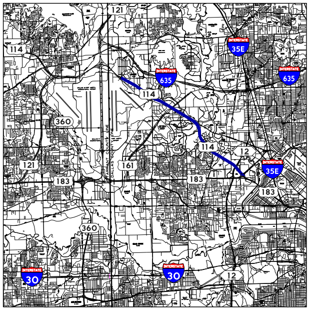
TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT / FORT WORTH DISTRICT
WILLIAM L. HALE, P.E., DALLAS DISTRICT ENGINEER

PUBLIC MEETING SCHEMATIC - INTERIM CONFIGURATION
SH 114 - COMPONENT 4
DALLAS/TARRANT COUNTY

CSJ: 0353-04-056

	SH 183	LOOP 12	SH 114
SCHEMATIC ROLL:	X	X	X
AVG DAILY TRAFFIC:	XX,XXX (2020) XX,XXX (2035)	XX,XXX (2020) XX,XXX (2035)	XXX,XXX (2020) XXX,XXX (2035)
FUNCTIONAL CLASS:	URBAN FREEWAY	URBAN FREEWAY	URBAN FREEWAY
FROM:	W. OF FM 157	SH 183	SP 97 (INT'L PW)
TO:	IH 35E	IH 35E	SH 183
LENGTH:	14.79 MILES	2.14 MILES	8.88 MILES
DESIGN SPEED			
MAINLANES	70 mph	60 mph	60 mph
INTERIM MAINLANES	60 mph	N/A	N/A
MANAGED LANES/HOV:	70 mph	60 mph	60 mph
INTERIM ML/HOV:	60 mph	N/A	N/A
DIRECT CONNECTORS:	50 mph	50 mph	50 mph
RAMPS:	45 mph	45 mph	45 mph
INTERIM RAMPS:	40 mph	N/A	N/A
FRONTAGE RDS:	40 mph	40 mph	40 mph
INTERIM FTG RDS:	35 mph	N/A	N/A
CROSS STREETS:	40 mph	40 mph	40 mph


121
114
35E
635
635
114
360
114
12
121
161
183
183
35E
183
360
30
30
12

N
NOT TO SCALE

LOCATION MAP
NOT TO SCALE

Scale:
0 100 200
HORIZONTAL SCALE IN FEET
0 10 20
VERTICAL SCALE IN FEET

February 20, 2014
Roll 1 of 6

PRELIMINARY

FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE	FIRM NAME	FIRM TBPE #
RANDALL J. POUCKET	90495	02/20/2014	JACOBS ENGINEERING GROUP INC.	F-2966
CHRIS M. HOFF	83287	02/20/2014	JACOBS ENGINEERING GROUP INC.	F-2966
SACHIN N. KUNAGALLI	110049	02/20/2014	JACOBS ENGINEERING GROUP INC.	F-2966

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LEGEND:

—··—··—	EXISTING RIGHT OF WAY
—··—··—	PROPOSED RIGHT OF WAY (PER ULTIMATE SCHEMATIC)
→	DIRECTION OF TRAFFIC
◆	MANAGED LANE
——	EXISTING PROPERTY LINE
——	PAVEMENT EDGE
——	PROPOSED CURB
—·—·—	PROPOSED CENTERLINE ℄ OR BASELINE ℄
——	PROPOSED CONCRETE TRAFFIC BARRIER
——	PROPOSED RETAINING WALL
— — —	PROPOSED NOISEWALLS (PER ULTIMATE SCHEMATIC)
— — —	EXISTING NOISEWALLS (ULTIMATE BUT ALREADY CONSTRUCTED)
—·—·—	PROPOSED BRIDGE BENT
—·—·—	EXISTING BRIDGE BENT
—‖‖—‖‖—	CONTROL OF ACCESS LINE (PER ULTIMATE SCHEMATIC)
▬	EXISTING PAVING TO REMAIN
▬	ROADWAY BY OTHERS - PROPOSED OR UNDER CONSTRUCTION
▬	PROPOSED MANAGED LANES - HOV
▬	PROPOSED BRIDGE
▬	PROPOSED MAINLANES / GENERAL PURPOSE LANES
▬	PROPOSED RAMP / DIRECT CONNECTOR
▬	PROPOSED FRONTAGE ROAD / COLLECTOR ROAD
▬	PROPOSED CROSS & LOCAL STREET
▬	INTERIM PAVEMENT
▬	POTENTIAL DISPLACEMENTS (PER ULTIMATE SCHEMATIC)
- - - -	EXISTING TELEPHONE LINE
- - - -	EXISTING FIBER OPTIC / CABLE TV
- - - -	EXISTING WATER LINE
- - - -	EXISTING ELECTRIC (DISTRIBUTION / TRANSMISSION) LINE
- - - -	EXISTING WASTE WATER
- - - -	EXISTING GAS / PIPELINE
- - - -	EXISTING STORM SEWER

NOTES:

1. THE INTENT OF THESE SCHEMATIC PLANS IS TO PROVIDE INFORMATION FOR A PROCUREMENT PROCESS FOR THE SH 183 PROJECT. THESE SCHEMATICS HAVE AS THEIR BASIS ULTIMATE SCHEMATICS PREVIOUSLY COMPLETED AND APPROVED AS PART OF SEPARATE AND MULTIPLE PLANNING AND ENVIRONMENTAL PROCESSES.

