Texas Department of Transportation

DALLAS DISTRICT

WILLIAM L. HALE, P.E. DISTRICT ENGINEER

DESIGN SCHEMATIC

SH 114

FROM: 1.236 MI E OF INTERNATIONAL PKY
TO: SH 183

NET LENGTH OF PROJECT = 11.63 MI

CSJ: 0353-04-056 FROM 1.236 MI E OF INTERNATIONAL PKY TO SPUR 348
CSJ: 0353-04-084 U-TURN AT SH 161
CSJ: 0353-06-025 FROM SPUR 348 TO 0.087 MILES EAST OF ROCHELLE
CSJ: 0353-06-050 FROM 0.087 MI E OF ROCHELLE TO 0.203 MI W OF TOM BRANIFF
CSJ: 0353-06-054: FROM 0.203 MI W OF TOM BRANIFF TO SH 183
CSJ: 0581-02-121 FROM TEXAS PLAZA TO LP 12/IH-35E SPLIT
Dallas County

HIGHWAY CLASSIFICATION
URBAN FREEWAY
MAY 2009

Design Speeds
MAINLANES - 70 MPH
RAMPS - 50 MPH
DIRECT CONNECTORS - 50 MPH
FRONTAGE ROADS - 45 MPH
CROSS STREETS - 45 MPH
MANAGED HOV LANES - 70 MPH (MAINLANES), 50 MPH (RAMPS)

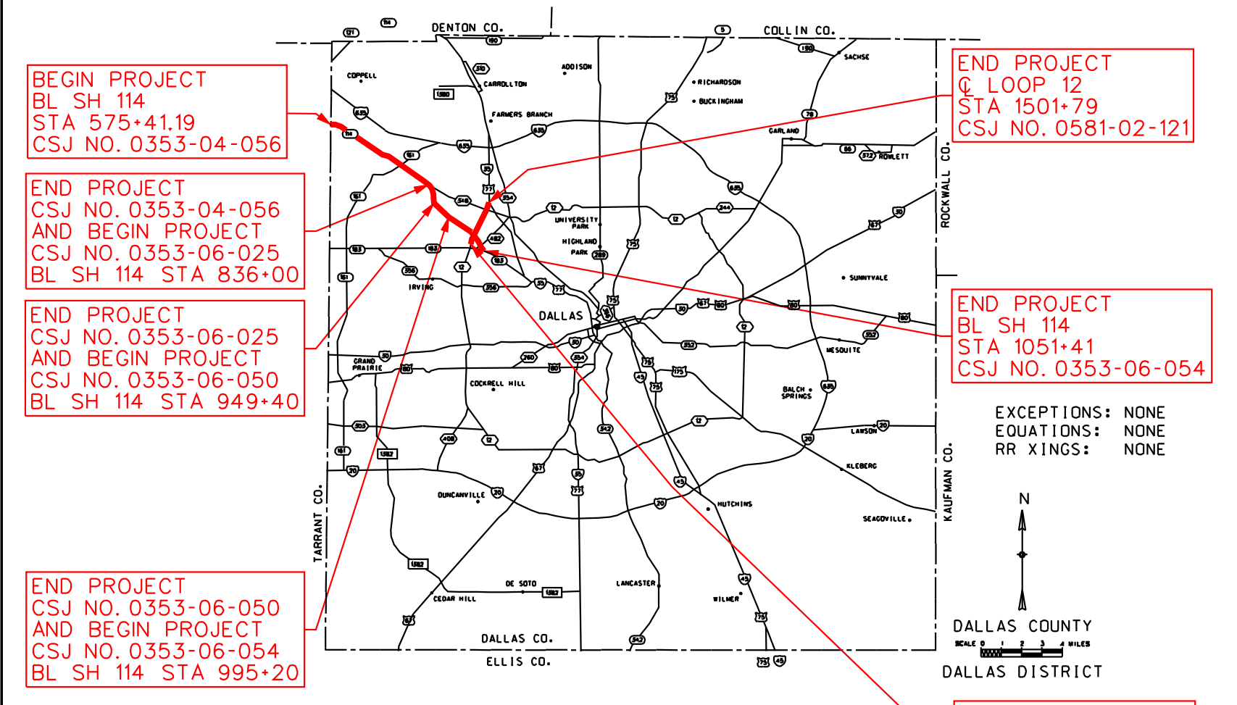
Average Daily Traffic 2008 (2028)

SH 121 TO SH 161:	149,400 (224,200)
SH 161 TO SH 348:	154,000 (231,000)
SPUR 348 TO LOOP 12:	147,300 (221,000)
LOOP 12 TO SH 183:	116,700 (175,000)

HIGHWAY VOLUMES INCLUDE MAIN AND MANAGED HOV LANES ONLY

SOURCE: NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

ROLLS 1-10: SH 114 PLAN AND PROFILE
ROLLS 11-12: LOOP 12 PLAN AND PROFILE
ROLLS 13-23: SH 114 AND LOOP 12 PROFILES


BEGIN PROJECT
BL SH 114
STA 575+41.19
CSJ NO. 0353-04-056
END PROJECT
CSJ NO. 0353-04-056
AND BEGIN PROJECT
CSJ NO. 0353-06-025
BL SH 114 STA 836+00
END PROJECT
CSJ NO. 0353-06-025
AND BEGIN PROJECT
CSJ NO. 0353-06-050
BL SH 114 STA 949+40
END PROJECT
CSJ NO. 0353-06-050
AND BEGIN PROJECT
CSJ NO. 0353-06-054
BL SH 114 STA 995+20
END PROJECT
℄ LOOP 12
STA 1501+79
CSJ NO. 0581-02-121
END PROJECT
BL SH 114
STA 1051+41
CSJ NO. 0353-06-054
BEGIN PROJECT
℄ LOOP 12
STA 1393+59
CSJ NO. 0581-02-121
DENTON CO.
COLLIN CO.
DALLAS CO.
ELLIS CO.
TARRANT CO.
ROCKWALL CO.
KAUFMAN CO.
DALLAS
DALLAS COUNTY
DALLAS DISTRICT
N

EXCEPTIONS: NONE
EQUATIONS: NONE
RR XINGS: NONE

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DART

CITY OF IRVING

PREPARED BY BRIDGEFARMER & ASSOCIATES, INC.
UNDER THE SUPERVISION OF

STERLING C. FORSYTHE, III	SHAHRIAR AZAD	WEIYIH TEE
P.E. NO. 57339	P.E. NO. 91682	P.E. NO. 98478
DATE: 05/11/09	DATE: 05/11/09	DATE: 05/11/09

