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)

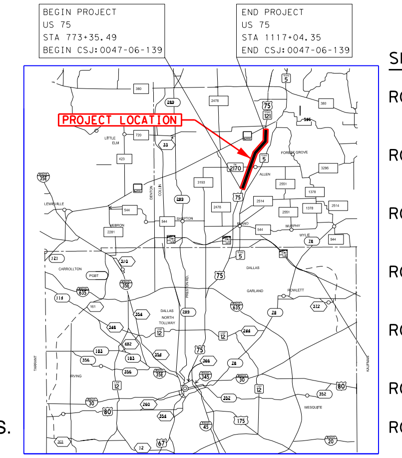
CSJ: 0047-06-139
PROJECT LENGTH: 6.51 MILES

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 3 OF 7

BEGIN PROJECT
US 75
STA 773+35.49
BEGIN CSJ:0047-06-139

END PROJECT
US 75
STA 1117+04.35
END CSJ:0047-06-139



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

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

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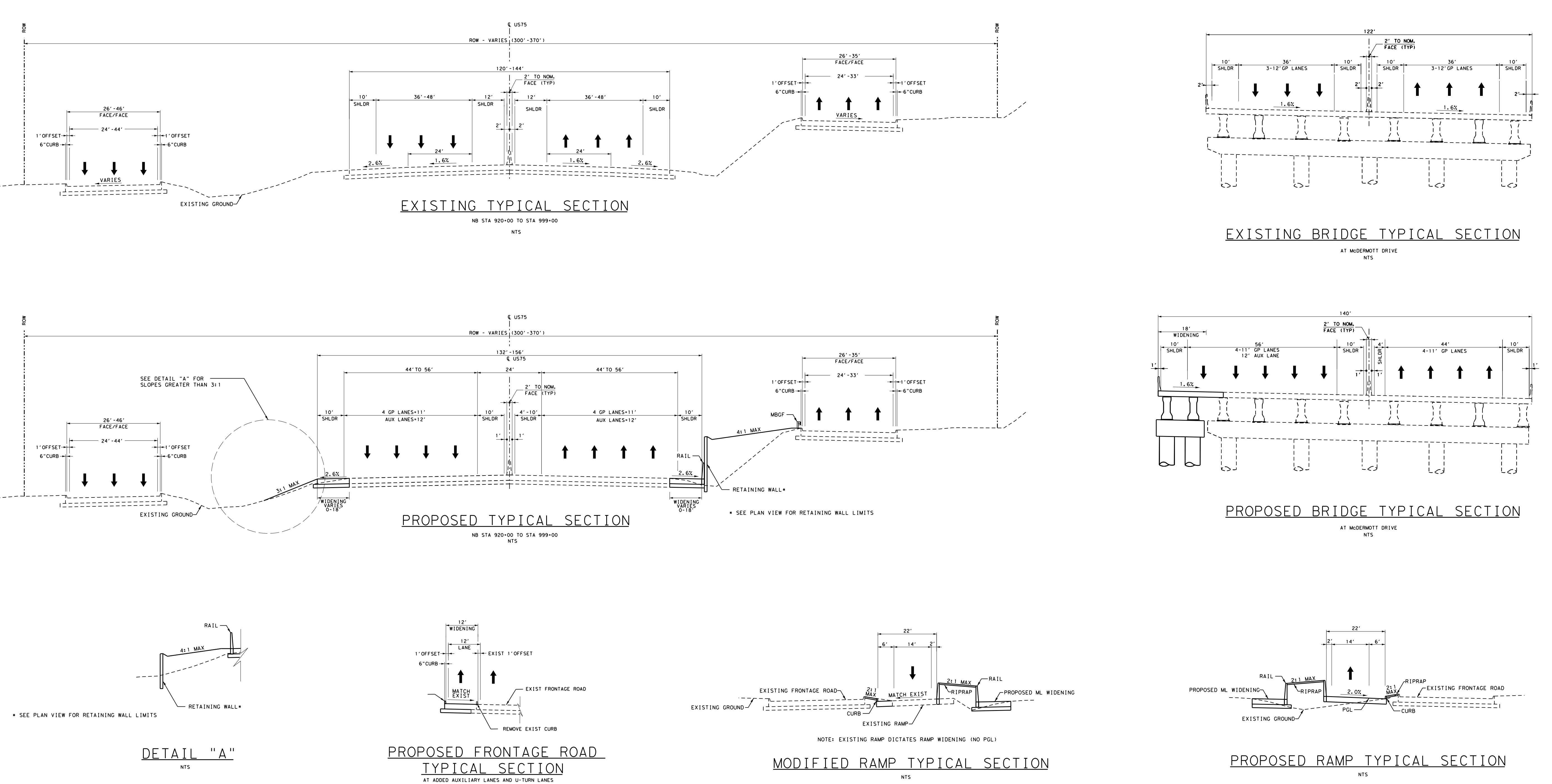
US 75: SPRING CREEK PKWY TO: SH 121 (SAM RAYBURN TOLLWAY) FILE: P:\WFXL5800 - US75\700CADD\720misc\Schematic\US75-SCHM_03.dgn DATE: 8/14/2012 TIME: 11:28:11 AM

