TEXAS DEPARTMENT OF TRANSPORTATION

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

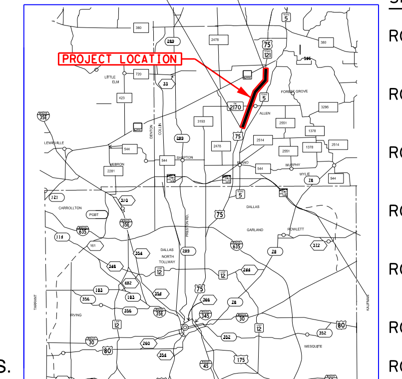
DESIGN SCHEMATIC
US 75

FROM: SPRING CREEK PARKWAY
TO: SH 121 (SAM RAYBURN TOLLWAY)

CSJ: 0047-06-139
PROJECT LENGTH: 6.51 MILES

ROADWAY TYPE	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
MAINLANES	55 MPH	URBAN FREEWAY
RAMPS	40 MPH	URBAN FREEWAY
LOOP RAMPS	20 MPH	URBAN COLLECTOR
FRONTAGE ROADS	40 MPH	URBAN COLLECTOR

COLLIN COUNTY
AUGUST 13, 2012
ROLL 2 OF 7



N.T.S.

SHEET INDEX

ROLL 1: US 75 MAINLANES
BEGIN PROJECT TO STA 840+00
ROLL 2: US 75 MAINLANES
STA 840+00 TO STA 920+00
ROLL 3: US 75 MAINLANES
STA 920+00 TO STA 999+00
ROLL 4: US 75 MAINLANES
STA 999+00 TO STA 1065+00
ROLL 5: US 75 MAINLANES
STA 1065+00 TO END PROJECT
ROLL 6: RAMP PROFILES
ROLL 7: RAMP PROFILES
FRONTAGE ROAD PROFILES

JACOBS
PREPARED BY JACOBS ENGINEERING GROUP, INC.
REGISTRATION F-2966
UNDER THE SUPERVISION OF
SPENTA F. IRANI, P.E.

LICENSE NO. 81977

0 100 200 300 HORIZONTAL
0 10 20 30 VERTICAL
GRAPHIC SCALES IN FEET

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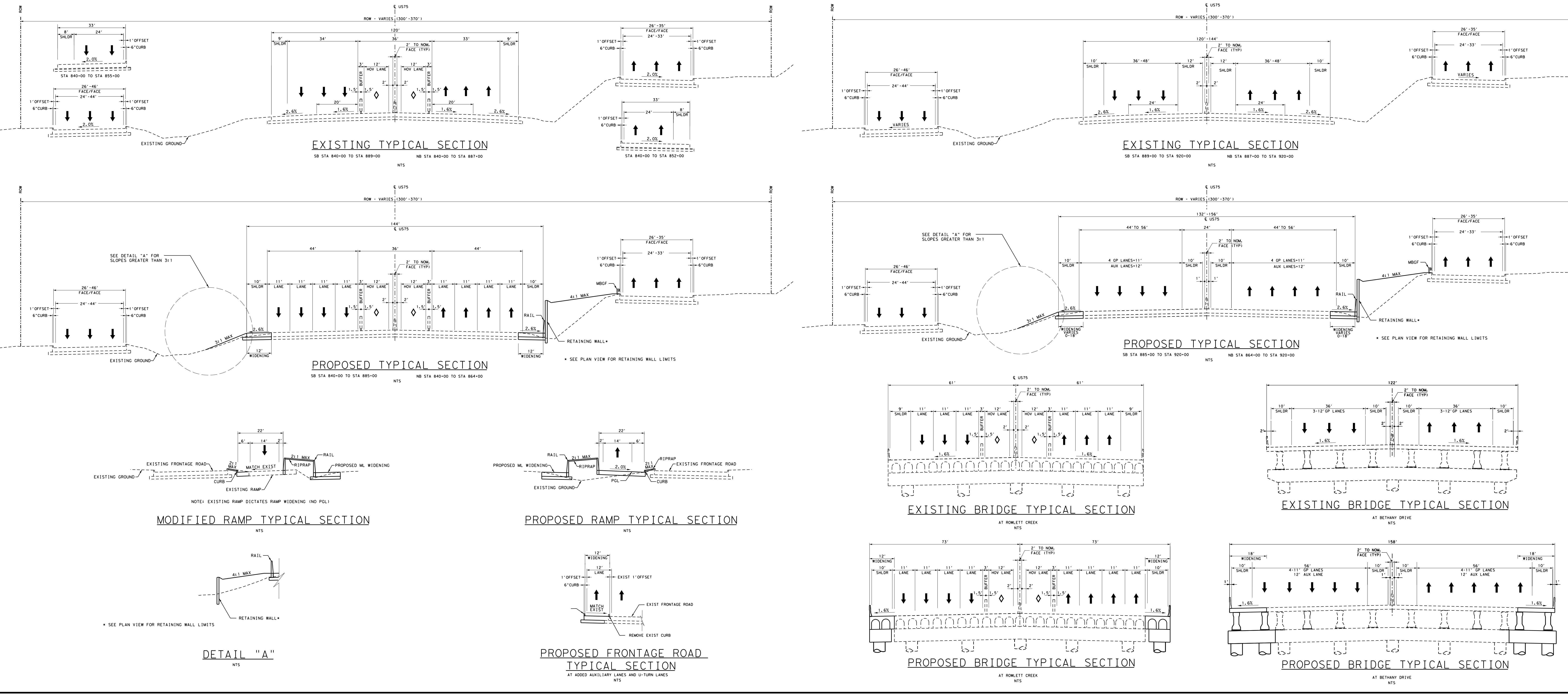
US 75: SPRING CREEK PKWY TO: SH 121 (SAM RAYBURN TOLLWAY) FILE: P:\WFXL5800 - US75\700CADD\720misc\Schematic\US75-SCHM_02.dgn DATE: 8/14/2012 TIME: 11:04:49 AM

