92
633.44
631.78
632.81
631.93
632.78
633.33
20+00

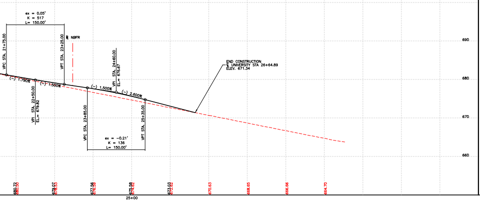
MASCH BRANCH DR


690
680
670
660
BEGIN CONSTRUCTION
℄ MBRANCH STA 15+51.21
ELEV. 681.15
PROPOSED PGL
● ℄ MBRANCH
EXIST GROUND
● ℄ MBRANCH
ex = 0.26'
K = 49
L= 100.00'
VPC STA. 18+00.00
VPT STA. 19+00.00
VPI STA. 18+50.00
EL.= 676.52
(−) 1.550%
(+) 0.500%
℄ SBFR
VPI STA. 23+20.00
EL.= 678.87
(+) 0.500%
(−) 0.520%
VPC STA. 22+70.00
VPT STA. 23+70.00
ex = −0.13'
K = 98
L= 100.00'
687.31
685.45
683.73
683.08
680.39
678.84
677.29
676.77
677.27
677.77
678.27
678.72
670.12
678.45
677.93
15+00
20+00
25+00

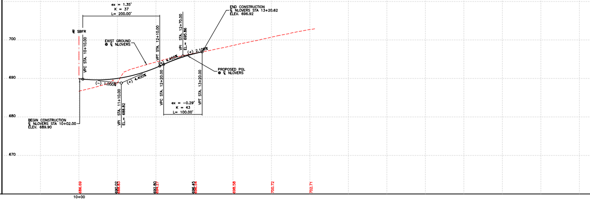

℄ NBFR
ex = 0.34'
K = 82
L= 150.00'
VPC STA. 20+15.00
VPT STA. 21+65.00
(−) 0.670%
(+) 1.160%
VPI STA. 20+90.00
EL.= 642.74
END CONSTRUCTION
℄ JCHRISTAL STA 24+32.97
ELEV. 646.72
650
640
630
620
644.01
644.02
643.34
644.49
643.12
645.30
644.02
645.25
645.18
645.94
646.34
646.54
20+00