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264
12801 NORTH CENTRAL EXPRESSWAY,
4TH FLOOR
DALLAS, TEXAS 75243
TEL: (972) 231-8800 FAX: (972) 231-5900

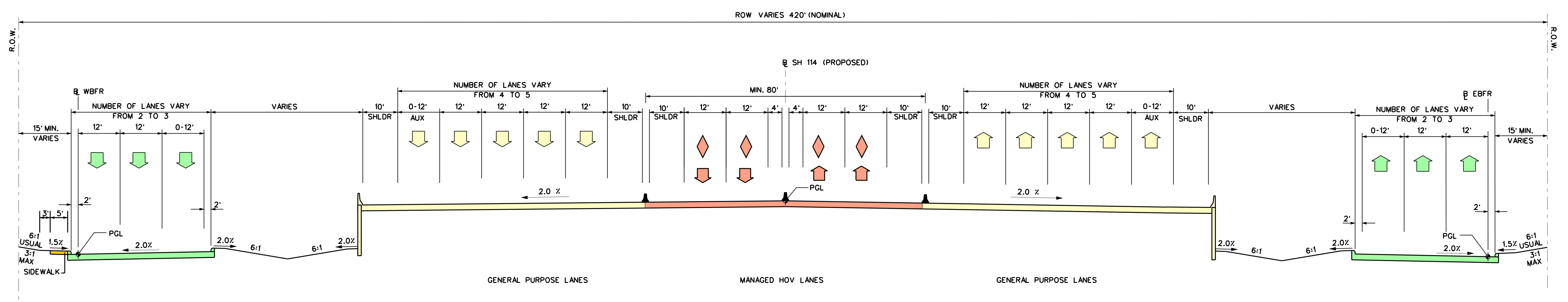
Roll: 8 of 23

DATE APPROVED

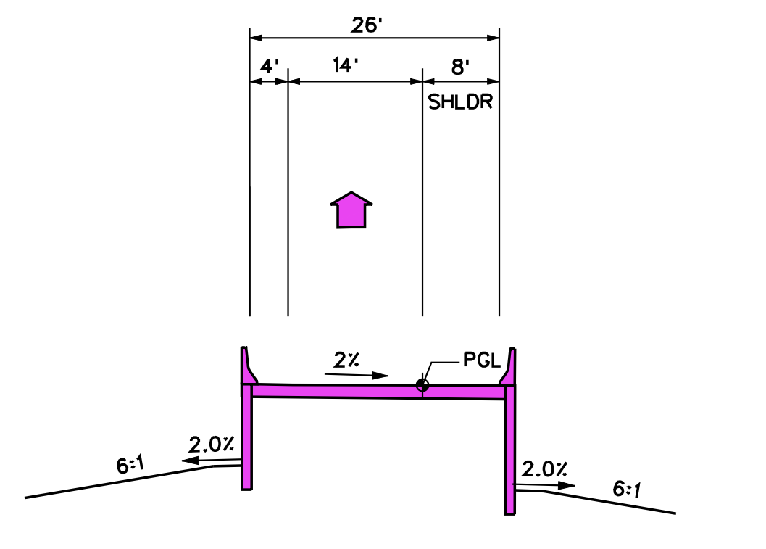
DATE SUBMITTED

DATE REVISED

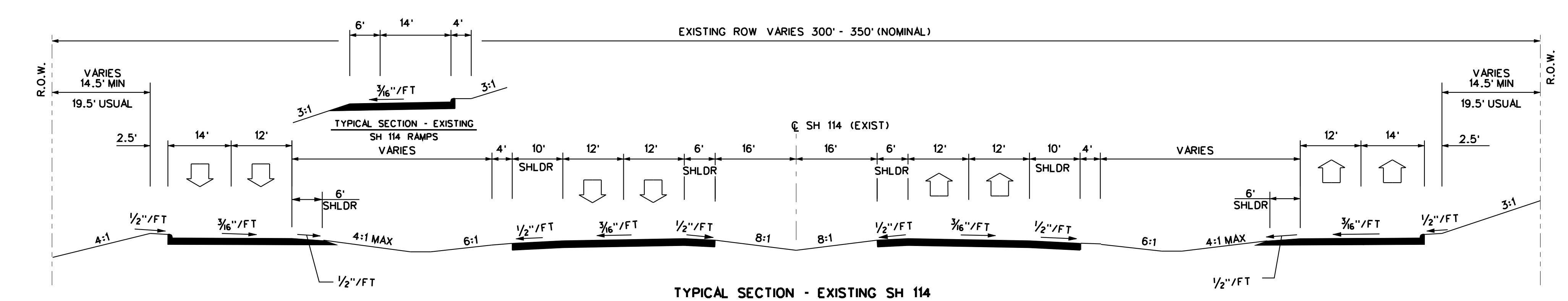
DESIGN SCHEMATIC NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.


ROW VARIES 420' (NOMINAL)
R.O.W.
℄ SH 114 (PROPOSED)
℄ WBFR
℄ EBFR
NUMBER OF LANES VARY FROM 2 TO 3
NUMBER OF LANES VARY FROM 4 TO 5
15' MIN. VARIES
VARIES
10' SHLDR
0-12' AUX
12'
MIN. 80'
4'
2'
PGL
2.0%
1.5%
6:1 USUAL
3:1 MAX
SIDEWALK
6:1
GENERAL PURPOSE LANES
MANAGED HOV LANES
GENERAL PURPOSE LANES