Legend:

- PROPOSED MAINLANES
- PROPOSED RAMPS
- PROPOSED FRONTAGE ROADS/CITY STREETS
- PROPOSED BRIDGE
- EXISTING PAVEMENT REMOVAL
- EXISTING R.O.W.
- EXISTING PROPERTY LINE
- EXISTING DRAINAGE EASEMENT
- CITY LIMITS
- CREEK FLOW LINE AND DIRECTION
- EXISTING CULVERT
- EXISTING BRIDGE BENT LOCATION
- PROPOSED BRIDGE BENT LOCATION
- PROPOSED LANE GEOMETRY
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- CL170 — BASELINE NAME
- 75NLEG-3 — CURVE NAME
- XX — PROPERTY OWNER PARCEL NUMBER

Utility Legend:

OH ELECTRIC	OE1	ONCOR
OH ELEC/FIBER OPTIC	OE1/FOC2/FOC10	ONCOR/VERIZON/CCI
OH ELEC/FIBER OPTIC	OE1/FOC4	ONCOR/MCI
ELECTRIC	E1(D)	ONCOR
ELECTRIC	E2(D)	TXDOT
ELECTRIC	E3(D)	GCEC
TRAFFIC SIGNAL	TS1(D)	TXDOT
CTV	CTV1(D)	TIME WARNER
TELEPHONE	T1(D)	AT&T
TELEPHONE	T2(D)	VERIZON
TELEPHONE	T-DUCT1(D)	AT&T
TELEPHONE	T-DUCT2(D)	VERIZON
FIBER OPTIC	FOC1(D)	AT&T
FIBER OPTIC	FOC2(D)	VERIZON
FIBER OPTIC	FOC3(D)	TIME WARNER
FIBER OPTIC	FOC4(D)	MCI
FIBER OPTIC	FOC5(D)	PISD
FIBER OPTIC	FOC6(D)	LEVEL 3
FIBER OPTIC	FOC7(D)	GRANDE
FIBER OPTIC	FOC8(D)	EXPERIAN
FIBER OPTIC	FOC9(D)	TXU
FIBER OPTIC	FOC10(D)	CCI
GAS	G1(D)	ATMOS
GAS	G2(D)	COSERV
WATER	W1(D)	CITY OF PLANO
WATER	W2(D)	CITY OF ALLEN
WASTE WATER	WW1(D)	CITY OF PLANO
WASTE WATER	WW2(D)	CITY OF ALLEN



