ROLL 1 OF 5 STA. 91+00 TO STA. 133+00

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
WILLIAM L. HALE, P.E., DISTRICT ENGINEER
SH 183 REEVALUATION DESIGN SCHEMATIC

SH 183 FROM WEST OF SH 161 TO IH 35E DALLAS COUNTY

CSJ: 0094-03-065 FROM 1.2 MILES EAST OF SH 360 TO 0.66 MILE WEST OF LOOP 12, PROJECT LENGTH 6.69 MILES

CSJ: 0094-07-015 FROM 1.0 MILES EAST OF LOOP 12 TO WEST END OF ELM FORK TRINITY BRIDGE, PROJECT LENGTH 0.3 MILE

CSJ: 0094-07-020 FROM WEST END OF ELM FORK TRINITY BRIDGE TO IH 35E, PROJECT LENGTH 1.1 MILES

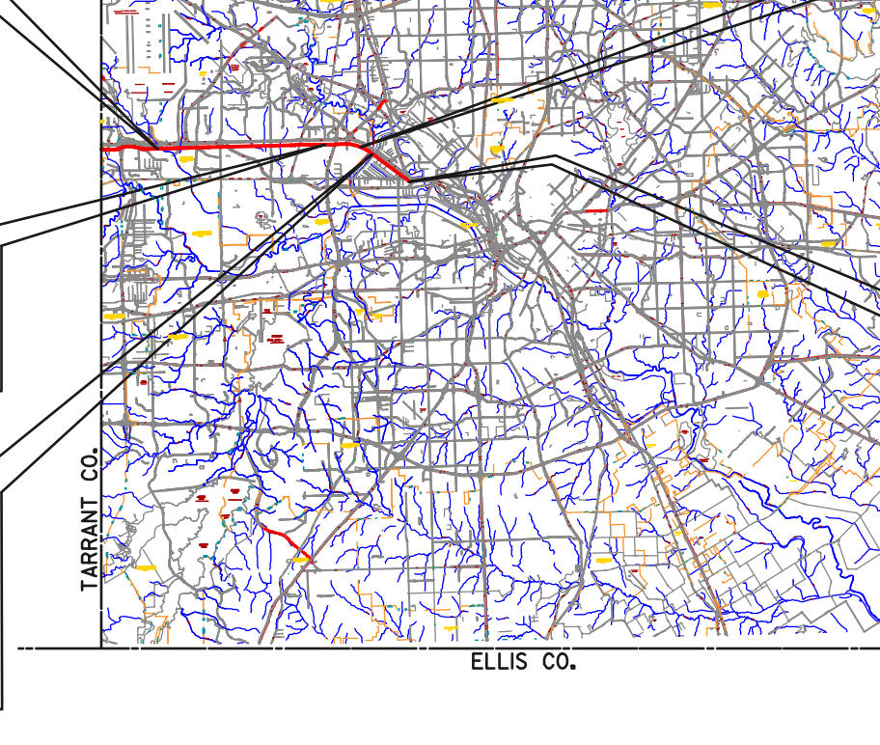
DESIGN SPEED

FREEWAY = 70 mph
RAMPS = 50 mph
RAMP ERW168 = 40 MPH
DIRECT CONNECTORS = 50 mph
SH 161 DIRECT CONNECTORS (DCW139, DCW146, DCE149, DCE177, DCN733) = 35 MPH
FRONTAGE ROADS = 40 mph
CROSS STREETS = 40 mph
MANAGED LANES - HOV = 70 mph

AVERAGE DAILY TRAFFIC 2000 (2029)

IH 35E TO LOOP 12	174,100 (278,600)
LOOP 12 TO SH 360	216,900 (347,300)

ROADWAY: URBAN FREEWAY



DENTON CO.
COLLIN CO.
TARRANT CO.
ROCKWALL CO.
KAUFMAN CO.
ELLIS CO.

BEGIN PROJECT
SH 183 ℄ STA. 91+00
CSJ NO. 0094-03-065

BEGIN PROJECT
SH 183 ℄ STA. 531+25
CSJ NO. 0094-07-015

END PROJECT
SH 183 ℄ STA. 443+33
CSJ NO. 0094-03-065

END PROJECT
CSJ NO. 0094-07-015
AND BEGIN PROJECT
CSJ NO. 0094-07-020
SH183 ℄ STA. 549+50

END PROJECT
SH 183 ℄ STA. 607+03
CSJ NO. 0094-07-020

DRAFT SUBMITTAL

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

DATE APPROVED

DATE SUBMITTED
AUGUST 15, 2006

DATE REVISED
MARCH 13, 2012

HALFF ASSOCIATES, INC.
TBPE FIRM #F-312
These documents are not intended for Construction, Bidding, or Permit Purposes. They were prepared by, or under the supervision of:

Matthew G. Craig	69910	03-13-12
Type or Print Name	PE#	Date

HORIZONTAL: 0 50 100 200 300
VERTICAL: 0 10 20 30
SCALE IN FEET

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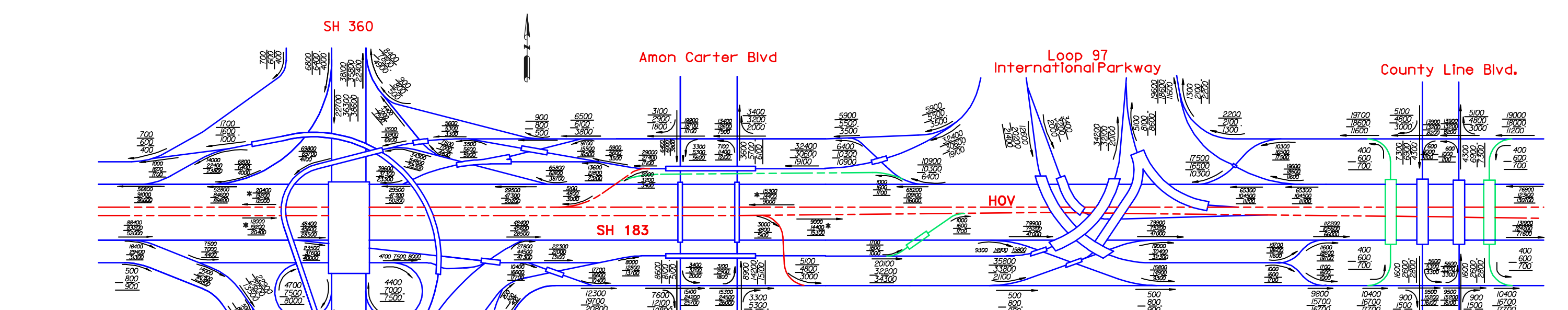
ROLL 1 OF 5



SH 360
Amon Carter Blvd
Loop 97 International Parkway
County Line Blvd.
SH 183
HOV

TRAFFIC VOLUME DIAGRAM

N.T.S.

LEGEND:
1000 - 2000 ADT
1000 - 2029 ADT
1000 - 2039 ADT

* VOLUMES ADJUSTED BY HALFF ASSOCIATES (JUNE 13, 2006) FOR SH 183 REEVALUATION. VOLUMES ADJUSTED TO ACCOUNT FOR CONCURRENT MANAGED LANES.

ORIGINAL SOURCE: TxDOT TP&P APPROVED TRAFFIC (DECEMBER 5, 2003). 2003 APPROVED VOLUMES BASED ON REVERSIBLE MANAGED LANES.

LEGEND

- EXISTING R.O.W.
- APPROVED 2004 SCHEMATIC - PROPOSED R.O.W.
- REEVALUATION PROPOSED R.O.W. (ADDITIONAL)
- DIRECTION OF TRAFFIC
- EXISTING PROPERTY LINE
- 100 FLOODPLAIN LIMITS
- EXISTING CONTOURS
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- EXISTING STORM SEWER CENTERLINE
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING PIPELINE
- EXISTING FIBER OPTIC /CABLE TV
- EXISTING FIBER OPTIC /TELEPHONE TRUNK
- EXISTING FIBER OPTIC
- EXISTING TU ELECTRIC TRANSMISSION
- ● EXISTING POWER POLE
- PAVEMENT EDGE
- PAVEMENT TO BE REMOVED
- PROPOSED SH 183 CENTERLINE
- DRAINAGE DIRECTION
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- CONTROL OF ACCESS LINE
- PROPOSED MANAGED LANES - HOV
- PROPOSED BRIDGE
- PROPOSED SH 183 MAINLANES
- PROPOSED RAMP /DIRECT CONNECT
- PROPOSED FRONTAGE /COLLECTOR ROAD
- PROPOSED CROSS & LOCAL STREET
- EXISTING BRIDGE
- EXISTING SH 183 MAINLANES
- EXISTING RAMP /DIRECT CONNECT
- EXISTING FRONTAGE /COLLECTOR ROAD
- EXISTING CROSS & LOCAL STREET
- APPROVED 2004 SCHEMATIC - POTENTIAL DISPLACEMENTS
- REEVALUATION POTENTIAL DISPLACEMENTS (ADDITIONAL)