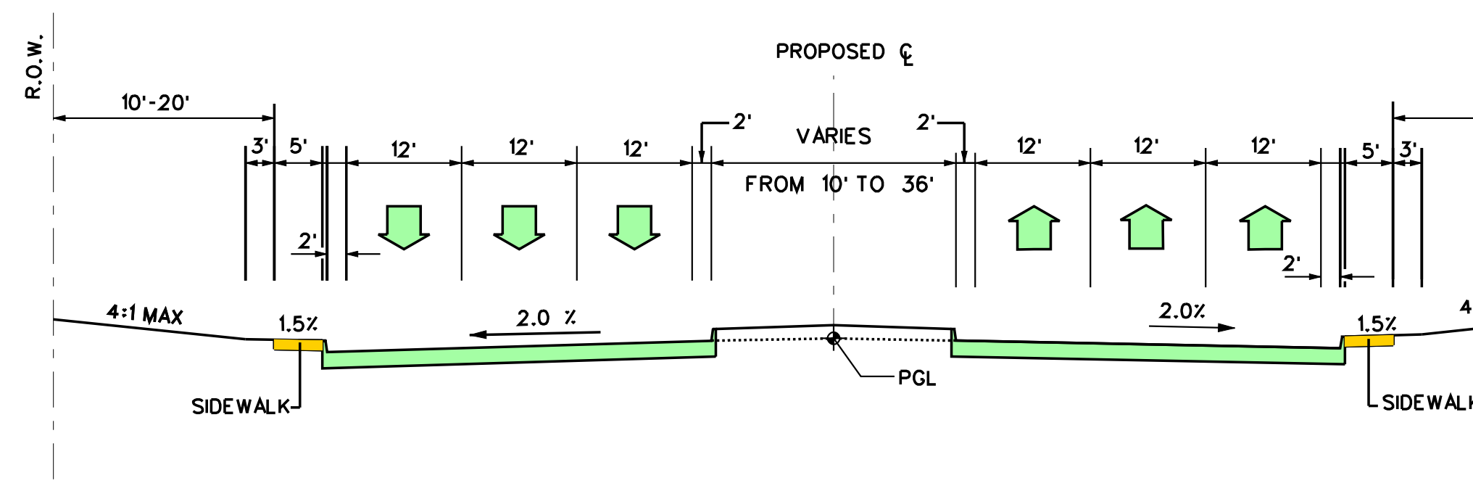
TYPICAL SECTION - PROPOSED SH 114
O'CONNOR ROAD TO RIVERSIDE DR./ROCHELLE BLVD.


26'
4'
14'
8'
SHLDR
2%
PGL
2.0%
6:1

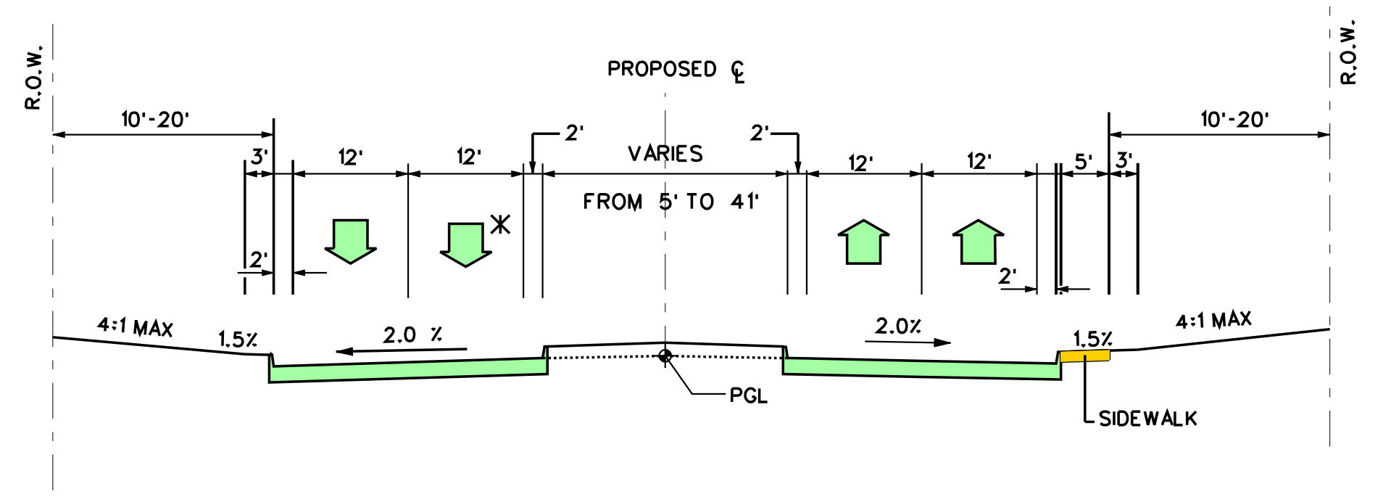
TYPICAL SECTION - PROPOSED ONE LANE RAMP


EXISTING ROW VARIES 300' - 350' (NOMINAL)
R.O.W.
VARIES 14.5' MIN
19.5' USUAL
2.5'
6'
14'
4'
3/16"/FT
3:1
TYPICAL SECTION - EXISTING
SH 114 RAMPS
VARIES
℄ SH 114 (EXIST)
12'
10'
16'
6' SHLDR
SHLDR
1/2"/FT
4:1
4:1 MAX
6:1
8:1