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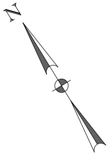
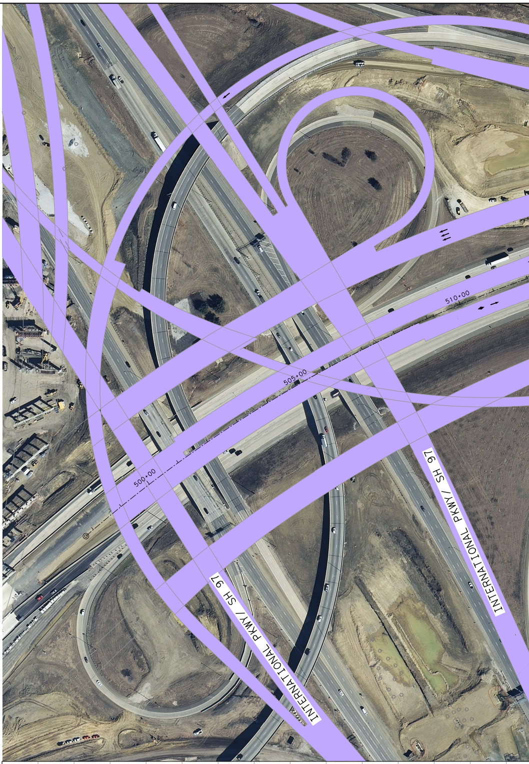
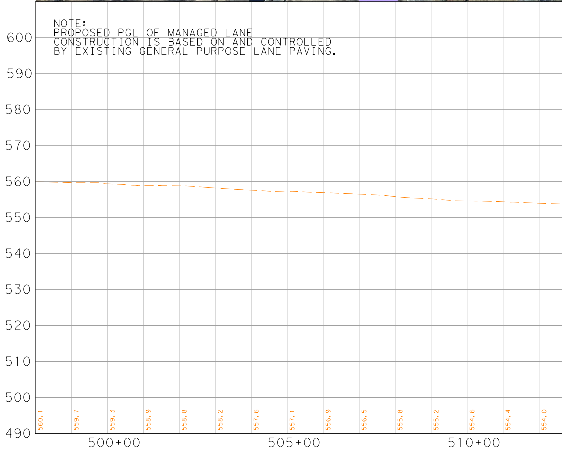
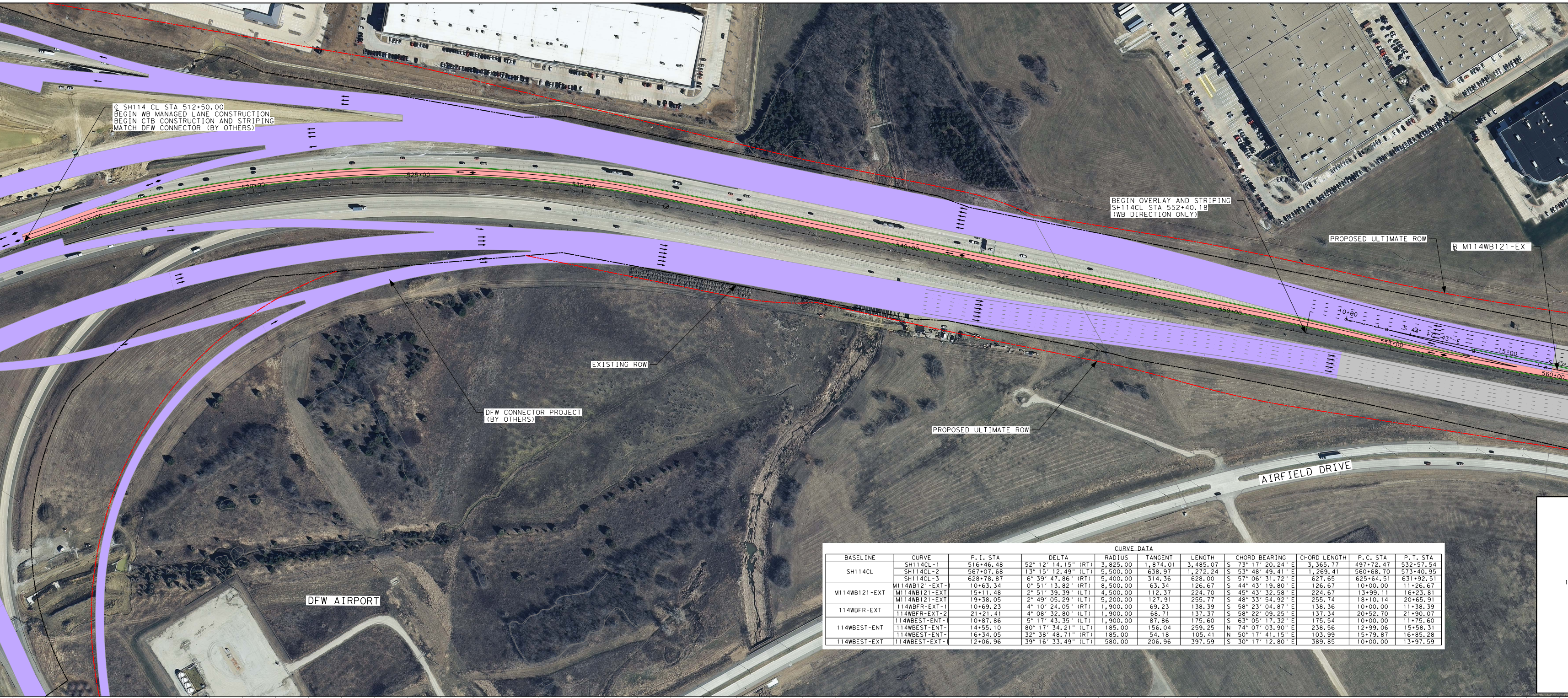
DRAFT SCHEMATIC
Preliminary, Subject to Change




