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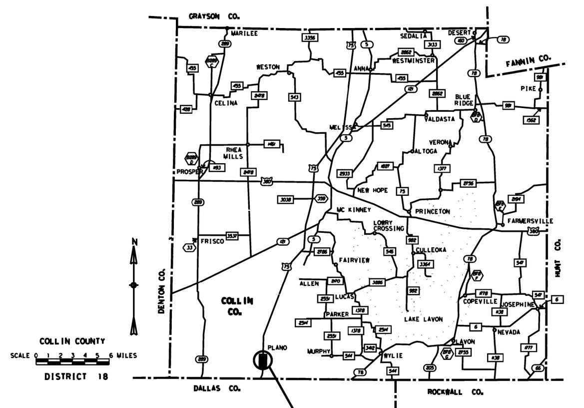
DALLAS DISTRICT
DESIGN SCHEMATIC
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

US 75
FROM: PGBT
TO: PARK BLVD
COLLIN COUNTY
CSJ: 0047-06-133

FUNCTIONAL CLASS: URBAN FREEWAY
PROJECT LENGTH: 1.26 MILES
DESIGN SPEED: MAINLANES 60 MPH
RAMPS 40 MPH
COLLECTORS 40 MPH
FRONTAGE ROADS 40 MPH
CROSS STREETS 35 MPH

AVERAGE DAILY TRAFFIC 2004 - 2030 = 221,263 - 256,581
SOURCE: NORTH TEXAS COUNCIL OF GOVERNMENTS



NOVEMBER 2012

ROLL 1 OF 7

PRESIDENT GEORGE BUSH TO COLLECTOR
COLLECTOR
COLLECTOR TO NORTH BOUND US 75
NORTH BOUND US 75
ENTRANCE FROM PLANO PARKWAY
NORTH BOUND US 75 EXIT
TO PARK STREET

TranSystems
TEXAS REGISTERED ENGINEERING FIRM F-3557

PREPARED BY:
TRANSYSTEMS
3030 LBJ FREEWAY - STE. 900
DALLAS - TEXAS 75234
PHONE: (972) 280-9300
FAX: (972) 280-9715

LEGEND

- = PROPOSED RAMP CONSTRUCTION
- = PROPOSED MAINLANE CONSTRUCTION
- = PROPOSED COLLECTOR CONSTRUCTION
- = PROPOSED FRONTAGE ROAD CONSTRUCTION
- = PROPOSED BRIDGE CONSTRUCTION
- = PROPOSED SIDEWALK CONSTRUCTION
- = PROPOSED PLANO PKWY CONSTRUCTION
- = PROPOSED RETAINING WALL
- = EXISTING RIGHT OF WAY
- = CONTROL OF ACCESS (SEE NOTE 2)
- = EXISTING TRAFFIC
- = PROPOSED TRAFFIC

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ROLL 1 PGBT-COLL, COLL, COLL-75NB, NBMLENT, PARK
ROLL 2 TYPICAL SECTIONS FOR ROLL 1
ROLL 3 NBFR, SBFR
ROLL 4 US 75 SBML, 75SB-PGBT, PPEXT, PPENT
ROLL 5 PLANO PKWY, DART RAIL
ROLL 6 LARGE SIGN LAYOUT
ROLL 7 EXISTING PROFILES

SCHEMATIC PREPARED BY:
MICHAEL F. BROWN
PROJECT MANAGER
80160 11/15/2012
P.E. NUMBER DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

11/15/2012 7:48:38 AM G:\DL06\0008\Road\Schematic\C-SCH-101-ML-NBRP.dgn

PRELIMINARY DESIGN
SUBJECT TO CHANGE WITHOUT NOTICE

SUPERELEVATION TABLE

STATION	CROSS SLOPE
BL NB	
568+20	NORMAL CROWN
577+20	4.10% DN LT
579+00	4.10% DN LT
588+00	NORMAL CROWN
602+00	NORMAL CROWN
606+50	NORMAL CROWN
607+80	2.90% DN LT
617+20	2.90% DN LT
618+50	NORMAL CROWN
624+80	NORMAL CROWN
626+10	2.90% DN RT
655+22	2.90% DN RT
PROPOSED PGBT-COLL	
574+19	4.10% DN LT
577+00	2.00% DN RT
PROPOSED PARK	
633+73	2.80% DN RT
635+61	2.80% DN RT

NOTE:
1. ALL PLAN VIEW STATIONS REFERENCE TO ℄ US 75 UNLESS OTHERWISE NOTED.
2. FUTURE ACCESS GOVERNED BY TxDOT ACCESS MANAGEMENT AND ROADWAY DESIGN MANUALS (ALL LOCATIONS)