TYPICAL SECTION - EXISTING SH 114
SPUR 348 TO SPUR 482

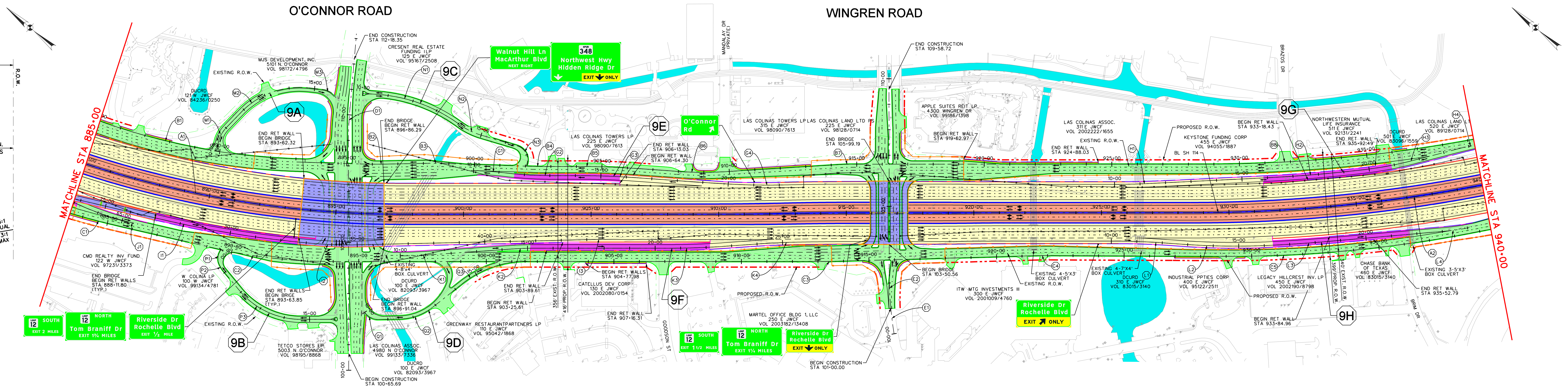

R.O.W.
PROPOSED ℄
10'-20'
3'
5'
12'
2'
VARIES
FROM 10' TO 36'
4:1 MAX
1.5%
2.0 %
PGL
SIDEWALK

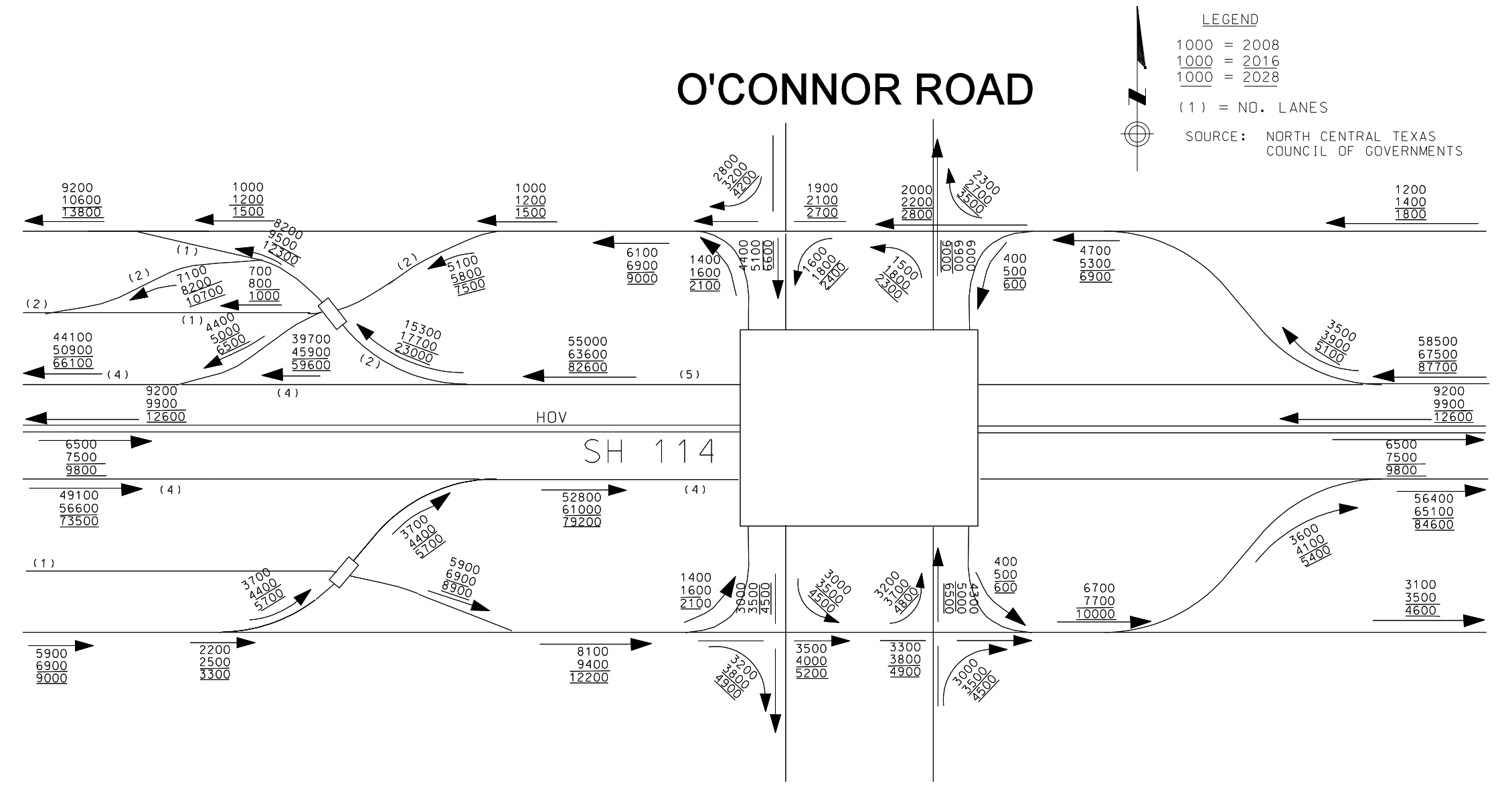
PROPOSED O'CONNOR ROAD

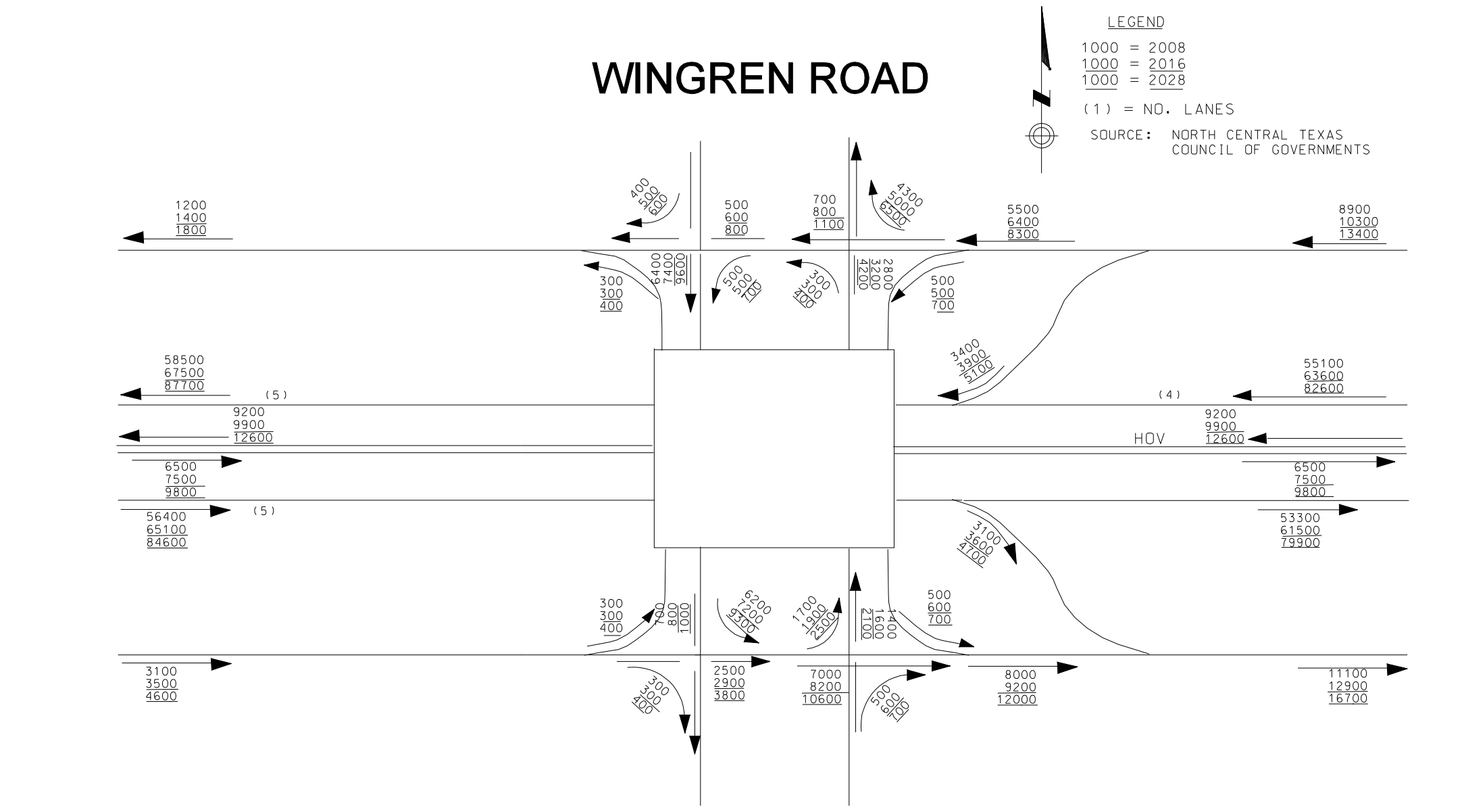

R.O.W.
PROPOSED ℄
10'-20'
3'
12'
2'
VARIES
FROM 5' TO 41'
4:1 MAX
1.5%
2.0 %
PGL
SIDEWALK

PROPOSED WINGREN ROAD

NOTE: ⇩ * ADDITIONAL LANE IN NORTH SIDE OF WINGREN ROAD


O'CONNOR ROAD
WINGREN ROAD
SCALE: 1" = 200' HOR.
1" = 20' VERT.
MATCHLINE STA 885+00
MATCHLINE STA 940+00
9A
9B
9C
9D
9E
9F
9G
9H
Walnut Hill Ln
MacArthur Blvd
NEXT RIGHT
348
Northwest Hwy
Hidden Ridge Dr
EXIT ONLY
O'Connor Rd
12 SOUTH
EXIT 2 MILES
12 NORTH
Tom Braniff Dr
EXIT 1 3/4 MILES
Riverside Dr
Rochelle Blvd
EXIT 1/2 MILE
12 SOUTH
EXIT 1 1/2 MILES
Riverside Dr
Rochelle Blvd
EXIT ONLY
END CONSTRUCTION
STA 112+18.35
CRESENT REAL ESTATE
FUNDING ILP
125 E JWCF
VOL 95167/2508
MJS DEVELOPMENT, INC.
5101 N. O'CONNOR
VOL 98172/4796
EXISTING R.O.W.
DUCRD
121 W JWCF
VOL 84236/0250
END RET WALL
BEGIN BRIDGE
STA 893+62.32
END BRIDGE
BEGIN RET WALL
STA 896+86.29
CMD REALTY INV FUND
122 W JWCF
VOL 97231/3373
END BRIDGE
BEGIN RET WALLS
STA 888+11.80
(TYP.)
W COLINA LP
100 W JWCF
VOL 99134/4781
END RET WALLS
BEGIN BRIGE
STA 893+63.85
(TYP.)
TETCO STORES LP
5003 N O'CONNOR
VOL 98195/8868
LAS COLINAS ASSOC.
4980 N O'CONNOR
VOL 99133/7336
DUCRD
100 E JWCF
VOL 82093/3967
BEGIN CONSTRUCTION
STA 100+65.69
EXISTING
4-8'x4'
BOX CULVERT
DCURD
100 E JWCF
VOL 82093/3967
END BRIDGE
BEGIN RET WALL
STA 896+91.04
GREENWAY RESTAURANTPARTENERS LP