EXISTING TYPICAL SECTION

PROPOSED TYPICAL SECTION

EXISTING BRIDGE TYPICAL SECTION

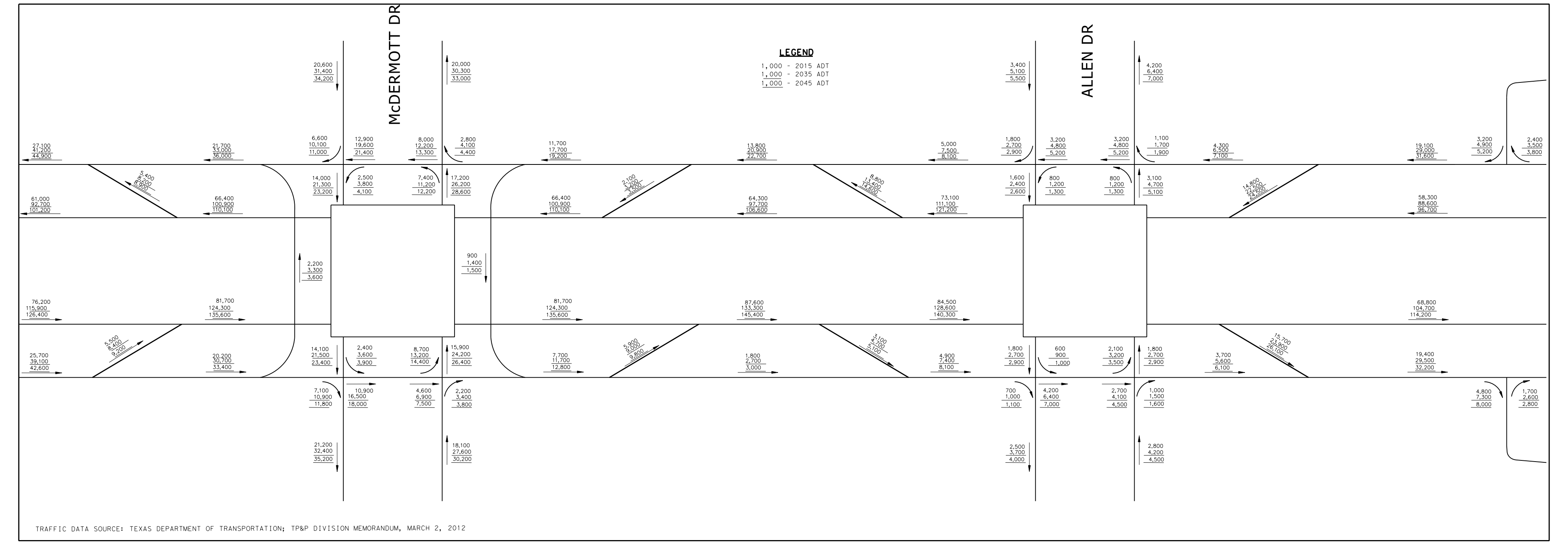
PROPOSED BRIDGE TYPICAL SECTION

DETAIL "A"

