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 BRANDT
CSJ: 0353-06-054: FROM 0.203 MI W OF TOM BRANDT 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

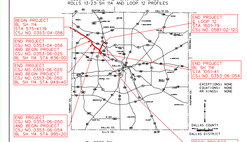
MAINLANES = 70 MPH
RAMPS = 50 MPH
DIRECT CONNECTORS = 50 MPH
FRONTAGE ROADS = 45 MPH
MANAGED HOV LANES = 70 MPH (MAINLANES), 50 MPH (RAMPS)

Average Daily Traffic 2008 (2028)

SH 161 to SH 114: 59,600 (224,000)
SH 114 to Loop 12: 141,000 (323,000)
SH 114 to Loop 12: 141,000 (323,000)
Loop 12 to SH 183: 141,000 (323,000)
HIGHWAY VOLUMES INCLUDE MAIN AND MANAGED HOV LANES ONLY

SOURCE: NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

ROLLS 5 TO SH 114 PLAN AND PROFILE
ROLLS 10-13 SH 114 AND LOOP 12 PROFILES



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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.
TRANSPORTATION ENGINEERS
TBPE REGISTRATION NO. 264
12851 NORTH CENTRAL EXPRESSWAY
SUITE 1000
DALLAS, TEXAS 75243
TEL: (972) 231-8800 FAX: (972) 231-5900

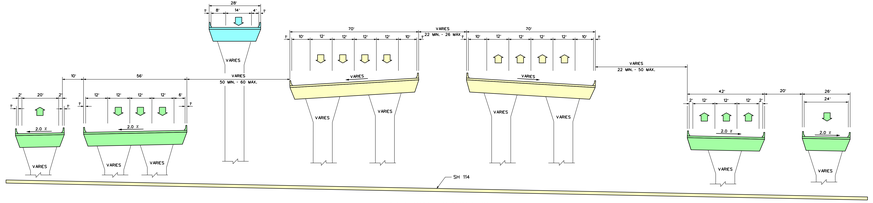
DATE APPROVED

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

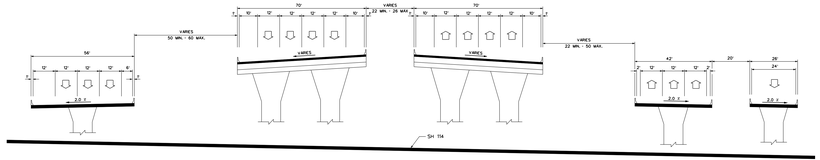
Roll: 5 of 23

DATE SUBMITTED

DATE REVISED



TYPICAL SECTION - PROPOSED SH 161



TYPICAL SECTION - EXISTING SH 161

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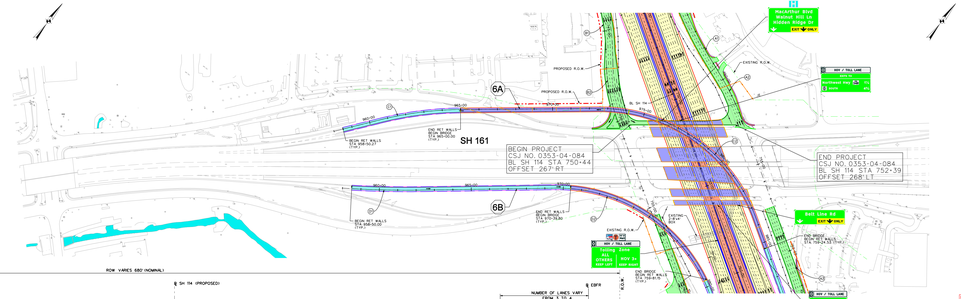
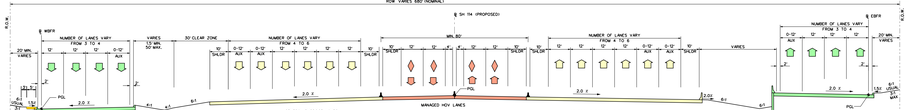
LEGEND

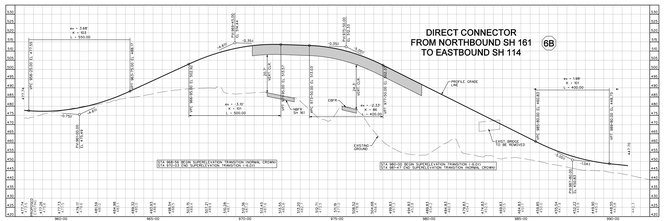
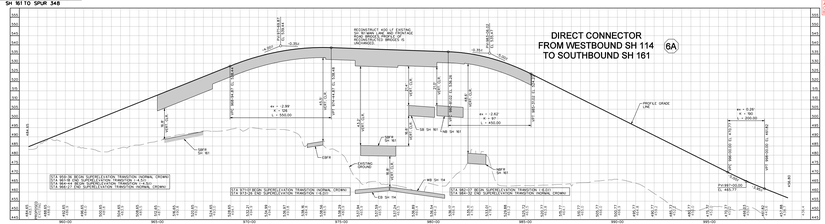
- MAIN LANES (DESIGN SPEED=70 MPH)
- FRONTAGE ROADS & CROSS STREETS (DESIGN SPEED=45 MPH)
- MANAGED HOV LANES (DESIGN SPEED=70 MPH) UNLESS NOTED OTHERWISE
- MANAGED HOV WISHBONE RAMPS & DIRECT CONNECTORS (DESIGN SPEED=50 MPH) UNLESS NOTED OTHERWISE
- ENTRANCE & EXIT RAMPS (DESIGN SPEED=50 MPH) UNLESS 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	RADIUS	LENGTH	TANGENT	P.C. STATION	P.T. STATION
SH 161	NON-SH							
SH 114	NON-SH							
	FRONTAGE ROAD							
WB FRONTAGE ROAD	C1	1°56'22.0"	0°15'23.51"	372.31	12.61	6.31	744+58.45	744+71.06
	C2	1°56'22.0"	0°15'23.51"	372.31	12.61	6.31	744+58.45	744+71.06
	C3	1°56'21.9"	0°15'23.51"	372.31	12.61	6.31	751+03.71	751+16.32
EB FRONTAGE ROAD	C1	1°56'21.9"	0°15'23.51"	372.31	12.61	6.31	751+03.71	751+16.32
	C2	1°56'22.0"	0°15'23.51"	372.31	12.61	6.31	744+58.45	744+71.06
	C3	1°56'22.0"	0°15'23.51"	372.31	12.61	6.31	751+03.71	751+16.32
FROM WB SH 114 TO EB SH 161	C1	114°57'51.4"	11°27'33.0"	500.00	1004.07	1274.61	850+34.05	860+38.12
	C2	114°57'51.4"	11°27'33.0"	500.00	1004.07	1274.61	850+34.05	860+38.12
FROM NB SH 161 TO EB SH 114	C1	90°00'00.0"	11°27'33.0"	500.00	785.40	500.00	874+43.52	882+29.32
	C2	90°00'00.0"	11°27'33.0"	500.00	785.40	500.00	874+43.52	882+29.32



TYPICAL SECTION - PROPOSED SH 114 SH 161 TO SPUR 348