110 E JWCF
VOL 95042/1868
END RET WALL
STA 903+89.61
BEGIN RET WALL
STA 903+25.61
356' EXIST. R.O.W.
416' PROP. R.O.W.
CATELLUS DEV CORP
130 E JWCF
VOL 2002080/0154
BEGIN RET WALLS
STA 904+77.98
END RET WALL
STA 907+16.31
GOODSON ST
PROPOSED R.O.W.
MARTEL OFFICE BLDG 1, LLC
250 E JWCF
VOL 2003182/13408
LAS COLINAS TOWERS LP
225 E JWCF
VOL 98090/7613
END RET WALL
STA 906+13.03
BEGIN RET WALL
STA 906+64.30
LAS COLINAS TOWERS LP
315 E JWCF
VOL 98090/7613
LAS COLINAS LAND LTD
225 E JWCF
VOL 98128/0714
MANDALAY DR (PRIVATE)
END BRIDGE
STA 105+99.19
END CONSTRUCTION
STA 109+58.72
APPLE SUITES REIT LP
4300 WINGREN DR
VOL 99186/1398
BEGIN RET WALL
STA 919+62.97
LAS COLINAS ASSOC.
311 E JWCF
VOL 2002222/1655
EXISTING R.O.W.
END RET WALL
STA 924+88.03
PROPOSED R.O.W.
KEYSTONE FUNDING CORP
455 E JWCF
VOL 94055/1887
BL SH 114
BRAZOS DR
BEGIN RET WALL
STA 933+18.43
NORTHWESTERN MUTUAL
LIFE INSURANCE
511 E JWCF
VOL 92131/2241
END RET WALL
STA 935+92.49
DCURD
501 E JWCF
VOL 83096/1559
LAS COLINAS LAND LT
520 E JWCF
VOL 89128/0714
BEGIN BRIDGE
STA 103+50.56
EXISTING 4-5'X3'
BOX CULVERT
EXISTING R.O.W.
ITW MTG INVESTMENTS III
300 E JWCF
VOL 2001009/4760
EXISTING 4-7'X4'
BOX CULVERT
DCURD
310 E JWCF
VOL 83015/3140
INDUSTRIAL PPTIES CORP
400 E JWCF
VOL 95122/2511
LEGACY HILLCREST INV. LP
450 E JWCF
VOL 2002190/8798
PROPOSED R.O.W.
BEGIN RET WALL
STA 933+84.96
399' PROP. R.O.W.
340' EXIST. R.O.W.
CHASE BANK
OF TEXAS
460 E JWCF
VOL 83015/3140
EXISTING 3-5'X3'
BOX CULVERT
END RET WALL
STA 935+52.79
BRIM DR
BEGIN CONSTRUCTION
STA 101+00.00
890+00
895+00
900+00
905+00
910+00
915+00
920+00
925+00
930+00
935+00