PROPOSED FRONTAGE ROAD TYPICAL SECTION

MODIFIED RAMP TYPICAL SECTION

PROPOSED RAMP TYPICAL SECTION



TRAFFIC DATA SOURCE: TEXAS DEPARTMENT OF TRANSPORTATION; TP&P DIVISION MEMORANDUM, MARCH 2, 2012

PROPERTY OWNERSHIP
COLLIN COUNTY

PARCEL	OWNER
30	INTERIOR GALLERY LLC THE
31	2BH REAL ESTATE HOLDINGS LTD
32	COYOTE MOTORSPORTS LAND MGMT-
33	TEXAS UTILITIES ELECTRIC CO
34	ALLEN CENTRAL MARKET ALLEN TX
35	COYOTE MOTORSPORTS LAND MGMT-
36	ONCOR ELECTRIC DELIVERY COMPANY
37	ALLEN CENTRAL MARKET ALLEN TX
38	MCDONALDS CORP (42/316)
39	ALAO DICKSON
40	ALLEN CENTRAL MARKET ALLEN TEXAS
41	ADIBEHS USA INTERNATIONAL INC
42	CHIP ALLEN LTD
43	STACY-CLEARVIEW ALLEN, LTD
44	INCREMENTAL D II LLC
45	TC VILLAGE INC
46	TC VILLAGE INC
47	SAKET HOSPITALITY LLC
48	KPM VENTURES LTD
49	SROKA FAMILY LLC
50	ACG TEXAS DEV LLLP
51	ALLEN 75 PARTNERS LTD
52	SHINN ALLEN HOSPITALITY LTD
53	KBXWL LTD
54	KBXWL LTD
55	BOSSY BOOTS HOLDINGS LTD & NASH-ALLEN INC & KBXW
56	BOSSY BOOTS HOLDINGS LTD
57	TEXAS HEALTH RESOURCES
58	PRESBYTERIAN HEALTHCARE SYSTEM
148	FINISTAR (CA-TX) LTD PTRS
149	ALLEN ECONOMIC DEVELOPMENT CORP
150	PYRAMIDS ALLEN HOTEL LP
151	GREAT TEXAS FOODS CORP
152	SMITH FRANK & KARNA
153	CLEARVIEW MCDERMOTT LP
154	EDK ALLEN II LP
155	WENDY'S INTERNATIONAL INC
156	DOUGLASS DISTRIBUTING CO INC
157	BURGER KING CORP #4300
158	WEIDNER JENNIFER DAWN &
159	TERRELL EVRED A
160	EXXON CORP
161	DOUBLE TREE PROPERTIES LP

PROPERTY OWNERSHIP
COLLIN COUNTY

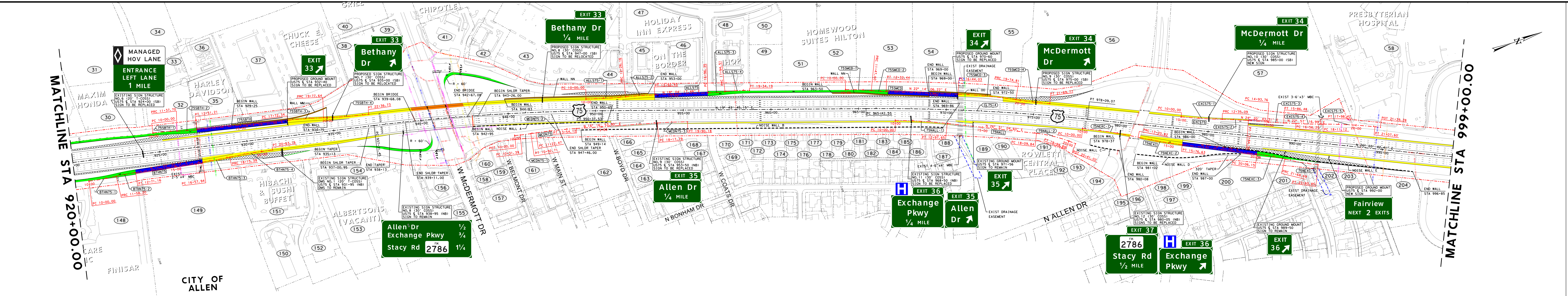
PARCEL	OWNER
162	HAAK VICTOR J
163	HEIFNER BILLIE D & MARION J & BLY F
164	ALAN TX INVESTMENTS LLC
165	ALAN TX INVESTMENTS LLC
166	ALAN TX INVESTMENTS LLC
167	VOORHEES ROBERT
168	DIAZ PAULINA E & ZEKE ROMERO JR
169	MCCROSKEY C SCOTT
170	ROMERO EZEQUIEL
171	SNIDER C P
172	LONG TONY BRENT
173	JAMES DORIS S TR
174	WILSON JEANNE L
175	HOGAN RHONDA JERRY HOGAN & BILLY HOGAN
176	SILVERIO MARTIN F
177	KIRKPATRICK JASON JACK
178	ALANIZ ANTONIO
179	BATES MAX
180	PHILIPS VENETA LORENE
181	FRANCIS CHRISTOPHER RYAN
182	PARK GREGORY D
183	GALINDO GERARDO &
184	SHAVERS CLYDE & LORRAINE
185	PRYOR DAVID
186	WALL INVESTMENT COMPANY LTD
187	DI SCIASCIO EVE FRANCESCA
188	WALL INVESTMENT COMPANY THE
189	WALL INVESTMENT CO
190	CHESTER PARTNERS LTD
191	CHESTER PARTNERS LTD
192	CHESTER PARTNERS LTD
193	WALL INVESTMENT CO LTD THE
194	WALL INVESTMENT CO LTD THE
195	RIKE TARA M & ANTHONY
196	MORRIS ELAINE
197	CURTIS LOIS
198	STEELMAN RANDAL ETUX
199	WHITE RICHARD A & TONI A
200	OTTAWAY C E
201	OTTAWAY C E
202	ALLEN CITY OF
203	SCHLEUSE TERRY K ETUX
204	BISHOP DAVID R & BONNIE U