TRAFFIC DIAGRAM

HORIZONTAL CONTROL DATA

CONTROL POINT	STATION	NORTHING	EASTING	DELTA	BEARING	TANGENT	LENGTH	RADIUS
US 75 (BL)								
BL1	555+00.29	7,052,668.77	2,517,976.21		N 5° 51' 45" E			
PC	574+36.12	7,054,594.48	2,518,173.94					
PI (BL-1)	577+79.89	7,054,936.44	2,518,209.05	10°17' 05.63" LT		343.76	685.68	3,819.83
PT	581+21.80	7,055,279.18	2,518,182.54		N 4° 25' 21" W		2,616.40	
PC	607+38.20	7,057,887.79	2,517,980.79					
PI (BL-2)	612+50.49	7,058,398.56	2,517,941.29	10°13' 06.76" LT		512.29	1,021.87	5,729.65
PT	617+60.07	7,058,894.22	2,517,811.80		N 14° 38' 28" W		802.92	
PC	625+62.99	7,059,671.07	2,517,608.85					
PI (BL-3)	645+24.06	7,061,568.45	2,517,113.17	37°47'20.65" RT		1,961.06	3,778.91	5,729.58
PT	663+41.90	7,063,371.63	2,517,884.08		N 23°08'53" W		1,620.79	
BL2	679+62.69	7,064,861.94	2,518,521.23					
ENT FROM PLANO PARKWAY (NBMLENT)								
PI (NBMLENT R-1)	608+49.04	7,058,005.38	2,518,069.52	4°29'55" RT		98.04	195.97	2,496.00
PT	609+46.97	7,058,102.79	2,518,058.47		N 6°25'18" W			
PC	607+51.00	7,057,909.13	2,518,088.18					
PI (NBMLENT R-2)	610+06.93	7,058,162.36	2,518,051.71	1°10'44" LT		59.96	119.91	5,827.40
PT	610+66.88	7,058,221.79	2,518,043.73		N 7°39'02" W			
PC	609+46.97	7,058,102.79	2,518,058.47					
PI (NBMLENT R-3)	612+02.91	7,058,356.60	2,518,025.62	6°12'59" LT		136.03	271.79	2,505.00
PT	613+38.67	7,058,221.79	2,517,993.02		N 13°52'01" W			
PC	610+66.88	7,058,488.67	2,518,043.73					
PI (NBMLENT R-4)	613+92.78	7,058,541.20	2,517,980.05	2°28'47" RT		54.11	108.13	2,500.00
PT	614+46.86	7,058,594.24	2,517,993.02		N 11°23'15" W			
PC	613+38.67	7,058,488.67	2,517,969.37					
PI (NBMLENT R-5)	616+12.03	7,058,756.15	2,517,936.76	3°15'13" LT		165.17	330.24	5,815.65
PT	617+77.11	7,058,915.95	2,517,895.01		N 14°38'28" E			
PC	614+46.86	7,058,594.24	2,517,969.37					
EXIT TO PARK (PARK)								
PARK REV-1	623+73.00	7,059,505.24	2,517,725.72		N 14°38'28" W			
PI (PARK REV-1)	628+43.99	7,059,960.94	2,517,606.67	10°01'12.31" RT		351.59	701.39	4,010.60
PT	631+93.79	7,060,311.39	2,517,578.35		N 4°37'15" W			
PC	624+92.40	7,059,620.76	2,517,695.54					
PI (PARK REV-2)	632+68.07	7,060,385.43	2,517,572.37	2°06'54.45" LT		74.28	148.55	4,024.00
PT	633+42.34	7,060,459.20	2,517,563.65		N 6°44'10" W			
PC	631+93.79	7,060,311.39	2,517,578.35					
PI (PARK REV-3)	633+96.92	7,060,513.40	2,517,557.25	1°06'41" RT		54.58	109.16	5,627.58
PT	634+51.49	7,060,567.72	2,517,551.90		N 5°37'29" W			
PC	633+42.34	7,060,459.20	2,517,563.65					
PI (PARK REV-4)	636+62.50	7,060,777.70	2,517,531.22	9°38'56" RT		211.00	421.01	2,500.00
PT	638+72.50	7,060,988.19	2,517,546.03		N 4°01'27" E			
PC	634+51.49	7,060,567.72	2,517,551.90					
PI (PARK REV-5)	639+53.59	7,061,069.08	2,517,551.72	3°42'56" LT		81.09	162.12	2,500.00