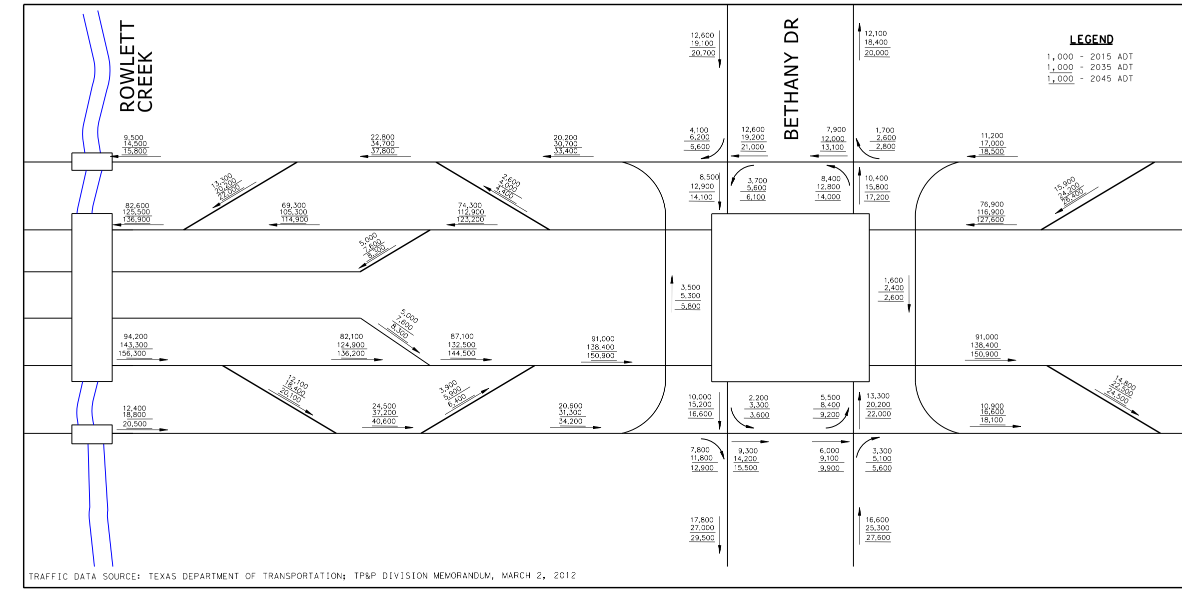
Legend:

PROPOSED MAINL…
PROPOSED RAMPS
PROPOSED FRONT…
PROPOSED BRIDG…
EXISTING PAVEM…
EXISTING R.O.W.
EXISTING PROPE…
EXISTING DRAIN…
CITY LIMITS
CREEK FLOW LIN…
EXISTING CULVE…
EXISTING BRIDG…
PROPOSED BRIDG…
PROPOSED LANE…
PROPOSED RETAIN…
PROPOSED NOISE…
BASELINE NAME (CL170)
CURVE NAME (75NLEG-3)
PROPERTY OWNER (XX)