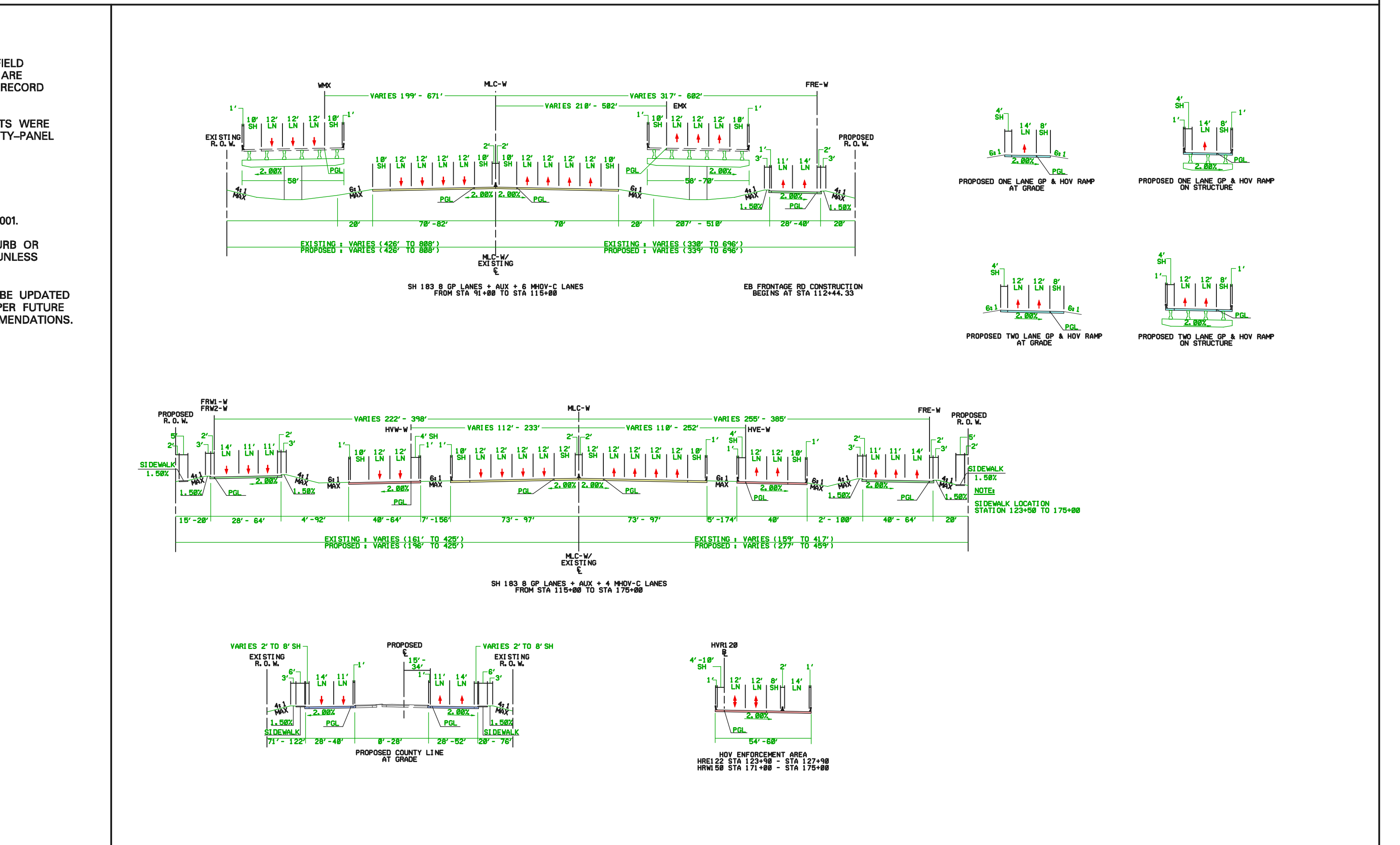
NOTES

1.) EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATIC LAYOUTS ARE BASED ON AERIAL SURVEY AND RECORD PLANS ONLY.

2.) THE FLOODPLAIN BOUNDARY LIMITS WERE OBTAINED FROM FIRM COMMUNITY-PANEL NUMBERS:
48113C0285 J
48113C0305 J
48113C0310 J
48113C0330 J
48113C0340 J
ALL MAPS REVISED AUGUST 23, 2001.

3.) DIMENSIONS ARE TO FACE OF CURB OR EDGE OF UNCURBED PAVEMENT UNLESS NOTED OTHER WISE.

4.) ALL MANAGED LANE SIGNS WILL BE UPDATED DURING THE DESIGN STAGE AS PER FUTURE MANAGED LANE SIGNAGE RECOMMENDATIONS.