O'CONNOR ROAD
SH 114
HOV
LEGEND
1000 = 2008
1000 = 2016
1000 = 2028
(1) = NO. LANES
SOURCE: NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS


WINGREN ROAD
HOV
LEGEND
1000 = 2008
1000 = 2016
1000 = 2028
(1) = NO. LANES
SOURCE:

LEGEND

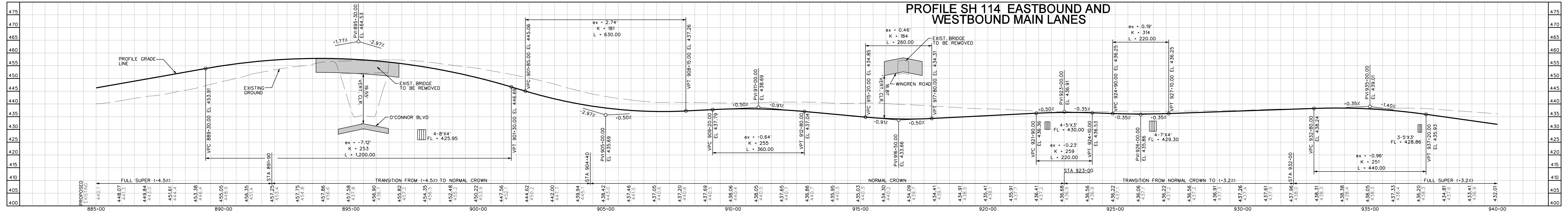
🟨	MAIN LANES (DESIGN SPEED=70 MPH)
🟩	FRONTAGE ROADS & CROSS STREETS (DESIGN SPEED=45 MPH)
🟧	MANAGED HOV LANES (DESIGN SPEED=70 MPH) UNLESS NOTED OTHERWISE
🟦	MANAGED HOV WISHBONE RAMPS & DIRECT CONNECTORS (DESIGN SPEED=50 MPH) UNLESS NOTED OTHERWISE
🟪	ENTRANCE & EXIT RAMPS (DESIGN SPEED=50 MPH) UNLESS NOTED OTHERWISE
🟦	BRIDGE
▨	SIDEWALK (WHERE EXISTING SIDEWALK EXISTS)
━	RR TRACKS
- - -	EXISTING R.O.W.
- - -	PROPOSED R.O.W. CSJ: 0581-02-077
-·-·	PROPOSED R.O.W.
─‖─	PROPOSED CONTROL OF ACCESS
─‖─	EXISTING CONTROL OF ACCESS
— —	RETAINING WALL

