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

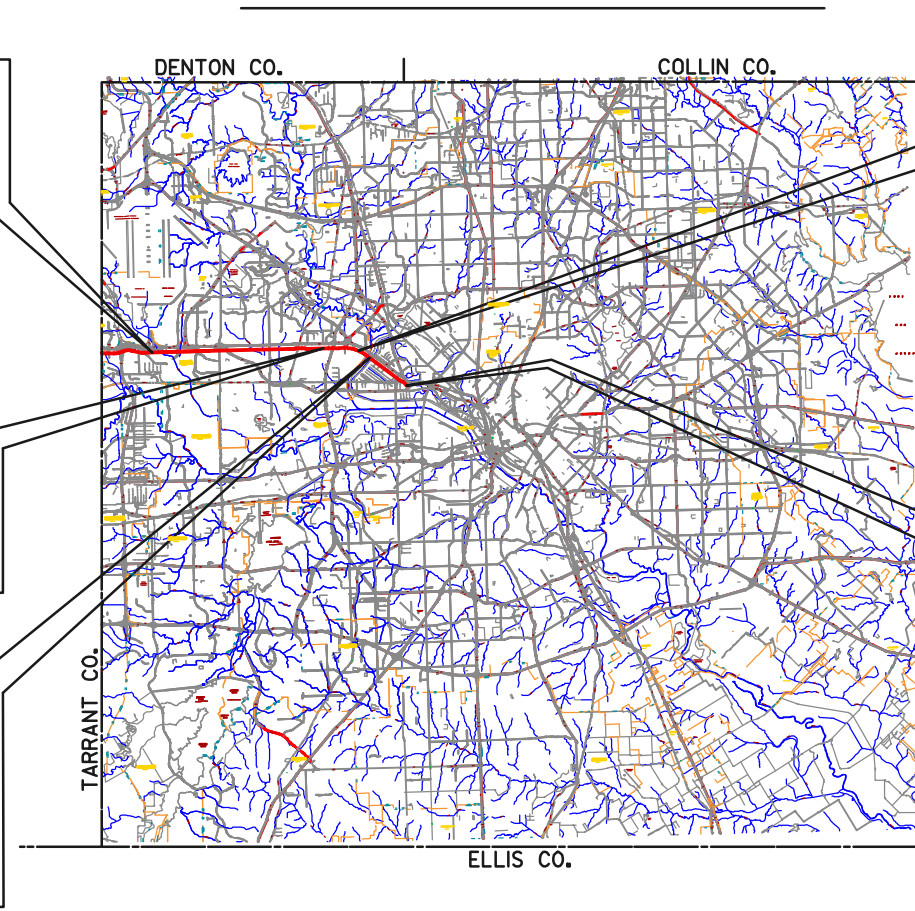
DESIGN SPEED

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

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

DRAFT SUBMITTAL
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

DATE APPROVED

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

DATE SUBMITTED
AUGUST 15, 2006

DATE REVISED
MARCH 13, 2012

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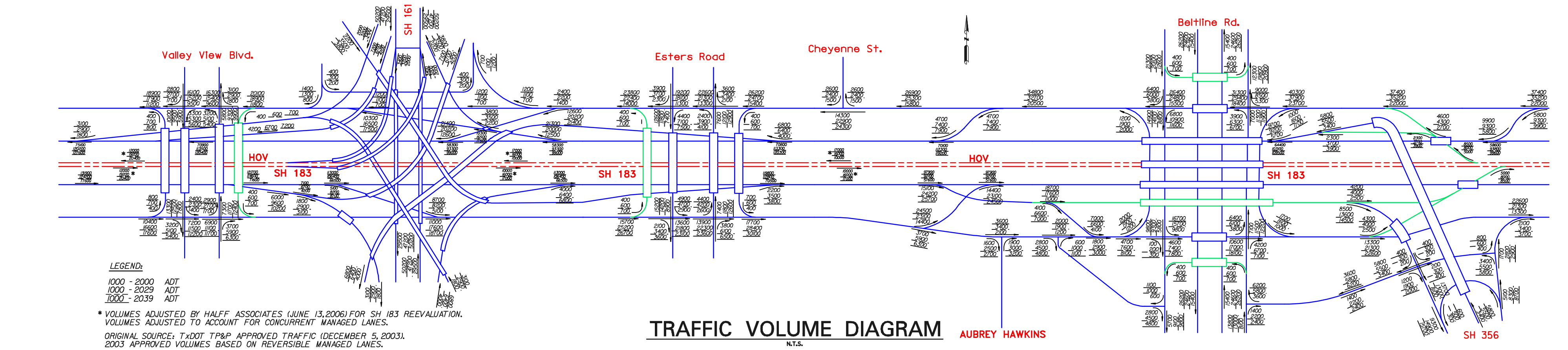
HORIZONTAL
VERTICAL
SCALE IN FEET

ROLL 2 OF 5



Valley View Blvd.
SH 161
Esters Road
Cheyenne St.
Beltline Rd.
HOV
SH 183
AUBREY HAWKINS
SH 356

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.