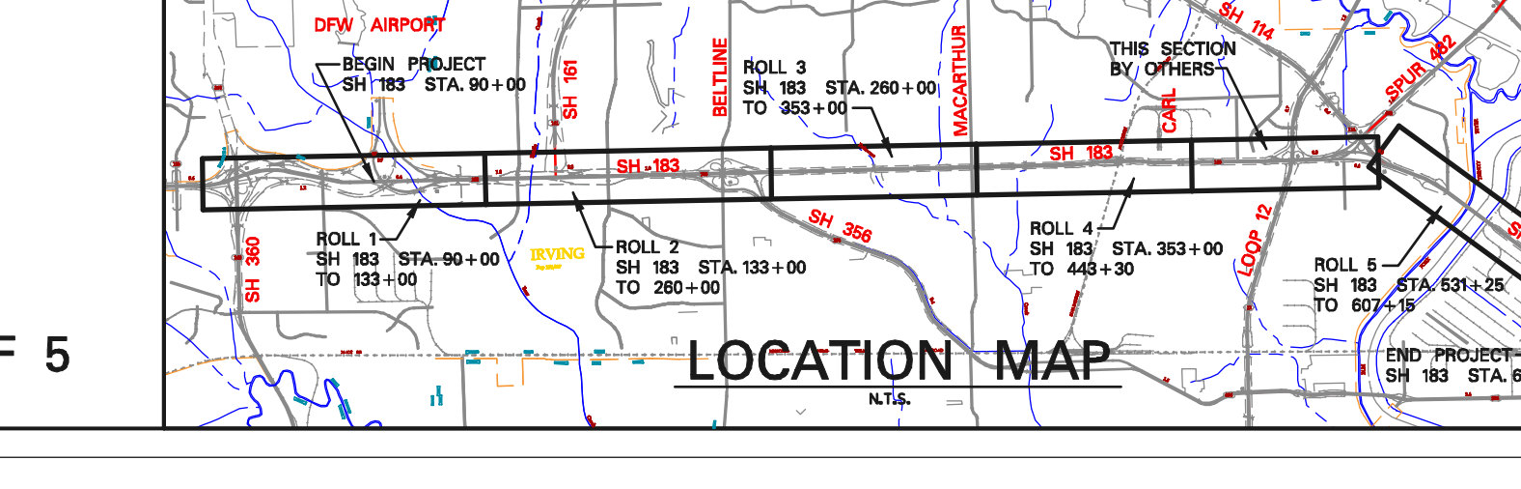


SH 183 8 GP LANES + AUX + 6 HHOV-C LANES FROM STA 91+00 TO STA 115+00
EB FRONTAGE RD CONSTRUCTION BEGINS AT STA 112+44.33
PROPOSED ONE LANE GP & HOV RAMP AT GRADE
PROPOSED ONE LANE GP & HOV RAMP ON STRUCTURE
PROPOSED TWO LANE GP & HOV RAMP AT GRADE
PROPOSED TWO LANE GP & HOV RAMP ON STRUCTURE
SH 183 8 GP LANES + AUX + 4 HHOV-C LANES FROM STA 115+00 TO STA 175+00
PROPOSED COUNTY LINE AT GRADE
HOV ENFORCEMENT AREA
SIDEWALK LOCATION STATION 123+50 TO 175+00

TYPICAL SECTIONS

N.T.S.

NOTES:
1) FRONTAGE ROADS AND CROSS STREETS UTILIZE 2% TYPICAL CROSS SLOPE. CROSS SLOPE TRANSITIONS FOR INTERSECTION GRADING ARE NOT SHOWN ON SCHEMATICS.
2) THE IMPLEMENTATION OF SHARED USE LANES AND CONTINUOUS SIDEWALKS MAY REQUIRE A SHORT WALL ADJACENT TO THE SIDEWALK IN VARIOUS LOCATIONS TO MAINTAIN GRADING WITHIN THE ROW BORDER WIDTH. THESE SHORT WALLS MAY BE MINIMIZED OR ELIMINATED DURING PS&E DEVELOPMENT.



DFW AIRPORT
BEGIN PROJECT SH 183 STA. 90+00
ROLL 1 SH 183 STA. 90+00 TO 133+00
ROLL 2 SH 183 STA. 133+00 TO 260+00
ROLL 3 SH. 183 STA. 260+00 TO 353+00
ROLL 4 SH 183 STA. 353+00 TO 443+30
ROLL 5 SH 183 STA. 531+25 TO 607+15
THIS SECTION BY OTHERS
END PROJECT SH 183 STA. 607+16
SH 360
SH 161
BELTLINE
MACARTHUR
LOOP 12
SH 114
SH 356
SH 183
IH 35E

LOCATION MAP

N.T.S.

MATCH LINE - SEE INSET, THIS SHEET
CITY OF FORT WORTH (AIRPORT)
FORT WORTH, CITY OF (AIRPORT) (1)
DALLAS, CITY OF (AIRPORT) (1)
MINTER CHAPEL ROAD
BEAR CREEK
SH 183
SH 360
AMON CARTER BLVD
INTERNATIONAL PKWY
COUNTY LINE RD
EXISTING ROADWAY TO REMAIN
CR SMITH MUSEUM FND. (4601)
CENTREPORT DEVELOPERS LLC (14404)
CENTREPORT DEVELOPERS LLC (14501)
CENTREPORT DEVELOPERS LLC (4949)
CENTREPORT VENTURE INC (4950)
KUBOTA TRACTOR CORP
MOUNTAIN VENTURE WNG LLC (4924)
HANEY, MAXINE E
CLUBWISE FINANCE LP (15000)
CENTREPORT PROPERTIES INC
MOTHERAL, DAPHNE
NORTH STAR CENTREPORT LLC (4690)
JAADA HOLDING (5310)
CASTLEBERRY & RAY -TR
STRIMPLE DAN REED (5330)
DEDRED PROPERTIES (5320)
TEXAS STATE OF (5224)
WAGGONER FAMILY PPTIES INC (5200)
S & I TRANSPORTATION INC (5180)
STRIMPLE DAN REED 5310 W AIRPORT FWY
CITY OF FORT WORTH
CITY OF IRVING
Amon Carter Blvd EXIT 1/2 MILE
Amon Carter Blvd EXIT ONLY
TOLL LANE EXIT TO DFW Airport
DFW Airport EXIT ONLY
TOLL LANE TEXAS 183 TOLL Dallas
TOLL LANE TEXAS 161 NORTH EXIT ONLY
161 Esters Rd 1 1/4
Esters Rd 3/4
356 Irving Blvd 1 1/2
Irving Blvd 1 3/4
Belt Line Rd 2 1/2
Story Rd 2 1/2
TEXAS 161 EXIT 1/2 MILE
CANTILEVERED OVERHEAD SIGN SUPPORT STA 115+00
CANTILEVERED OVERHEAD SIGN SUPPORT STA 98+40
CANTILEVERED OVERHEAD SIGN SUPPORT STA 2544+50
BRIDGE SIGN SUPPORT STA 124+00
OVERHEAD SIGN BRIDGE STA 115+08
OVERHEAD SIGN BRIDGE STA 115+00
STA 74+00 (LOOKING EAST)
MATCH LINE ML - STA. 133+00
PRELIMINARY SCHEMATIC