510+00
505+00
500+00
INTERNATIONAL PKWY / SH 97
INTERNATIONAL PKWY / SH 97

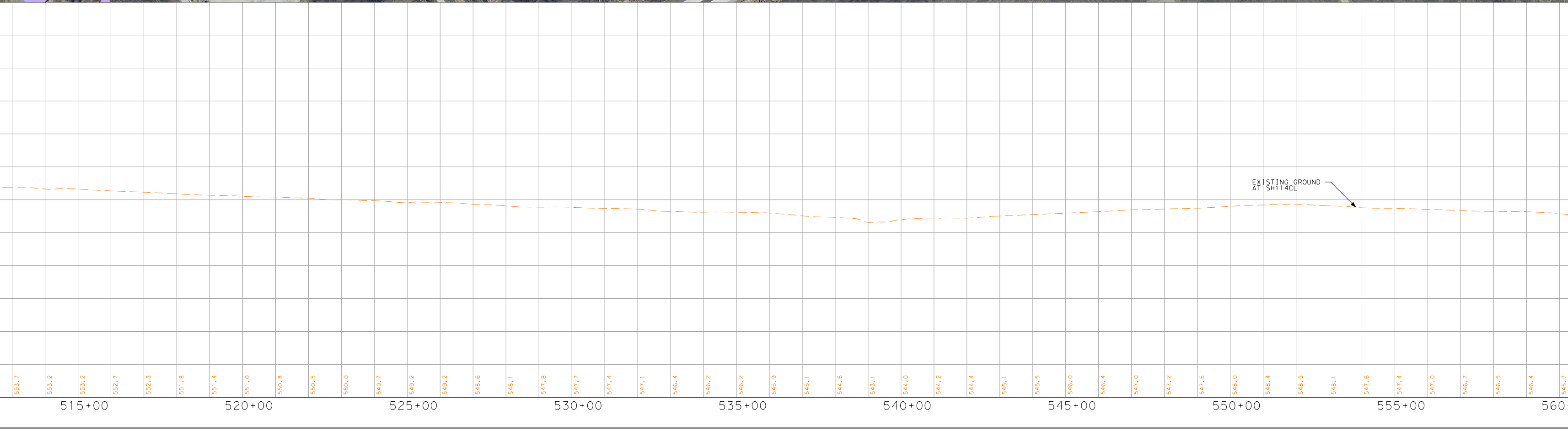


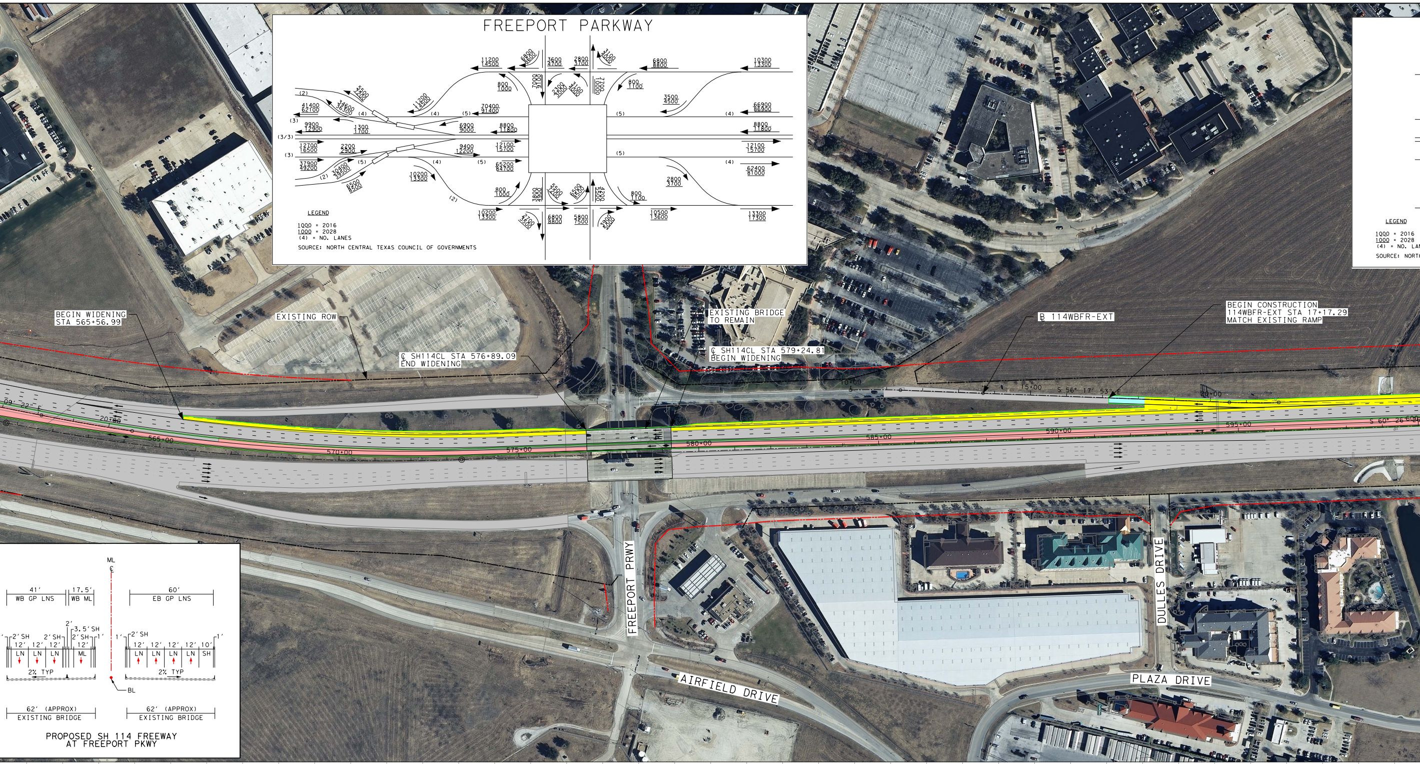
NOTE:
PROPOSED PGL OF MANAGED LANE CONSTRUCTION IS BASED ON AND CONTROLLED BY EXISTING GENERAL PURPOSE LANE PAVING.


℄ SH114 CL STA 512+50.00
BEGIN WB MANAGED LANE CONSTRUCTION
BEGIN CTB CONSTRUCTION AND STRIPING
MATCH DFW CONNECTOR (BY OTHERS)
515+00
520+00
525+00
530+00
535+00
540+00
545+00
550+00
555+00
560+00
10+00
15+00
S 47° 11' 13" E
S 42° 11' 43" E
BEGIN OVERLAY AND STRIPING
SH114CL STA 552+40.18
(WB DIRECTION ONLY)
PROPOSED ULTIMATE ROW
℄ M114WB121-EXT
EXISTING ROW
DFW CONNECTOR PROJECT
(BY OTHERS)
PROPOSED ULTIMATE ROW
AIRFIELD DRIVE
DFW AIRPORT