HORIZONTAL CONTROL DATA

CONTROL POINT	STATION	NORTHING	EASTING	DELTA	BEARING	TANGENT	LENGTH	RADIUS
EXIT TO PARK (PARK) (CONTINUED)								
PT	640+34.63	7,061,150.17	2,517,552.15		N 0°18'31" E			
PC	638+72.50	7,060,988.19	2,517,546.03					
PI (PARK REV-6)	644+49.60	7,061,565.13	2,517,554.39	8°29'33" RT		414.97	828.42	5,589.00
PT	648+63.04	7,061,975.21	2,517,617.88		N 8°48'04" E			
NB COLLECTOR UNDER RR & PLANO PKWY (COLL)								
PC	571+40.97	7,054,407.95	2,518,374.11					
PI (COLL-MS-7)	572+71.01	7,054,277.95	2,518,370.90	5°11'53.14" LT		130.04	259.90	2,864.79
PT	574+00.87	7,054,537.71	2,518,365.52		N 3°47'05" W		286.81	
PC	576+87.69	7,054,823.90	2,518,346.59					
PI (COLL-MS-1)	577+10.01	7,054,846.17	2,518,345.12	0°38'15.96" LT		22.32	44.64	4,010.00
PT	577+32.33	7,054,868.42	2,518,343.40		N 4°25'21" W		682.80	
PC	584+15.13	7,055,549.19	2,518,290.75					
PI (COLL-MS-2)	584+43.13	7,055,577.10	2,518,288.59	0°48'00.40" LT		28.00	56.00	4,010.00
PT	584+71.13	7,055,604.99	2,518,286.04		N 5°13'21" W		244.77	
PC	587+15.90	7,055,848.74	2,518,263.76					
PI (COLL-MS-3)	587+43.90	7,055,876.63	2,518,261.21	0°48'00.40" RT		28.00	56.00	4,010.00
PT	587+71.90	7,055,904.54	2,518,259.05				198.02	
PC	589+69.92	7,056,101.97	2,518,243.78					
PI (COLL-MS-4)	590+31.06	7,056,162.93	2,518,239.07	1°44'49.28" RT		61.14	122.27	4,010.00
PT	590+92.19	7,056,224.00	2,518,236.21		N 2°40'32" W		362.43	
PC	592+94.62	7,056,426.21	2,518,226.76					
PI (COLL-MS-5)	593+71.70	7,056,503.21	2,518,223.16	2°12'08.69" LT		77.08	154.14	4,010.00
PT	594+48.76	7,056,580.01	2,518,216.61		N 4°52'40" W		262.72	
PC	597+11.49	7,056,841.78	2,518,194.27					
PI (COLL-MS-6)	597+40.95	7,056,871.14	2,518,191.77	0°50'31.29" RT		29.47	58.93	4,010.00
PT	597+70.42	7,056,900.53	2,518,189.69		N 4°02'09" W		305.09	
PC	600+75.50	7,057,204.86	2,518,168.22					
PI (COLL-MS-7)	600+98.42	7,057,227.72	2,518,166.61	0°39'17.31" LT		22.91	45.83	4,010.00
PT	601+21.33	7,057,250.56	2,518,164.73		N 4°41'26" W			
NB COLLECTOR ENTRANCE TO NB US 75 MAINLANES (COLL-75NB)								
1350	591+01.45	7,056,264.05	2,518,212.32		N 6°20'24" W			
PC	596+35.81	7,056,795.15	2,518,153.31					
PI (COLL 75NB-MS-1)	597+77.69	7,056,936.16	2,518,137.64	1°55'03.15" RT		141.88	283.74	8,478.00
PT	599+19.55	7,057,077.62	2,518,126.70		N 4°25'21" W			
WB PGBT TO NB US 75 COLLECTOR (PGBT-COLL)								
1320	572+50.00	7,054,391.73	2,518,326.28		N 2°21'10" W			
PC	573+48.95	7,054,490.60	2,518,322.22					
PI (PGBT COLL-MS-1)	574+63.12	7,054,604.68	2,518,317.53	3°15'42.15" RT		114.17	228.28	4,010.00
PT	575+77.23	7,054,718.83	2,518,319.34		N 0°54'32" E		77.19	
PC	576+54.42	7,054,796.01	2,518,320.56					
PI (PGBT COLL-MS-2)	578+41.12	7,054,982.69	2,518,323.53	5°19'52.94" LT		186.70	373.13	4,010.00
PT	580+27.55	7,055,168.83	2,514,311.07		N 4°25'21" W		244.77	

PRELIMINARY DESIGN
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DALLAS DISTRICT
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DISTRICT ENGINEER
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PROJECT AREA
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NOVEMBER 2012
ROLL 1 OF 7
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COLLECTOR TO NORTH BOUND US 75
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ENTRANCE FROM PLANO PARKWAY
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3030 LBJ FREEWAY - STE. 900
DALLAS - TEXAS 75234
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