CURVE DATA

STREET NAME	CURVE NO.	CURVE NAME	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	PI STATION	PC STATION	PT STATION
MAINLANE										
SH 114	A1	BL114-12	38°20'58.73" LT	1°25'57.91"	1,390.63	2,676.64	3,999.00	884+72.74	870+82.11	897+58.75
	A2	BL114-17	18°22'57.85" LT	0°57'20.61"	970.05	1,923.43	5,995.00	938+33.39	928+63.34	947+86.77
FRONTAGE ROAD										
WB FRONTAGE ROAD	B1	FRWB12-5	26°29'38.97" LT	2°14'48.82"	600.31	1,179.15	2,550.00	887+33.87	881+33.56	893+12.71
	B2	FRWB12-6	2°52'03.56" LT	2°51'53.24"	50.06	100.10	2,000.00	896+00.64	895+50.58	896+50.68
	B3	FRWB12-7	2°52'03.56" RT	2°52'03.56"	50.01	100.00	1,998.00	898+40.48	897+90.47	898+90.47
	B4	FRWB12-8	1°46'44.78" LT	3°48'52.68"	23.32	46.64	1,502.00	902+54.10	902+30.78	902+77.42
	B5	FRWB12-9	4°00'00.00" RT	1°57'00.59"	102.60	205.11	2,938.00	905+21.31	904+18.72	906+23.83
	B6	FRWB12-10	7°33'33.24" LT	3°49'10.99"	99.09	197.90	1,500.00	908+94.50	907+95.40	909+93.30
	B7	FRWB12-11	3°33'33.24" RT	6°21'58.31"	27.96	55.91	900.00	914+58.60	914+30.64	914+86.54
	B8	FRWB12-12	12°19'13.79" LT	0°59'16.29"	626.01	1,247.19	5,800.00	634+87.98	928+61.97	941+09.16
EB FRONTAGE ROAD	C1	FREB-34	11°11'44.72" LT	1°54'35.49"	294.04	586.21	3,000.00	882+44.86	879+51.82	885+38.03
	C2	FREB-35	13°02'38.58" LT	2°48'50.88"	232.77	463.52	2,036.00	891+62.78	889+30.01	893+93.53
	C3	FREB-36	1°35'45.10" LT	2°50'51.73"	28.02	56.04	2,012.00	913+43.04	913+15.02	913+71.06
	C4	FREB-37	1°50'58.79" RT	2°52'19.09"	32.20	64.40	1,995.00	921+80.63	921+48.43	922+12.83
	C5	FREB-38	11°12'08.02" LT	1°08'45.30"	490.35	977.58	5,000.00	933+76.64	928+86.29	938+63.87
CROSS STREET										
O'CONNOR ROAD	D1	CSCON-1	5°02'42.04" RT	3°49'13.53"	66.08	132.05	1,500.00	109+48.83	108+82.75	110+14.80
WINGREN ROAD	E1	CSWIN-1	3°49'10.82" RT	3°49'10.99"	50.02	100.00	1,500.00	100+50.02	100+00.00	101+00.00
	E2	CSWIN-2	5°14'40.89" RT	3°49'10.84"	68.70	137.31	1,500.02	101+68.70	101+00.00	102+37.31
RAMP										
WB EXIT TO O'CONNOR	G1	RWXCON-1	4°57'22.09" RT	3°49'10.99"	64.92	129.75	1,500.00	10+64.92	10+00.00	11+29.75
	G2	RWXCON-2	6°44'07.34" LT	3°49'10.99"	88.27	176.33	1,500.00	12+18.02	11+29.75	13+06.08
	G3	RWXCON-3	4°00'00.00" RT	1°58'32.58"	101.27	202.46	2,900.00	15+24.03	14+22.76	16+25.22
	G4	RWXCON-4	5°19'08.36" LT	1°58'32.58"	134.71	269.22	2,900.00	20+87.46	19+52.75	22+21.97
WB ENTRANCE RAMP FROM ROCHELLE	H1	RWEWIN-1	2°47'15.68" LT	1°58'32.58"	70.56	141.10	2,900.00	10+70.56	10+00.00	11+41.10
	H2	RWEWIN-2	3°48'31.04" LT	0°58'30.29"	195.37	390.60	5,876.00	17+78.98	15+83.61	19+74.21
	H3	RWEWIN-3	7°54'53.18" LT	3°51'20.54"	102.80	205.27	1,486.00	20+77.01	19+74.21	21+79.48
	H4	RWEWIN-4	3°46'37.43" RT	3°47'03.83"	49.92	99.81	1,514.00	23+99.41	23+49.49	24+49.30
EB ENTRANCE FROM HIDDEN RIDGE	I1	REEWINA-4	8°28'22.23" LT	1°23'16.72"	305.78	610.44	4,128.00	30+30.65	27+24.87	33+35.31
	I2	REEWINA-5	5°59'43.43" LT	3°47'03.84"	79.28	158.42	1,414.00	34+14.60	33+35.31	34+93.73
	I3	REEWINA-6	1°16'17.89" RT	1°58'32.58"	32.18	64.36	2,900.00	44+28.66	43+96.48	44+60.84
EB EXIT TO O'CONNOR	J1	REXCON-5	11°11'44.72" LT	5°12'31.35"	107.81	214.94	1,100.00	64+40.09	63+32.28	65+47.22
EB ENTRANCE FROM O'CONNOR	K1	REEWINB-1	4°00'00.00" LT	3°49'10.99"	52.38	104.72	1,500.00	10+52.38	10+00.00	11+04.72
	K2	REEWINB-2	4°00'00.00" RT	3°51'20.54"	51.89	103.74	1,486.00	15+97.58	15+45.69	16+49.43
	K3	REEWINB-3	4°00'00.00" LT	1°57'58.41"	101.76	203.44	2,914.00	20+65.07	20+63.31	22+66.74
	K4	REEWINB-4	2°54'01.09" RT	1°58'32.58"	73.41	146.80	2,900.00	24+86.10	24+12.69	25+59.49
EB EXIT TO ROCHELLE	L1	REXROC-1	4°00'00.00" RT	1°58'32.58"	101.27	202.46	2,900.00	11+01.27	10+00.00	12+02.46
	L2	REXROC-2	6°53'04.84" LT	1°58'32.58"	174.44	348.46	2,900.00	14+59.74	12+85.30	16+33.76
	L3	REXROC-3	2°06'02.08" LT	0°56'04.84"	112.38	224.74	6,130.01	17+46.14	16+33.76	18+58.50
	L4	REXROC-4	5°57'47.41" LT	5°39'01.70"	52.81	105.53	1,014.00	23+51.86	22+99.05	24+04.58
SIDE STREET (NOTE: SIDE STREETS ARE DESIGNED FOR 20MPH)										
SIDE STREET (SH 114 WBFR TO O'CONNOR) *	M1	RW14CON-1	34°56'27.13" RT	48°33'20.68"	37.14	71.96	118.00	10+65.57	10+28.43	11+00.39
	M2	RW14CON-2	52°24'41.12" RT	18°01'03.15"	156.51	290.89	318.00	13+42.39	11+85.88	14+76.77
	M3	RW14CON-3	52°32'23.92" RT	84°15'30.60"	33.56	62.36	68.00	15+66.33	15+32.76	15+95.12
SIDE STREET (O'CONNOR TO SH 114 WBFR) *	N1	RCON14W-1	32°19'06.42" RT	9°19'53.62"	177.91	346.33	614.00	12+34.42	10+56.51	14+02.85
	N2	RCON14W-2	19°32'32.57" LT	20°02'00.56"	49.25	97.55	286.00	14+52.10	14+02.85	15+00.40
	N3	RCON14W-3	99°14'55.78" RT	101°02'45.85"	66.68	98.22	56.70	17+14.23	16+47.55	17+45.77
SIDE STREET (O'CONNOR TO SH 114 EBFR) *	P1	RCON14E-1	63°37'25.90" LT	106°22'13.32"	33.41	59.81	53.86	10+33.41	10+00.00	10+59.81
	P2	RCON14E-2	16°41'59.31" LT	50°15'34.01"	16.73	33.23	114.00	10+76.55	10+59.81	10+93.04
	P3	RCON14E-3	50°19'03.88" LT	18°14'49.43"	147.48	275.76	314.00	13+38.29	11+90.81	14+66.57
SIDE STREET (SH 114 EBFR TO O'CONNOR) *	Q1	RE14CON-1	56°09'41.56" LT	88°08'50.47"	34.68	63.71	65.00	10+34.68	10+00.00	10+63.71
	Q2	RE14CON-2	37°14'12.25" LT	26°38'57.12"	72.43	139.73	215.00	12+18.81	11+46.38	12+86.11
	Q3	RE14CON-3	38°21'09.62" LT	13°52'23.05"	143.63	276.45	413.00	15+76.23	14+32.59	17+09.05