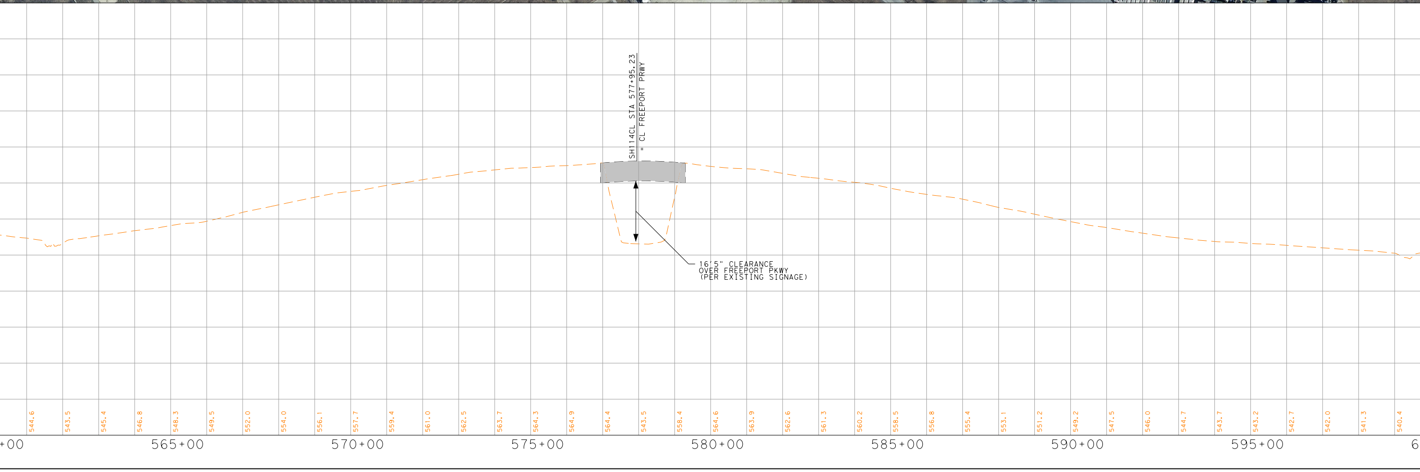
CURVE DATA

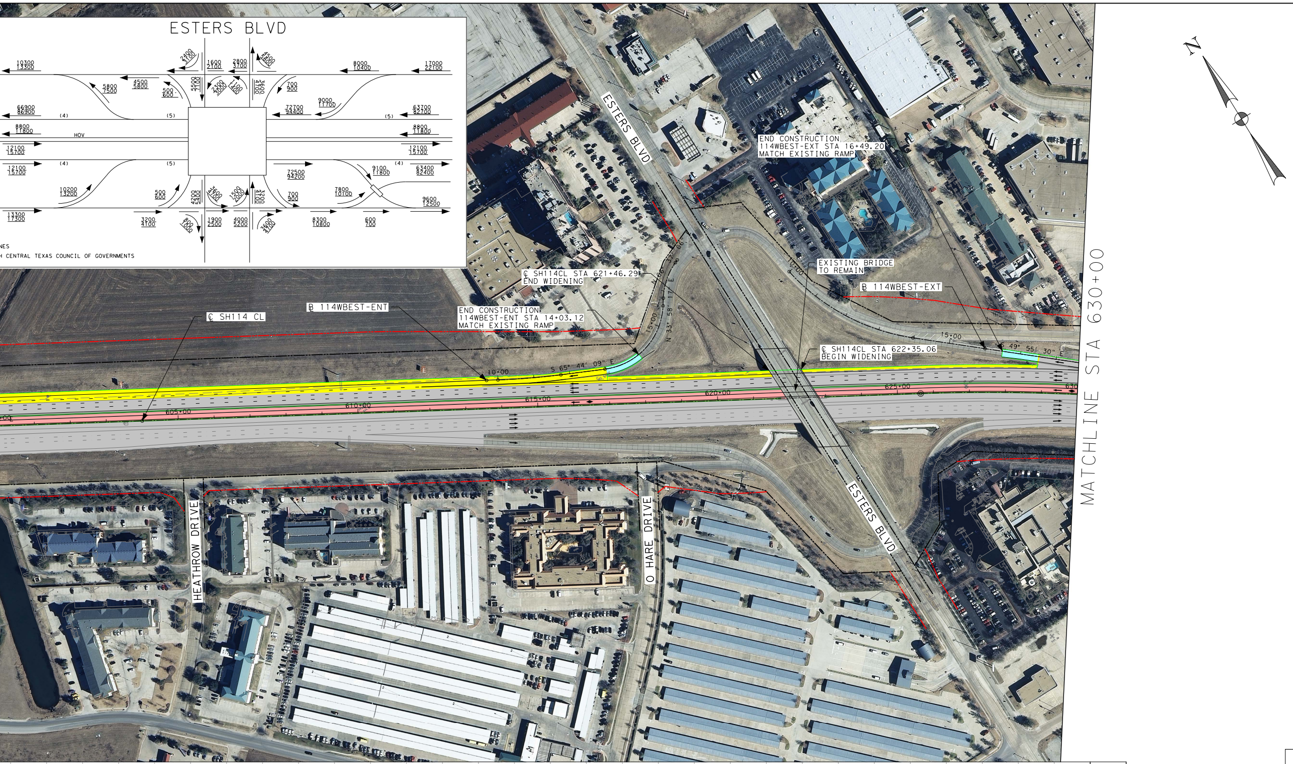
BASELINE	CURVE	P.I. STA	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STA	P.T. STA
SH114CL	SH114CL-1	516+46.48	52° 12' 14.15" (RT)	3,825.00	1,874.01	3,485.07	S 73° 17' 20.24" E	3,365.77	497+72.47	532+57.54
	SH114CL-2	567+07.68	13° 15' 12.49" (LT)	5,500.00	638.97	1,272.24	S 53° 48' 49.41" E	1,269.41	560+68.70	573+40.95
	SH114CL-3	628+78.87	6° 39' 47.86" (RT)	5,400.00	314.36	628.00	S 57° 06' 31.72" E	627.65	625+64.51	631+92.51
M114WB121-EXT	M114WB121-EXT-1	10+63.34	0° 51' 13.82" (RT)	8,500.00	63.34	126.67	S 44° 43' 19.80" E	126.67	10+00.00	11+26.67
	M114WB121-EXT	15+11.48	2° 51' 39.39" (LT)	4,500.00	112.37	224.70	S 45° 43' 32.58" E	224.67	13+99.11	16+23.81