TRAFFIC VOLUME DIAGRAM

N.T.S.

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)

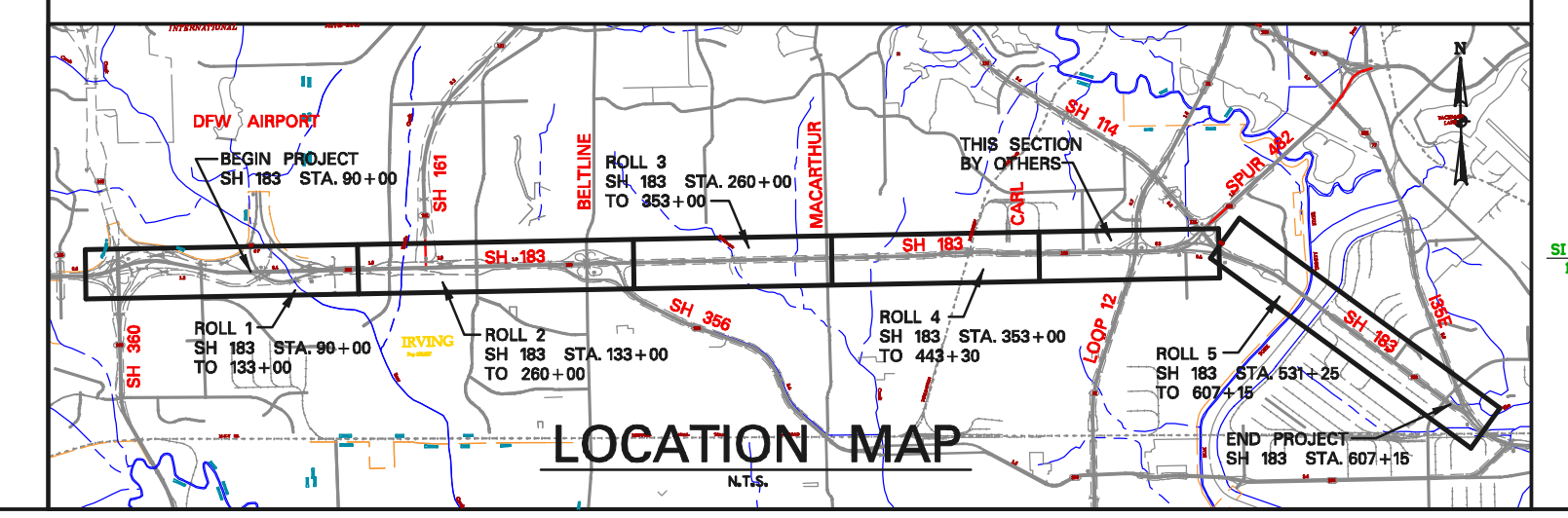
NOTES

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.