THIS AREA SHOWN FOR REFERENCE ONLY. PROPOSED IMPROVEMENTS REPRESENTED BY DASHED LINES WERE DEVELOPED AND APPROVED BY TxDOT FORT WORTH DISTRICT AS PART OF THE SH 183/SH 121 (AIRPORT FREEWAY) PROJECT, CSJ: 0094-02-077, ETC.

PROPOSED IMPROVEMENTS REPRESENTED BY DASHED LINES WERE DEVELOPED AND APPROVED AS PART OF THE SH 183/SH 121 (AIRPORT FREEWAY) PROJECT, CSJ: 0094-02-077, ETC.

BEGIN PROJECT
BEGIN CONSTRUCTION
CSJ: 0094-03-065
MLC-W STA 91+00.00
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
WGPX STA 4515+94.70

BEGIN PROJECT
BEGIN CONSTRUCTION
CSJ: 0094-03-065
ERE083 STA 17+14.79
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
EF500X STA 5365+22.66

ERE100 STA. 14+29.54
MATCH EXIST. PAVEMENT

BEGIN CONSTRUCTION
CSJ: 0094-03-065
DCW117 STA 111+35.00
MATCH EXISTING PAVEMENT

BEGIN CONSTRUCTION
CSJ: 0094-03-065
DCE117 STA 116+68.10
MATCH EXISTING PAVEMENT

BEGIN CONSTRUCTION
CSJ: 0094-03-065
HRE123 STA 115+00
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
ER7510 STA 7540+69.16

BEGIN CONSTRUCTION
CSJ: 0094-03-065
FRE-W STA 112+44.33
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
EF514 STA 537+74.60

BEGIN CONSTRUCTION
CSJ: 0094-03-065
HVE-W STA 114+67.08
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
EMX STA 1540+64.74

BEGIN CONSTRUCTION
CSJ: 0094-03-065
FRW1-W STA 117+74.67
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
WF650X STA 6544+13.92

TRANSITION TO EXISTING ROADWAY TO BE COORDINATED WITH THE CITY OF IRVING

BEGIN CONSTRUCTION
CSJ: 0094-03-065
HVW-W STA 124+87.41
MATCH SH 183 SCHEMATIC BY OTHERS
CSJ: 0094-02-077
WMX STA 2550+09.78

FUTURE DART RAIL ALIGNMENT (ALTERNATIVE 4 - ELEVATED)

MANAGED LANES - HOV CONNECTION TO SH 161

MANAGED LANES - HOV ENFORCEMENT AREA

PROPOSED CHANGEABLE MESSAGE SIGN LOCATION EASTBOUND MANAGED LANES STA 131+00

CNTYLN STA. 1721+44.12
MATCH EXIST. PAVEMENT

CURVE DATA

HVE-W - PROPOSED EB HOV LANES									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
HVE-W-6	117+98.05	9°40′38.01″	3820.00	323.37	645.20	N 83°15′00.25″ E	644.43	114+74.68	121+19.88

HVW-W - PROPOSED HOV LANES									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
HVW-W-3	126+08.19	1°12′27.90″	11459.00	120.78	241.55	N 88°37′50.05″ E	241.54	124+87.41	127+28.96

FRE-W - PROPOSED EB FRONTAGE ROAD									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
FRE-W-5	114+34.20	15°06′21.62″	1432.00	189.87	377.55	N 85°57′52.05″ E	376.45	112+44.33	116+21.87
FRE-W-6	120+89.12	4°16′58.86″	1432.00	53.55	107.05	S 88°37′26.57″ E	107.02	120+35.57	121+42.62
FRE-W-7	123+91.86	11°45′24.71″	955.00	98.33	195.96	N 83°21′21.64″ E	195.62	122+93.54	124+89.50
FRE-W-8	128+81.95	11°45′24.71″	2292.00	235.98	470.31	N 83°21′21.64″ E	469.48	126+45.96	131+16.27