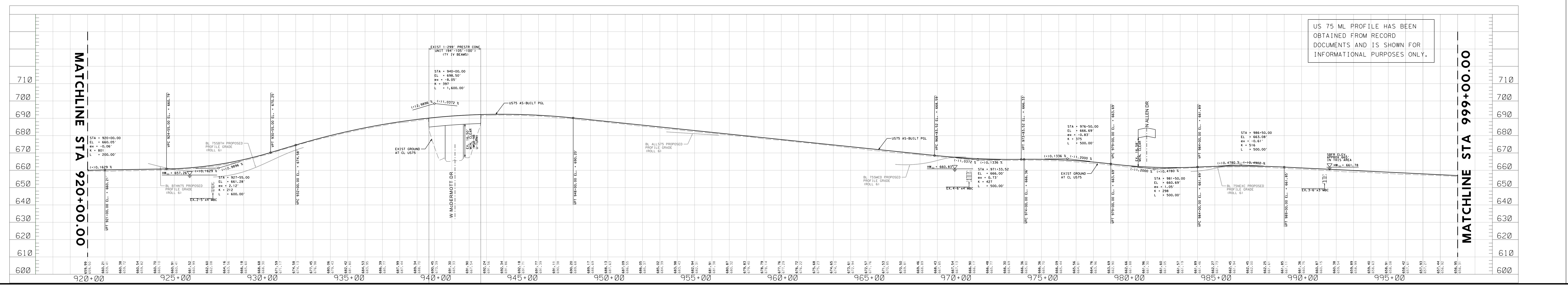
ALIGNMENT DATA

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
BTHN75	BETHANY DRIVE to US 75 NORTH BOUND RAMP									
BTHN75-1	6° 18' 59.95" LT	3° 59' 33.85"	79.18'	158.20'	1,435.00'	10+79.18	7,087,795.10	2,526,458.79	10+00.00	11+58.20
BTHN75-2	4° 30' 36.71" RT	3° 59' 33.85"	56.51'	112.96'	1,435.00'	12+14.71	7,087,929.81	2,526,475.05	11+58.20	12+71.16
BTHN75-3	3° 08' 55.43" LT	1° 59' 59.47"	78.74'	157.45'	2,865.00'	17+36.68	7,088,441.55	2,526,578.16	16+57.94	18+15.39
BTHN75-4	4° 57' 18.55" RT	1° 59' 59.47"	123.97'	247.78'	2,865.00'	19+39.35	7,088,642.17	2,526,607.23	18+15.39	20+63.16
75SBTH	US 75 SOUTH BOUNT to BETHANY DRIVE RAMP									
75SBTH-1	5° 29' 52.11" RT	3° 59' 33.85"	68.90'	137.70'	1,435.00'	10+68.90	7,088,222.36	2,526,324.11	10+00.00	11+37.70
75SBTH-2	4° 31' 56.13" LT	3° 59' 33.85"	56.79'	113.51'	1,435.00'	11+94.48	7,088,341.42	2,526,364.40	11+37.70	12+51.21
75SBTH-3	4° 06' 20.87" RT	1° 59' 59.47"	102.70'	205.31'	2,865.00'	18+75.03	7,089,001.34	2,526,530.95	17+72.34	19+77.64
75SBTH-4	5° 10' 52.94" LT	1° 59' 59.47"	129.63'	259.09'	2,865.00'	21+07.27	7,089,221.95	2,526,603.79	19+77.64	22+36.73
MCDN75	McDERMOTT to US 75 NORTH BOUND RAMP									
MCDN75-1	2° 27' 09.14" LT	4° 00' 00.00"	30.66'	61.31'	1,432.39'	10+62.06	7,090,148.18	2,527,050.16	10+31.39	10+92.71
MCDN75-2	4° 37' 59.26" RT	2° 00' 00.00"	115.89'	231.66'	2,864.79'	12+38.36	7,090,320.86	2,527,085.76	11+22.47	13+54.12
MCDN75-3	3° 26' 51.24" RT	1° 59' 59.47"	86.22'	172.39'	2,865.00'	19+04.01	7,090,959.94	2,527,272.42	18+17.79	19+90.18
75SMCD	US 75 SOUTH BOUND to McDERMOTT RAMP									
75SMCD-1	5° 53' 35.90" RT	3° 59' 33.85"	73.87'	147.60'	1,435.00'	10+73.87	7,092,019.87	2,527,464.75	10+00.00	11+47.60
75SMCD-2	3° 23' 14.93" LT	3° 59' 33.85"	42.43'	84.84'	1,435.00'	11+90.03	7,092,124.73	2,527,515.04	11+47.60	12+32.44
75SMCD-3	6° 36' 54.13" RT	1° 59' 59.47"	165.57'	330.78'	2,865.00'	18+09.61	7,092,698.26	2,527,749.50	16+44.03	19+74.81
75SMCD-4	3° 53' 56.22" LT	1° 59' 59.47"	97.52'	194.96'	2,865.00'	20+72.33	7,092,928.69	2,527,876.45	19+74.81	21+69.77