	M114WB121-EXT	19+38.05	2° 49' 05.29" (LT)	5,200.00	127.91	255.77	S 48° 33' 54.92" E	255.74	18+10.14	20+65.91
114WBFR-EXT	114WBFR-EXT-1	10+69.23	4° 10' 24.05" (RT)	1,900.00	69.23	138.39	S 58° 23' 04.87" E	138.36	10+00.00	11+38.39
	114WBFR-EXT-2	21+21.41	4° 08' 32.80" (LT)	1,900.00	68.71	137.37	S 58° 22' 09.25" E	137.34	20+52.70	21+90.07
114WBEST-ENT	114WBEST-ENT-1	10+87.86	5° 17' 43.35" (LT)	1,900.00	87.86	175.60	S 63° 05' 17.32" E	175.54	10+00.00	11+75.60
	114WBEST-ENT-	14+55.10	80° 17' 34.21" (LT)	185.00	156.04	259.25	N 74° 07' 03.90" E	238.56	12+99.06	15+58.31
	114WBEST-ENT-	16+34.05	32° 38' 48.71" (RT)	185.00	54.18	105.41	N 50° 17' 41.15" E	103.99	15+79.87	16+85.28
114WBEST-EXT	114WBEST-EXT-1	12+06.96	39° 16' 33.49" (LT)	580.00	206.96	397.59	S 30° 17' 12.80" E	389.85	10+00.00	13+97.59