FRW1-W - PROPOSED WB FRONTAGE ROAD									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
FRW1-W-2	118+86.29	13°18′57.32″	955.00	111.48	221.95	S 84°06′27.34″ E	221.45	117+74.81	119+96.76
FRW1-W-3	125+89.16	13°59′49.22″	955.00	117.23	233.30	S 83°46′01.39″ E	232.72	124+71.93	127+05.23
FRW1-W-4	128+99.20	15°12′17.12″	955.00	127.46	253.43	S 84°22′15.34″ E	252.69	127+71.73	130+25.16

DCE117 - PROPOSED EB ENTRANCE FROM INTERNATIONAL PKWY									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
DCE117-1	116+88.46	8°44′54.02″	2864.79	219.13	437.42	N 79°29′09.75″ E	436.99	114+69.33	119+06.75
DCE117-2	121+21.89	5°22′27.25″	4584.00	215.14	429.97	N 86°32′50.38″ E	429.81	119+06.75	123+36.72

DCW117 - PROPOSED WB EXIT TO INTERNATIONAL PKWY									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
DCW117-1	110+47.20	4°37′42.66″	2864.79	115.78	231.43	S 69°40′07.17″ E	231.36	109+31.42	111+62.85
DCW117-2	114+60.17	14°46′57.50″	2292.00	297.33	591.35	S 79°22′27.25″ E	589.71	111+62.85	117+54.20
DCW117-3	120+99.18	4°00′00.00″	2865.00	100.05	200.01	S 88°45′56.00″ E	199.97	119+99.13	121+99.14

ERE083 - PROPOSED EB FRONTAGE EXIT TO INTERNATIONAL PKWY									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
ERE083-2	26+03.68	60°06′26.19″	900.00	520.74	944.16	N 25°56′40.27″ E	901.46	20+82.94	30+27.10

ERE100 - PROPOSED EB ENTRANCE FROM AMON CARTER									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
ERE100-1	10+97.67	3°54′18.43″	2865.00	97.67	195.27	N 59°14′07.52″ E	195.23	10+00.00	11+95.27
ERE100-2	14+05.40	1°55′55.62″	1432.39	24.15	48.30	N 62°09′14.55″ E	48.30	13+81.24	14+29.54
ERE100-3	15+79.91	20°24′59.57″	835.00	150.36	297.54	N 73°19′42.14″ E	295.97	14+29.54	17+27.09
ERE100-4	22+94.28	4°48′57.39″	2865.00	120.48	240.81	N 85°56′40.62″ E	240.74	21+73.80	24+14.61

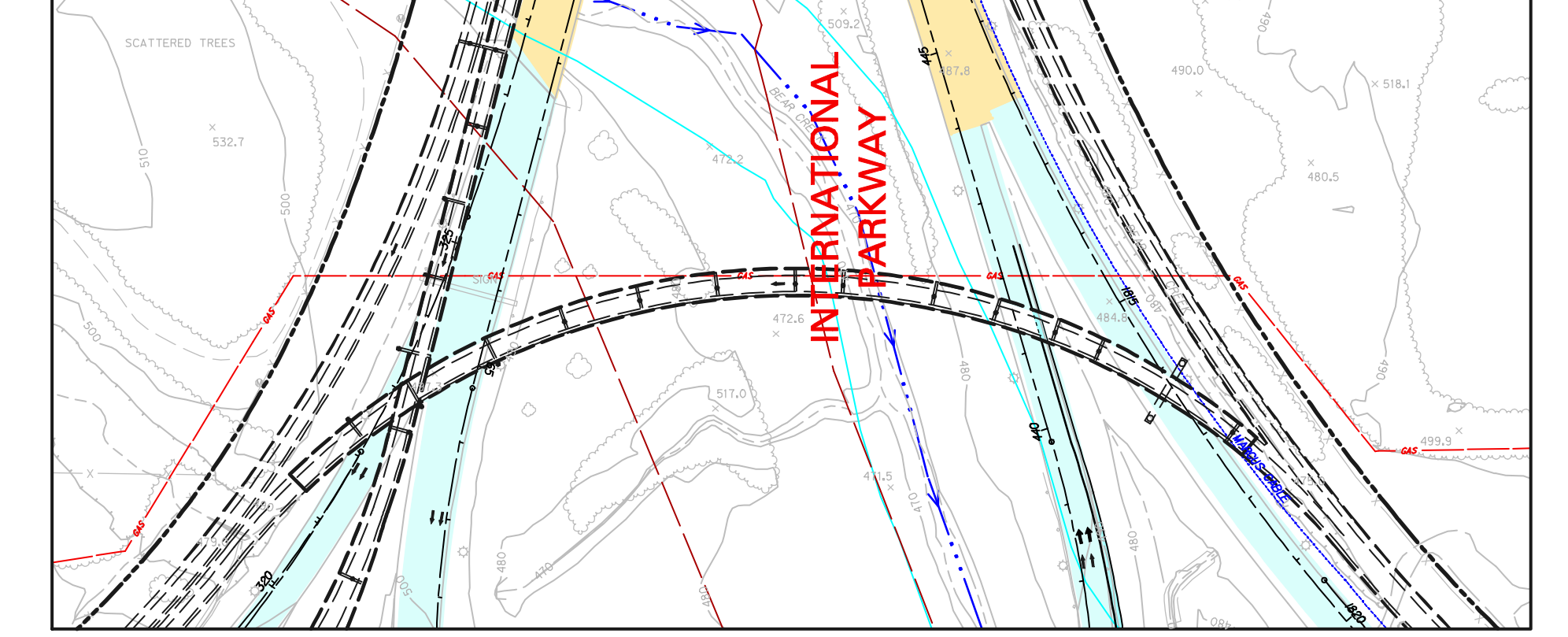
ERW105 - PROPOSED WB ENTRANCE FROM COUNTY LINE RD									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
ERW105-1	15+91.29	4°02′52.34″	2864.79	101.24	202.39	N 86°40′42.04″ E	202.35	14+90.05	16+92.44
ERW105-2	22+75.39	17°33′44.77″	835.00	128.98	255.95	N 75°52′23.49″ E	254.95	21+46.41	24+02.35
ERW105-3	27+29.73	26°50′23.21″	835.00	199.23	391.15	N 80°30′42.71″ E	387.58	25+30.49	29+21.64