Utility Legend

OH ELECTRIC — OE1
OH ELEC/FIBER OPTIC — OE1/FOC2/FOC10
OH ELEC/FIBER OPTIC — OE1/FOC4
ELECTRIC — E1 (D)
ELECTRIC — E2 (D)
ELECTRIC — E3 (D)
TRAFFIC SIGNAL — TS1 (D)
CTV — CTV1 (D)
TELEPHONE — T1 (D)
TELEPHONE — T2 (D)
TELEPHONE — T-DUCT1 (D)
TELEPHONE — T-DUCT2 (D)
FIBER OPTIC — FOC1 (D)
FIBER OPTIC — FOC2 (D)
FIBER OPTIC — FOC3 (D)
FIBER OPTIC — FOC4 (D)
FIBER OPTIC — FOC5 (D)
FIBER OPTIC — FOC6 (D)
FIBER OPTIC — FOC7 (D)
FIBER OPTIC — FOC8 (D)
FIBER OPTIC — FOC9 (D)
FIBER OPTIC — FOC10 (D)
GAS — G1 (D)
GAS — G2 (D)
WATER — W1 (D)
WATER — W2 (D)
WASTE WATER — WW1 (D)
WASTE WATER — WW2 (D)

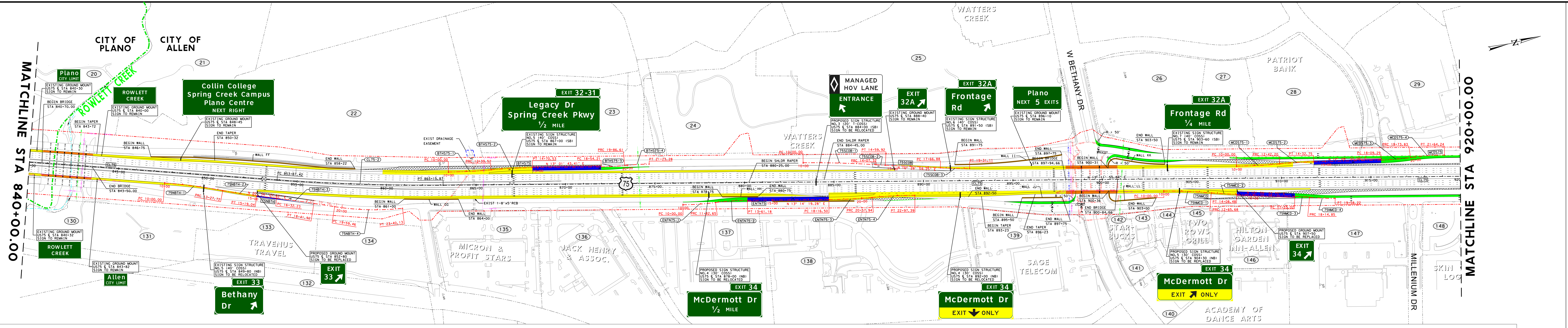


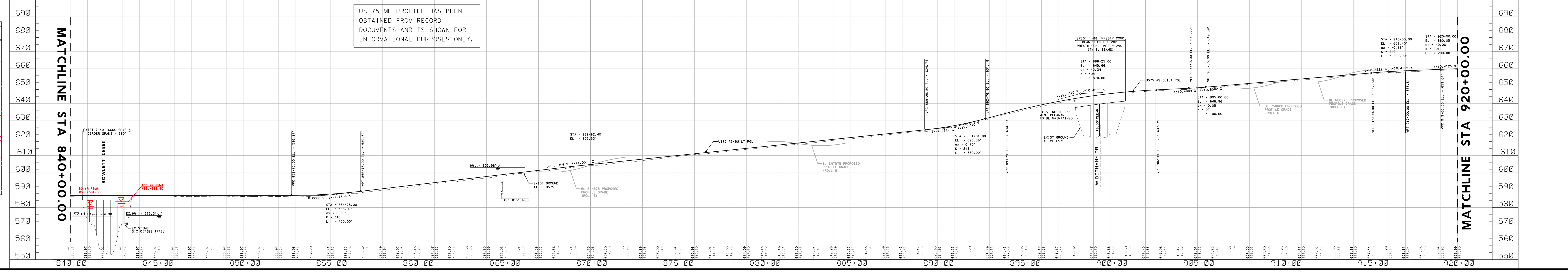
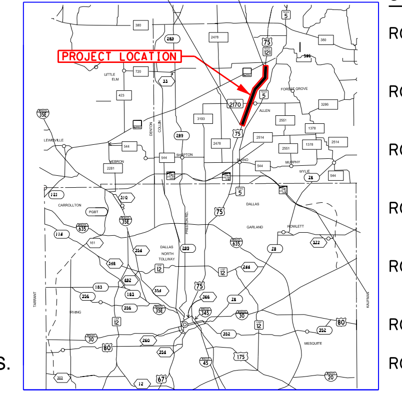