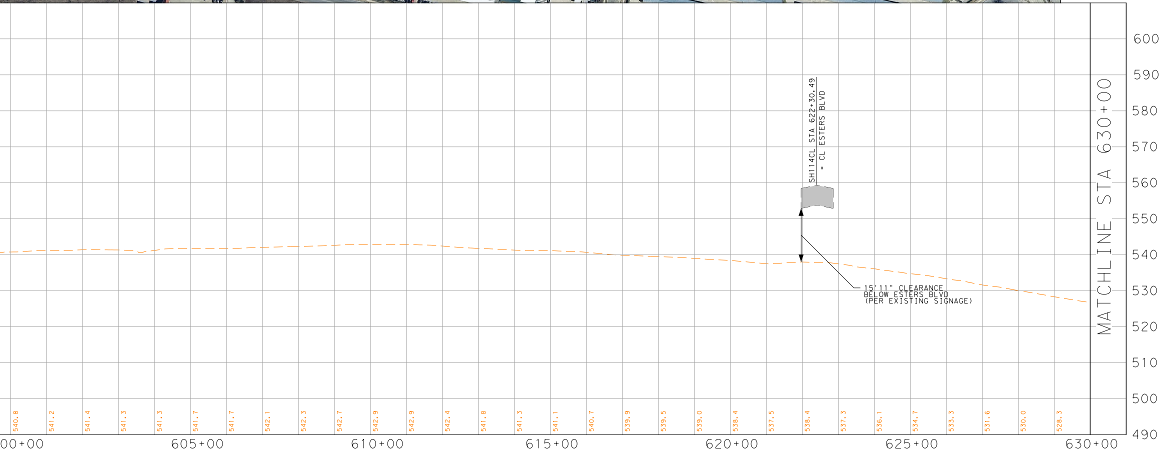



FREEPORT PARKWAY
11200 14500
6800 8600
3600 4700
2800 3700
3100 4000
6800 8800
10300 13300
5500 7200
(2)
41400 62100
34600 36300
(4)
11200 14500
(4)
(5)
70400 91400
800 1000
7000 9100
2300 3000
3100 4000
7700 10000
800 1100
3500 4500
(5)
(4)
66900 86900
(3)
9900 12900
1300 1700
6900 9000
8800 11800
8800 11800
(3/3)
12700 16500
2200 2900
9400 12200
12100 15700
12100 15700
(3)
37900 49200
(5)
(4)
(5)
65200 84700
(5)
(4)
62400 81000
30400 39500
(2)
6500 8500
10200 13300
2800 3700
(2)
800 1000
3800 4900
5500 7200
6500 8500
4200 5500
800 1100
10200 13300
2700 3500
6800 8800
5800 7500
3900 5000
10500 13600
13300 17300
LEGEND
1000 = 2016
1000 = 2028
(4) = NO. LANES
SOURCE: NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
LEGEND
1000 = 2016
1000 = 2028
(4) = NO. LAN
SOURCE: NORTH
BEGIN WIDENING
STA 565+56.99
EXISTING ROW
℄ SH114CL STA 576+89.09
END WIDENING
EXISTING BRIDGE
TO REMAIN
℄ SH114CL STA 579+24.81
BEGIN WIDENING
B 114WBFR-EXT
BEGIN CONSTRUCTION
114WBFR-EXT STA 17+17.29
MATCH EXISTING RAMP
09′ 22″ E
20+00
565+00
570+00
575+00
580+00
585+00
590+00
595+00
10+00
15+00
S 56° 17′ 53″ E
20+00
S 60° 26′
600+00
FREEPORT PRWY
DULLES DRIVE
AIRFIELD DRIVE
PLAZA DRIVE
ML
℄
41′
WB GP LNS
17.5′
WB ML
60′
EB GP LNS
2′
3.5′SH
2′SH
2′SH
2′SH
1′
1′
2′SH
1′
12′
12′
12′
12′
12′
12′
12′
12′
10′
LN
LN
LN
ML
LN
LN
LN
LN
SH
2% TYP
2% TYP
BL
62′ (APPROX)
EXISTING BRIDGE
62′ (APPROX)
EXISTING BRIDGE

PROPOSED SH 114 FREEWAY
AT FREEPORT PKWY


SH114CL STA 577+95.23
= CL FREEPORT PRWY
16′5″ CLEARANCE
OVER FREEPORT PKWY
(PER EXISTING SIGNAGE)
544.6
543.5
545.4
546.8
548.3
549.5
552.0
554.0
556.1
557.7
559.4
561.0
562.5
563.7
564.3
564.9
564.4
543.5
558.4
564.6
563.9
562.6
561.3
560.2
558.5
556.8
555.4
553.1
551.2
549.2
547.5
546.0
544.7
543.7
543.2
542.7
542.0
541.3
540.4
+00
565+00
570+00
575+00
580+00
585+00
590+00
595+00
6


ESTERS BLVD
10300 13400
5800 7500
4500 5800
500 600
66900 86900
8800 11800
HOV
12100 15700
10200 13200
13300 17300
3200 4100
(4)
(5)
2400 3100
1600 2100
2800 3700
5500 7100
2300 3000
1100 1400
3600 4700
700 900
8000 10400
17000 22100
72700 94400
9000 11700
63700 82700
72500 94200
9100 11800
63400 82400
7800 10100
9600 12500
4200 5400
3600 4700
1500 2000
3200 4100
1900 2500
4000 5200
8300 10800
600 700
NES
H CENTRAL TEXAS COUNCIL OF GOVERNMENTS
N
ESTERS BLVD
END CONSTRUCTION
114WBEST-EXT STA 16+49.20
MATCH EXISTING RAMP
℄ SH114CL STA 621+46.29
END WIDENING
EXISTING BRIDGE
TO REMAIN
Ⓑ 114WBEST-EXT
Ⓑ 114WBEST-ENT
℄ SH114 CL
END CONSTRUCTION
114WBEST-ENT STA 14+03.12
MATCH EXISTING RAMP
℄ SH114CL STA 622+35.06
BEGIN WIDENING
N 66° 37' 06" E
N 33° 58' 17" E
S 65° 44' 09" E
S 49° 55' 30" E
10+00
15+00
605+00
610+00
615+00
620+00
625+00
630
HEATHROW DRIVE
O HARE DRIVE
ESTERS BLVD
MATCHLINE STA 630+00



LEGEND:

—·—·—	EXISTING RIGHT OF WAY
—·—·—	PROPOSED RIGHT OF WAY (PER ULTIMATE SCHEMATIC)
→	DIRECTION OF TRAFFIC
◆	MANAGED LANE
—	EXISTING PROPERTY LINE
—	PAVEMENT EDGE
—	PROPOSED CURB
—·—·—	PROPOSED CENTERLINE ℄ OR BASELINE Ⓑ
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— — —	EXISTING NOISEWALLS (ULTIMATE BUT ALREADY CONSTRUCTED)
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—·—·—	EXISTING BRIDGE BENT
—‖‖—‖‖—	CONTROL OF ACCESS LINE (PER ULTIMATE SCHEMATIC)
⬜	EXISTING PAVING TO REMAIN
🟪	ROADWAY BY OTHERS - PROPOSED OR UNDER CONSTRUCTION
🟥	PROPOSED MANAGED LANES - HOV
🟫	PROPOSED BRIDGE
🟨	PROPOSED MAINLANES / GENERAL PURPOSE LANES
🟦	PROPOSED RAMP / DIRECT CONNECTOR
🟩	PROPOSED FRONTAGE ROAD / COLLECTOR ROAD
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🟪	INTERIM PAVEMENT
🟧	POTENTIAL DISPLACEMENTS (PER ULTIMATE SCHEMATIC)
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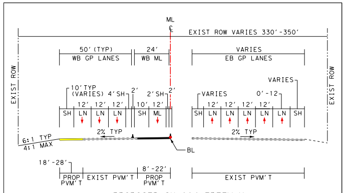

ML
℄
EXIST ROW VARIES 330'-350'
EXIST ROW
50' (TYP)
WB GP LANES
24'
WB ML
VARIES
EB GP LANES
10' TYP
(VARIES)
4' SH
2'
2' SH
2'
VARIES
0'-12
VARIES
12'
10'
SH
LN
ML
2% TYP
6:1 TYP
4:1 MAX
BL
18'-28'
8'-22'
PROP PVM'T
EXIST PVM'T

PROPOSED SH 114 FREEWAY
EAST OF FREEPORT PKWY TO HACKBERRY CREEK

VERTICAL ALIGNMENT FROM RECORD DRAWINGS

APPROX SH 114 STA	ORIG PLAN STA	TYPE	G1	G2	LENGTH(FT)	K	MEETS 60 MPH CRITERIA
599+39	60+88	SAG	-0.600%	0.280%	200	227	YES
610+51	72+00	CREST	0.280%	-0.500%	250	321	YES
623+51	85+00	CREST	-0.500%	-1.508%	250	248	YES

NOTES:
1. VERTICAL ALIGNMENT DATA TAKEN FROM RECORD DRAWINGS FROM PLAN SETS SHOWN
2. RELATIVE PLAN LOCATIONS FOR VERTICAL CURVES ARE APPROXIMATE
3. VALUES OBTAINED FROM TXDOT PLAN SET REFERENCE 0353-04-029 (COMPLETED 1973)

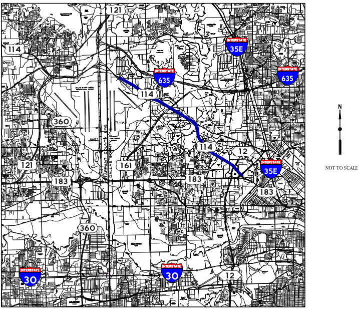
DRAFT SCHEMATIC
Preliminary, Subject to Change

TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT / FORT WORTH DISTRICT
WILLIAM L. HALE, P.E., DALLAS DISTRICT ENGINEER

PUBLIC MEETING SCHEMATIC - INTERIM CONFIGURATION
SH 114 - COMPONENT 4
DALLAS/TARRANT COUNTY

CSJ: 0353-04-056

	SH 183	LOOP 12	SH 114
SCHEMATIC ROLL:	X	X	X
AVG DAILY TRAFFIC:	XX,XXX (2020) XX,XXX (2035)	XX,XXX (2020) XX,XXX (2035)	XXX,XXX (2020) XXX,XXX (2035)
FUNCTIONAL CLASS:	URBAN FREEWAY	URBAN FREEWAY	URBAN FREEWAY
FROM:	W. OF FM 157	SH 183	SP 97 (INT'L PW)
TO:	IH 35E	IH 35E	SH 183
LENGTH:	14.79 MILES	2.14 MILES	8.88 MILES
DESIGN SPEED			
MAINLANES	70 mph	60 mph	60 mph
INTERIM MAINLANES	60 mph	N/A	N/A
MANAGED LANES/HOV:	70 mph	60 mph	60 mph
INTERIM ML/HOV:	60 mph	N/A	N/A
DIRECT CONNECTORS:	50 mph	50 mph	50 mph
RAMPS:	45 mph	45 mph	45 mph
INTERIM RAMPS:	40 mph	N/A	N/A
FRONTAGE RDS:	40 mph	40 mph	40 mph
INTERIM FTG RDS:	35 mph	N/A	N/A
CROSS STREETS:	40 mph	40 mph	40 mph


121
114
635
35E
635
114
360
114
12
121
161
183
35E
183
183
360
30
30
12
TARRANT COUNTY LINE
DALLAS
N
NOT TO SCALE

LOCATION MAP
NOT TO SCALE

Scale:
0 100 200
HORIZONTAL SCALE IN FEET

0 10 20
VERTICAL SCALE IN FEET

February 20, 2014
Roll 1 of 6

PRELIMINARY
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