HRW101 - PROPOSED WB HOV EXIT TO INTERNATIONAL PKWY									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
HRW101-1	11+12.57	4°30′00.00″	2865.00	112.57	225.02	S 18°39′57.19″ E	224.96	10+00.00	12+25.02
HRW101-2	20+81.83	51°57′59.49″	835.00	406.95	757.33	S 46°53′56.93″ E	731.64	16+74.87	24+32.21
HRW101-3	28+00.75	6°24′13.96″	1000.00	55.94	111.77	S 69°40′49.70″ E	111.71	27+44.81	28+56.58
HRW101-4	31+69.41	4°00′00.00″	2865.00	100.05	200.01	S 68°28′42.72″ E	199.97	30+69.36	32+69.37

HRE122 - PROPOSED EB HOV EXIT TO NB SH 161									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
HRE122-1	117+38.48	10°49′22.76″	2865.00	271.40	541.19	N 83°49′22.62″ E	540.39	114+67.08	120+08.27

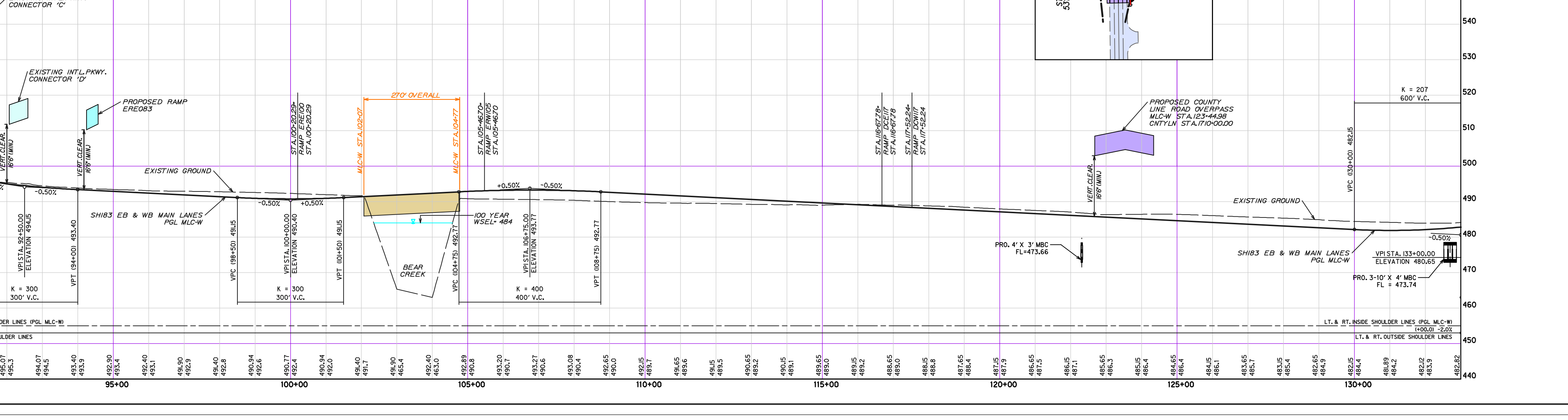
HRE123 - PROPOSED EB HOV ENTRANCE FROM INTERNATIONAL PKWY									
CURVE	P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION
HRE123-3	118+10.43	10°49′22.76″	3820.00	361.87	721.59	N 83°49′22.62″ E	720.51	114+48.56	121+70.14
HRE123-4	136+03.56	1°40′16.09″	3823.68	55.77	111.52	S 89°55′47.95″ E	111.52	135+47.79	136+59.31