PROPERTY OWNERSHIP COLLIN COUNTY	
PARCEL	OWNER
20	ALLEN CITY OF
21	ALLEN CITY OF
22	WRETCHED LAND LP
23	COVENTRY II DDR/TRADEMARK MONTGOMERY FARM L
24	COVENTRY II DDR/TRADEMARK MONTGOMERY FARM L
25	COVENTRY II DDR/TRADEMARK MONTGOMERY FARM L
26	ALLEN ECONOMIC DEVELOPMENT CORP
27	ALLEN ECONOMIC DEVELOPMENT CORP
28	DUKE CONSTRUCTION LP
29	NEW CINGULAR WIRELESS HEADQUARTERS LLC
130	ALLEN PARKS FOUNDATION
131	ALLEN CITY OF
132	DALLAS AREA RAPID TRANSIT
133	1301 SCE LLC
134	1101 SCE LLC
135	JACK HENRY & ASSOCIATES INC
136	HENRY JACK & ASSOCIATES INC
137	LEXINGTON ALLEN LP
138	LEXINGTON ALLEN LP
139	AFP ASSOCIATES LTD
140	BETHANY CROSSING LTD
141	BETHANY CROSSING LTD
142	MIMAKI PROPERTIES LTD
143	ROSENBLUM 1994 TRUST
144	NICOLAISEN ARTHUR & MARY &
145	KPM VENTURES LTD
146	APPLE NINE SPE ALLEN INC
147	PHOTRONICS TEXAS II LP
148	FINISTAR (CA-TX) LTD PTRS