75NALL	US 75 NORTH BOUND to ALLEN DRIVE RAMP									
75NALL-1	5° 57' 09.24" RT	1° 59' 59.47"	148.96'	297.65'	2,865.00'	11+48.96	7,092,295.69	2,527,755.05	10+00.00	12+97.65
75NALL-2	14° 15' 11.92" RT	7° 30' 00.00"	95.52'	190.04'	763.94'	19+05.36	7,092,972.75	2,528,092.89	18+09.84	19+99.89
ALLS75	ALLEN DRIVE to US 75 SOUTH BOUND RAMP									
ALLS75-1	4° 31' 22.03" LT	1° 59' 59.47"	113.14'	226.16'	2,865.00'	11+13.14	7,090,648.55	2,527,016.76	10+00.00	12+26.16
ALLS75-2	3° 19' 31.20" RT	1° 59' 59.47"	83.16'	166.28'	2,865.00'	13+09.32	7,090,838.39	2,527,066.72	12+26.16	13+92.43
ALLS75-3	3° 55' 09.27" LT	3° 59' 33.85"	49.10'	98.16'	1,435.00'	17+45.45	7,091,253.05	2,527,202.03	16+96.35	17+94.51
ALLS75-4	5° 34' 37.05" RT	3° 59' 33.85"	69.89'	139.68'	1,435.00'	18+64.40	7,091,368.43	2,527,231.12	17+94.51	19+34.19
EXCS75	EXCHANGE PARKWAY to US 75 SOUTH BOUND RAMP									
EXCS75-1	4° 42' 05.41" LT	1° 59' 59.47"	117.61'	235.09'	2,865.00'	11+17.61	7,093,800.05	2,528,298.08	10+00.00	12+35.09
EXCS75-2	2° 59' 06.31" RT	1° 59' 59.47"	74.65'	149.27'	2,865.00'	13+09.74	7,093,979.10	2,528,368.11	12+35.09	13+84.36
EXCS75-3	1° 23' 26.32" LT	1° 29' 59.60"	46.36'	92.72'	3,820.00'	15+40.12	7,094,189.03	2,528,463.10	14+93.76	15+86.48
EXCS75-4	2° 50' 36.62" LT	2° 00' 00.00"	71.10'	142.18'	2,864.79'	17+27.35	7,094,361.43	2,528,536.12	16+56.25	17+98.42
EXCS75-5	5° 55' 46.00" RT	2° 00' 00.00"	148.37'	296.47'	2,864.79'	19+59.49	7,094,579.45	2,528,615.95	18+11.12	21+07.60
75NEXC	US 75 NORTH BOUND to EXCHANGE PARKWAY RAMP									
75NEXC-1	6° 24' 57.65" RT	1° 59' 59.47"	160.58'	320.82'	2,865.00'	11+60.58	7,093,287.71	2,528,185.21	10+00.00	13+20.82
75NEXC-2	5° 06' 56.41" LT	1° 59' 59.47"	127.99'	255.80'	2,865.00'	14+48.81	7,093,531.46	2,528,339.66	13+20.82	15+76.63
75NEXC-3	6° 29' 22.64" RT	3° 59' 33.85"	81.35'	162.54'	1,435.00'	20+87.51	7,094,099.45	2,528,632.13	20+06.15	21+68.69
75NEXC-4	7° 40' 21.53" LT	3° 59' 33.85"	96.23'	192.17'	1,435.00'	22+64.92	7,094,247.13	2,528,730.75	21+68.69	23+60.85