* DESIGNED FOR 20 MPH AND STOP CONDITION AT FRONTAGE ROAD AND O'CONNOR RD

PROFILE SH 114 EASTBOUND AND WESTBOUND MAIN LANES



Texas Department of Transportation

DALLAS DISTRICT

WILLIAM L. HALE, P.E. DISTRICT ENGINEER

DESIGN SCHEMATIC

SH 114

FROM: 1.236 MI E OF INTERNATIONAL PKY
TO: SH 183

NET LENGTH OF PROJECT = 11.63 MI

CSJ: 0353-04-056 FROM 1.236 MI E OF INTERNATIONAL PKY TO SPUR 348
CSJ: 0353-04-084 U-TURN AT SH 161
CSJ: 0353-06-025 FROM SPUR 348 TO 0.087 MILES EAST OF ROCHELLE
CSJ: 0353-06-050 FROM 0.087 MI E OF ROCHELLE TO 0.203 MI W OF TOM BRANIFF
CSJ: 0353-06-054: FROM 0.203 MI W OF TOM BRANIFF TO SH 183
CSJ: 0581-02-121 FROM TEXAS PLAZA TO LP 12/IH-35E SPLIT
Dallas County

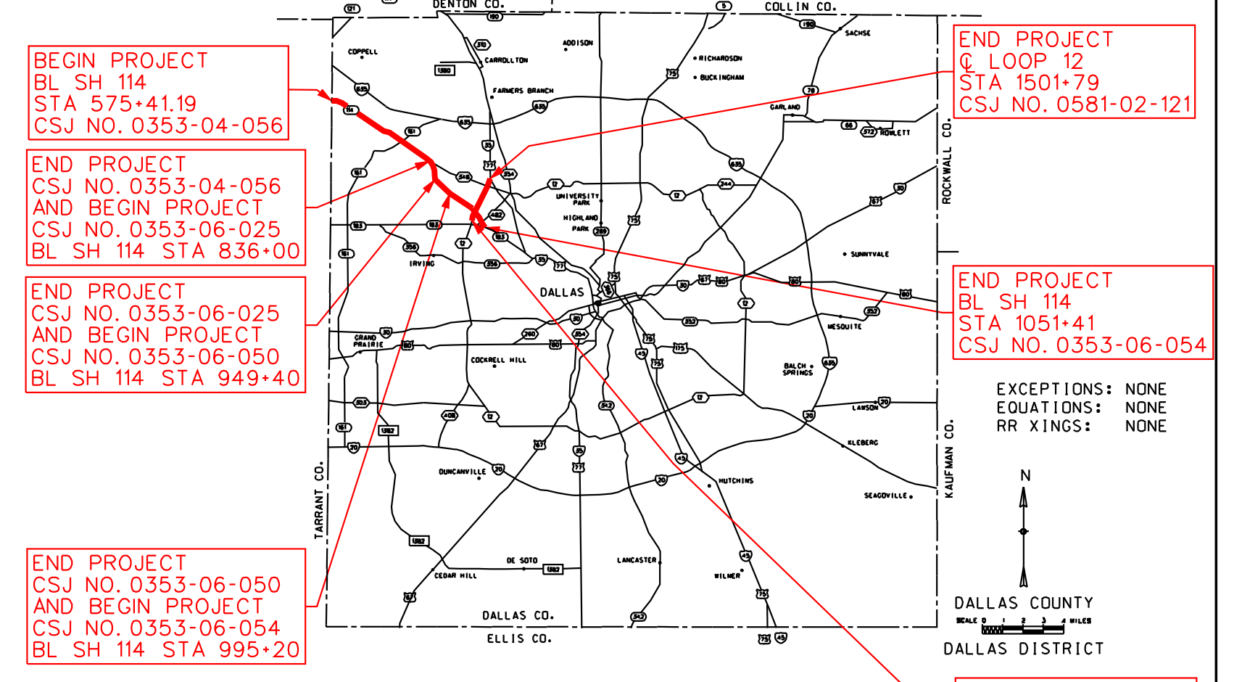
HIGHWAY CLASSIFICATION
URBAN FREEWAY
MAY 2009

Design Speeds
MAINLANES - 70 MPH
RAMPS - 50 MPH
DIRECT CONNECTORS - 50 MPH
FRONTAGE ROADS - 45 MPH
CROSS STREETS - 45 MPH
MANAGED HOV LANES - 70 MPH (MAINLANES), 50 MPH (RAMPS)

Average Daily Traffic 2008 (2028)
SH 121 TO SH 161: 149,400 (224,200)
SH 161 TO SH 348: 154,000 (231,000)
SPUR 348 TO LOOP 12: 147,300 (221,000)
LOOP 12 TO SH 183: 116,700 (175,000)
HIGHWAY VOLUMES INCLUDE MAIN AND MANAGED HOV LANES ONLY

SOURCE: NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

ROLLS 1-10: SH 114 PLAN AND PROFILE
ROLLS 11-12: LOOP 12 PLAN AND PROFILE
ROLLS 13-23: SH 114 AND LOOP 12 PROFILES


BEGIN PROJECT
BL SH 114
STA 575+41.19
CSJ NO. 0353-04-056
END PROJECT
CSJ NO. 0353-04-056
AND BEGIN PROJECT
CSJ NO. 0353-06-025
BL SH 114 STA 836+00
END PROJECT
CSJ NO. 0353-06-025
AND BEGIN PROJECT
CSJ NO. 0353-06-050
BL SH 114 STA 949+40
END PROJECT
CSJ NO. 0353-06-050
AND BEGIN PROJECT
CSJ NO. 0353-06-054
BL SH 114 STA 995+20
END PROJECT
℄ LOOP 12
STA 1501+79
CSJ NO. 0581-02-121
END PROJECT
BL SH 114
STA 1051+41
CSJ NO. 0353-06-054
BEGIN PROJECT
℄ LOOP 12
STA 1393+59
CSJ NO. 0581-02-121
DALLAS COUNTY
DALLAS DISTRICT

EXCEPTIONS: NONE
EQUATIONS: NONE
RR XINGS: NONE

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DART

CITY OF IRVING

PREPARED BY BRIDGEFARMER & ASSOCIATES, INC.
UNDER THE SUPERVISION OF

STERLING C. FORSYTHE, III — P.E. NO. 57339 — DATE: 05/11/09
SHAHRIAR AZAD — P.E. NO. 91682 — DATE: 05/11/09
WEIYIH TEE — P.E. NO. 98478 — DATE: 05/11/09

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264
12801 NORTH CENTRAL EXPRESSWAY,
4TH FLOOR
DALLAS, TEXAS 75243
TEL: (972) 231-8800 FAX: (972) 231-5900

Roll: 8 of 23

DATE APPROVED

DATE SUBMITTED

DATE REVISED

DESIGN SCHEMATIC NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.