ALIGNMENT DATA

NUM	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
CL75	US 75									
CL75-1	5° 18′ 53.85" LT	0° 30′ 00.00"	531.88′	1,062.99′	11,459.16′	779+17.10	7,074,128.39	2,522,473.83	773+85.22	784+48.21
CL75-2	4° 38′ 32.06" LT	0° 30′ 00.00"	464.48′	928.45′	11,459.16′	858+51.90	7,081,682.34	2,524,905.12	853+87.42	863+15.87
CL75-3	6° 31′ 49.31" RT	0° 30′ 00.00"	653.74′	1,306.07′	11,459.16′	943+85.20	7,089,990.71	2,526,853.65	937+31.45	950+37.53
CL75-4	6° 19′ 57.26" RT	0° 30′ 00.00"	633.90′	1,266.51′	11,459.16′	971+76.46	7,092,619.45	2,527,796.39	965+42.55	978+09.07
CL75-5	10° 58′ 27.17" RT	0° 30′ 00.00"	1,100.79′	2,194.84′	11,459.16′	1021+98.87	7,097,132.35	2,530,003.50	1010+98.08	1032+92.93
CL75-6	21° 55′ 29.88" LT	1° 00′ 00.00"	1,109.82′	2,192.50′	5,729.58′	1091+08.91	7,102,653.72	2,534,169.59	1079+99.09	1101+91.58
CL75-7	1° 30′ 07.24" RT	0° 30′ 00.00"	150.21′	300.40′	11,459.16′	1128+01.07	7,106,244.42	2,535,139.18	1126+50.86	1129+51.26
75NBTH	US 75 NORTH BOUND to BETHANY DRIVE RAMP									
75NBTH-1	6° 33′ 13.83" RT	1° 59′ 59.47"	164.04′	327.72′	2,865.00′	11+64.04	7,080,781.84	2,524,680.42	10+00.00	13+27.72
75NBTH-2	3° 49′ 34.11" LT	1° 59′ 59.47"	95.70′	191.32′	2,865.00′	14+23.41	7,081,018.39	2,524,787.69	13+27.72	15+19.04
75NBTH-3	2° 05′ 48.55" RT	0° 59′ 59.73"	104.86′	209.70′	5,730.00′	17+37.09	7,081,312.13	2,524,897.92	16+32.23	18+41.92
75NBTH-4	15° 13′ 36.27" LT	3° 59′ 59.94"	191.46′	380.67′	1,432.40′	21+50.92	7,081,694.03	2,525,057.40	19+59.46	23+40.13
BTHS75	BETHANY DRIVE to US 75 SOUTH BOUND RAMP									
BTHS75-1	4° 47′ 24.07" LT	1° 59′ 59.47"	119.83′	239.52′	2,865.00′	11+19.83	7,082,297.33	2,524,973.34	10+00.00	12+39.52
BTHS75-2	4° 37′ 11.64" RT	1° 59′ 59.47"	115.57′	231.01′	2,865.00′	13+55.09	7,082,530.20	2,525,007.76	12+39.52	14+70.53
BTHS75-3	5° 17′ 11.56" LT	3° 59′ 33.85"	66.25′	132.40′	1,435.00′	19+20.46	7,083,081.14	2,525,135.25	18+54.21	19+86.61
BTHS75-4	5° 27′ 23.99" RT	3° 59′ 33.85"	68.38′	136.66′	1,435.00′	20+55.00	7,083,214.54	2,525,153.39	19+86.61	21+23.28
ENTN75	ENTERPRISE BLVD to US 75 NORTH BOUND RAMP									
ENTN75-1	7° 17′ 33.24" LT	3° 59′ 33.85"	91.45′	182.65′	1,435.00′	10+91.45	7,083,499.65	2,525,455.54	10+00.00	11+82.65
ENTN75-2	7° 07′ 42.32" RT	3° 59′ 33.85"	89.38′	178.53′	1,435.00′	12+72.03	7,083,679.45	2,525,474.79	11+82.65	13+61.18
ENTN75-3	4° 49′ 42.43" LT	1° 59′ 59.47"	120.79′	241.44′	2,865.00′	19+37.29	7,084,327.26	2,525,627.19	18+16.50	20+57.94
ENTN75-4	4° 47′ 18.99" RT	1° 59′ 59.47"	119.79′	239.45′	2,865.00′	21+77.74	7,084,565.26	2,525,662.38	20+57.94	22+97.39
75SCOB	US 75 SOUTH BOUND to CHASE OAKS BLVD RAMP									
75SCOB-1	4° 04′ 23.44" RT	1° 00′ 00.00"	203.74′	407.32′	5,729.58′	12+03.74	7,084,316.92	2,525,411.92	10+00.00	14+07.32
75SCOB-2	0° 47′ 20.03" LT	1° 29′ 59.60"	26.30′	52.60′	3,820.00′	14+33.62	7,084,536.59	2,525,480.22	14+07.32	14+59.92
75SCOB-3	3° 17′ 03.41" LT	1° 59′ 59.47"	82.14′	164.23′	2,865.00′	18+49.02	7,084,934.91	2,525,598.09	17+66.88	19+31.11
75NMCD	US 75 NORTH BOUND to McDERMOTT DRIVE RAMP									
75NMCD-1	5° 18′ 47.75" RT	1° 59′ 59.47"	132.94′	265.68′	2,865.00′	11+32.94	7,086,168.51	2,526,027.09	10+00.00	12+65.68
75NMCD-2	2° 51′ 20.84" LT	1° 59′ 59.47"	71.41′	142.80′	2,865.00′	13+37.10	7,086,362.29	2,526,091.97	12+65.68	14+08.48
75NMCD-3	3° 16′ 01.18" RT	3° 59′ 33.85"	40.92′	81.82′	1,435.00′	17+73.95	7,086,782.96	2,526,209.87	17+33.02	18+14.85
75NMCD-4	5° 43′ 27.97" LT	3° 59′ 33.85"	71.75′	143.37′	1,435.00′	18+86.59	7,086,889.54	2,526,246.41	18+14.85	19+58.22
MCDS75	McDERMOTT DRIVE to US 75 SOUTH BOUND RAMP									
MCDS75-1	4° 50′ 37.16" LT	1° 59′ 59.47"	121.17′	242.20′	2,865.00′	11+21.17	7,086,584.59	2,525,984.98	10+00.00	12+42.20
MCDS75-2	3° 48′ 38.90" RT	1° 59′ 59.47"	95.31′	190.55′	2,865.00′	13+37.51	7,086,798.78	2,526,016.44	12+42.20	14+32.75
MCDS75-3	6° 34′ 10.67" LT	3° 59′ 33.85"	82.36′	164.54′	1,435.00′	18+91.65	7,087,340.54	2,526,133.23	18+09.29	19+73.83
MCDS75-4	7° 36′ 09.07" RT	3° 59′ 33.85"	95.34′	190.41′	1,435.00′	20+69.17	7,087,517.40	2,526,150.56	19+73.83	21+64.24

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