EXISTING US 75 MAINLANES SUPERELEVATION TABLE (CSJ:0047-06-097)

BASELINE	CURVE NAME	DIRECTION	BEGIN CROSS SLOPE	BEGIN TRANSITION	END TRANSITION AND BEGIN FULL SUPERELEVATION	FULL SUPERELEVATION	END FULL SUPERELEVATION AND BEGIN TRANSITION	END TRANSITION	END CROSS SLOPE
CL75	CL75-3	SB*	-1.60%	934+86.1	938+76.1	1.60%	948+92.4	952+82.4	-1.60%
		NB**	N/A	N/A	N/A	N/A	N/A	N/A	N/A
* SB OUTSIDE LANE FROM -2.60% AT STA 934+36.1 TO -1.60% AT STA 934+86.1 AND FROM -1.60% AT STA 952+82.4 TO -2.6% AT STA 953+32.4 ** NB OUTSIDE LANE FROM -2.60% AT STA 938+76.1 TO -1.60% AT STA 939+46.0 AND FROM -1.60% AT STA 942+85.0 TO -2.6% AT STA 943+35.0									
CL75	CL75-4	SB*	-1.60%	962+98.7	966+88.7	1.60%	976+33.3	980+23.3	-1.60%
		NB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
* SB OUTSIDE LANE FROM -2.60% AT STA 962+48.7 TO -1.60% AT STA 962+98.7 AND FROM -1.60% AT STA 980+23.3 TO -2.6% AT STA 980+73.3									





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
COLLIN COUNTY
AUGUST 13, 2012
ROLL 3 OF 7
JACOBS
PREPARED BY JACOBS ENGINEERING GROUP, INC.
REGISTRATION F-2966
UNDER THE SUPERVISION OF
SPENTA F. IRANI, P.E.
LICENSE NO. 81977