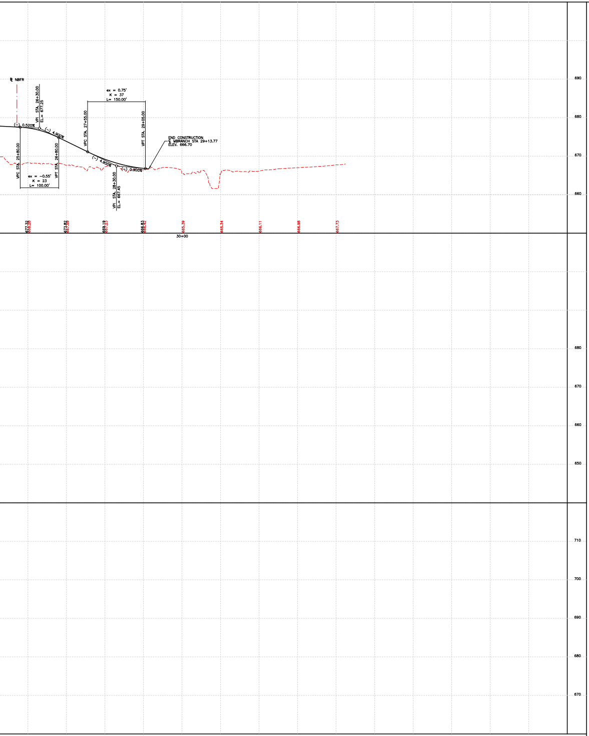
S LOVERS LANE RD


680
670
660
650
ex = 0.31'
K = 40
L= 100.00'
℄ NBFR
VPC STA. 10+10.00
VPT STA. 11+10.00
VPI STA. 11+70.00
EL.= 673.33
(−) 2.000%
(+) 0.500%
(+) 0.500%
(−) 1.300%
PROPOSED PGL
● ℄ SLOVERS
VPI STA. 10+60.00
EL.= 672.78
VPC STA. 11+20.00
VPT STA. 12+20.00
ex = −0.22'
K = 56
L= 100.00'
EXIST GROUND
● ℄ SLOVERS
BEGIN CONSTRUCTION
℄ SLOVERS STA 10+02.00
ELEV. 673.94
END CONSTRUCTION
℄ SLOVERS STA 12+98.13
ELEV. 671.67
672.97
673.00
671.78
672.91
672.19
671.65
10+00


ex = 0.05'
K = 517
L= 150.00'
VPC STA. 21+75.00
VPT STA. 23+25.00
℄ NBFR
(−) 1.790%
(−) 1.500%
(−) 1.500%
(−) 2.600%
VPI STA. 22+50.00
EL.= 679.82
VPI STA. 24+60.00
EL.= 676.67
VPC STA. 23+85.00
VPT STA. 25+35.00
ex = −0.21'
K = 136
L= 150.00'
END CONSTRUCTION
℄ UNIVERSITY STA 26+64.89
ELEV. 671.34
690
680
670
660
680.72
680.50
679.07
678.53
677.56
676.59
675.58
674.62
673.03
672.62
670.63
668.65
666.66
664.70
25+00

N LOVERS LANE RD


ex = 1.35'
K = 37
L= 200.00'
℄ SBFR
VPC STA. 10+10.00
EXIST GROUND
● ℄ NLOVERS
VPT STA. 12+10.00
VPI STA. 12+70.00
EL.= 695.86
END CONSTRUCTION
℄ NLOVERS STA 13+20.62
ELEV. 696.92
(−) 1.000%
(+) 4.400%
(+) 4.400%
(+) 2.108%
PROPOSED PGL
● ℄ NLOVERS
VPI STA. 11+10.00
EL.= 688.82
VPC STA. 12+20.00
VPT STA. 13+20.00
ex = −0.29'
K = 43
L= 100.00'
BEGIN CONSTRUCTION
℄ NLOVERS STA 10+02.00
ELEV. 689.90
700
690
680
670
686.69
690.02
688.83
692.80
694.27
696.45
696.54
698.58
700.72
702.71
10+00


℄ NBFR
VPI STA. 26+30.00
EL.= 677.25
(–) 0.520%
(–) 4.900%
VPC STA. 25+80.00
VPT STA. 26+80.00
ex = –0.55'
K = 23
L= 100.00'
ex = 0.75'
K = 37
L= 150.00'
VPC STA. 27+55.00
VPT STA. 29+05.00
(–) 4.900%
(–) 0.900%
VPI STA. 28+30.00
EL.= 667.45
END CONSTRUCTION
℄ MBRANCH STA 29+13.77
ELEV. 666.70
677.32
666.28
673.82
667.59
669.19
667.23
666.83
666.42
665.39
665.34
666.11
666.98
667.73
30+00
690
680
670
660
680
670
660
650
710
700
690
680
670

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED BUR, P.E., DISTRICT ENGINEER

DENTON COUNTY
SL 288

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TO I.H. 35
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2250-02-014

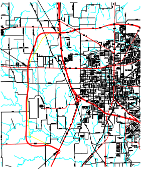
FUNCTIONAL CLASS: URBAN ARTERIAL

DESIGN SPEED: 45 mph FRONTAGE ROADS
30 mph CROSS STREETS

PROJECT LENGTH = 47,520 FT = 9.0 MILES

END PROJECT
STA 528+51.11
CSJ: 2250-02-013

END CSJ: 2250-02-014
BEGIN CSJ: 2250-02-013
STA 381+33.20



BEGIN PROJECT
STA 101+48.93
CSJ: 2250-02-014

LOCATION MAP

MAY 2020
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ROLL 15 OF 15

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