PRELIMINARY SCHEMATIC



INTERNATIONAL PARKWAY

INSET



TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
WILLIAM L. HALE, P.E., DISTRICT ENGINEER
SH 183 REEVALUATION DESIGN SCHEMATIC

SH 183 FROM WEST OF SH 161 TO IH 35E DALLAS COUNTY

CSJ: 0094-03-065 FROM 1.2 MILES EAST OF SH 360 TO 0.66 MILE WEST OF LOOP 12, PROJECT LENGTH 6.69 MILES

CSJ: 0094-07-015 FROM 1.0 MILES EAST OF LOOP 12 TO WEST END OF ELM FORK TRINITY BRIDGE, PROJECT LENGTH 0.3 MILE

CSJ: 0094-07-020 FROM WEST END OF ELM FORK TRINITY BRIDGE TO IH 35E, PROJECT LENGTH 1.1 MILES

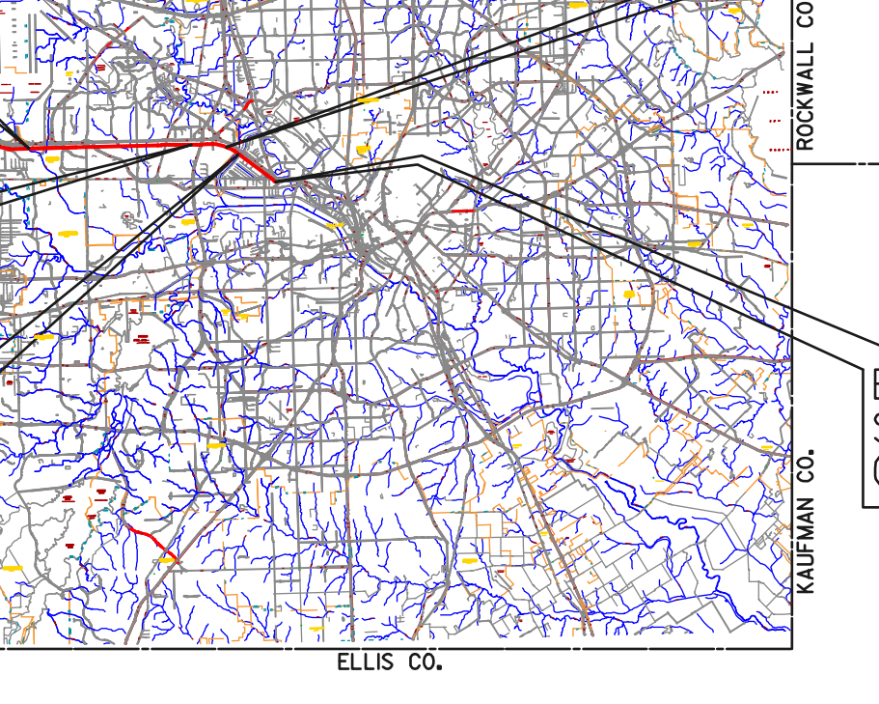
DESIGN SPEED

FREEWAY = 70 mph
RAMPS = 50 mph
RAMP ERW168 = 40 MPH
DIRECT CONNECTORS = 50 mph
SH 161 DIRECT CONNECTORS (DCW139, DCW146, DCE149, DCE177, DCN733) = 35 MPH
FRONTAGE ROADS = 40 mph
CROSS STREETS = 40 mph
MANAGED LANES - HOV = 70 mph

AVERAGE DAILY TRAFFIC 2000 (2029)

IH 35E TO LOOP 12 174,100 (278,600)
LOOP 12 TO SH 360 216,900 (347,300)

ROADWAY: URBAN FREEWAY



DENTON CO.
COLLIN CO.
TARRANT CO.
ROCKWALL CO.
KAUFMAN CO.
ELLIS CO.

BEGIN PROJECT
SH 183 ℄ STA. 91+00
CSJ NO. 0094-03-065

BEGIN PROJECT
SH 183 ℄ STA. 531+25
CSJ NO. 0094-07-015

END PROJECT
SH 183 ℄ STA. 443+33
CSJ NO. 0094-03-065

END PROJECT
CSJ NO. 0094-07-015
AND BEGIN PROJECT
CSJ NO. 0094-07-020
SH183 ℄ STA. 549+50

END PROJECT
SH 183 ℄ STA. 607+03
CSJ NO. 0094-07-020

DRAFT SUBMITTAL

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

DATE APPROVED

DATE SUBMITTED
AUGUST 15, 2006

DATE REVISED
MARCH 13, 2012

HALFF ASSOCIATES, INC.
TBPE FIRM #F-312
These documents are not intended for Construction, Bidding, or Permit Purposes. They were prepared by, or under the supervision of:
Matthew G. Craig 69910 03-13-12
Type or Print Name PE# Date

HORIZONTAL: 0 50 100 200 300
VERTICAL: 0 10 20 30
SCALE IN FEET

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ROLL 1 OF 5

ROLL 1 OF 5 STA. 91+00 TO STA. 133+00