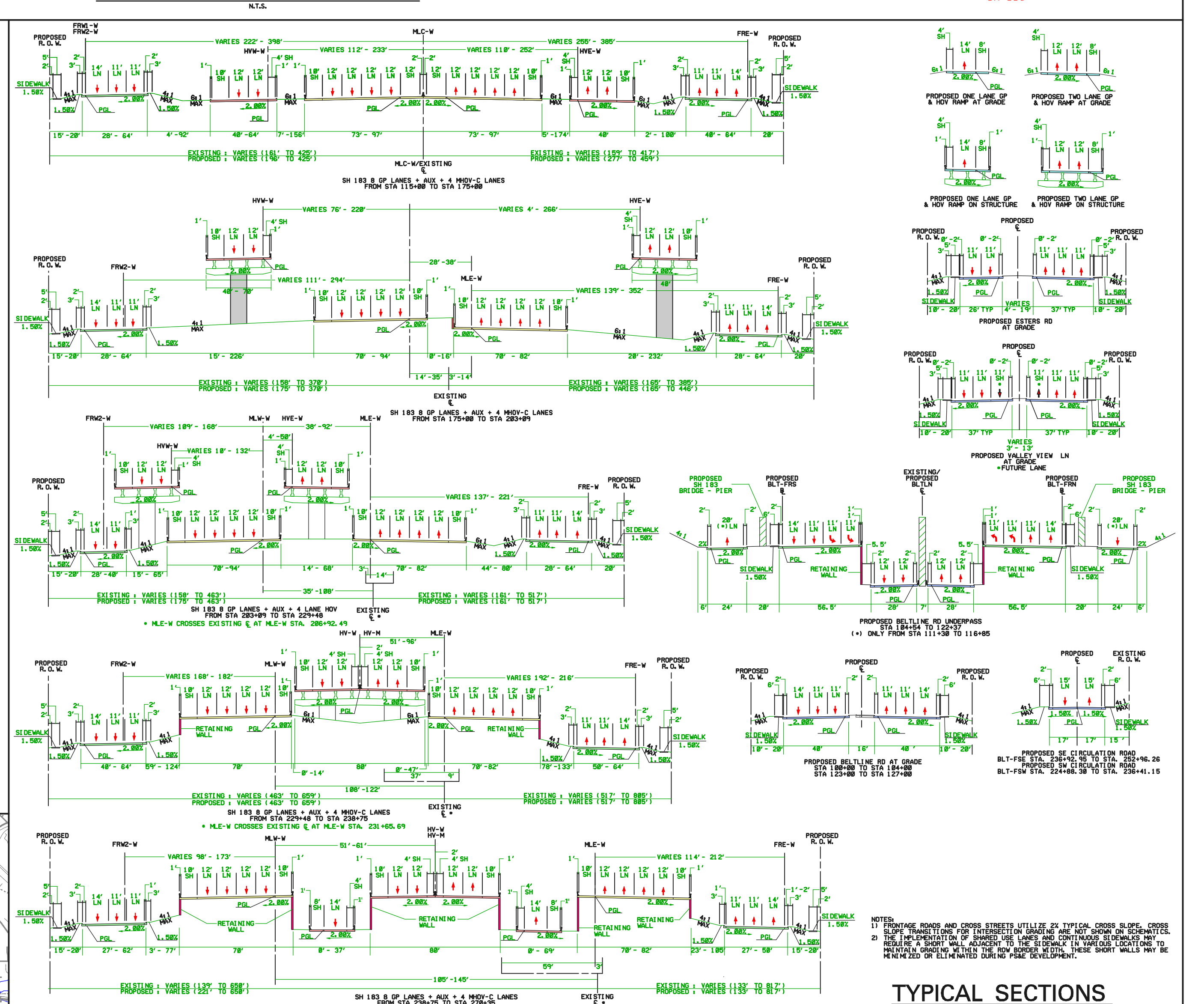
4.) ALL MANAGED LANE SIGNS WILL BE UPDATED DURING THE DESIGN STAGE AS PER FUTURE MANAGED LANE SIGNAGE RECOMMENDATIONS.



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+18
THIS SECTION BY OTHERS
END PROJECT SH 183 STA. 607+18
SH 360
SH 161
BELTLINE
MACARTHUR
LOOP 12
IH 35E
SH 114
SH 183

LOCATION MAP

N.T.S.



SH 183 8 GP LANES + AUX + 4 MHOV-C LANES FROM STA 115+00 TO STA 175+00
SH 183 8 GP LANES + AUX + 4 MHOV-C LANES FROM STA 175+00 TO STA 203+89
SH 183 8 GP LANES + AUX + 4 LANE HOV FROM STA 203+89 TO STA 229+46
SH 183 8 GP LANES + AUX + 4 MHOV-C LANES FROM STA 229+46 TO STA 238+75
SH 183 8 GP LANES + AUX + 4 MHOV-C LANES FROM STA 238+75 TO STA 278+35
PROPOSED ESTERS RD AT GRADE
PROPOSED VALLEY VIEW LN AT GRADE
PROPOSED BELTLINE RD UNDERPASS
PROPOSED BELTLINE RD AT GRADE
PROPOSED SE CIRCULATION ROAD

NOTES:
1) FRONTAGE ROADS AND CROSS STREETS UTILIZE 2% TYPICAL CROSS SLOPE. CROSS SLOPE TRANSITIONS FOR INTERSECTION GRADING ARE NOT SHOWN ON SCHEMATIC.
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.

TYPICAL SECTIONS

N.T.S.

PRELIMINARY SCHEMATIC

SEE ROLL 2B
MATCH LINE SH 161 STA. 722+00

MATCH LINE ML - STA. 133+00
MATCH LINE ML - STA. 260+00
TOLL LANE EXIT TO DFW Airport ½ MILE
Amon Carter Blvd 1
360 Arlington Grand Prairie 1¾
10 Euless Dr 3
161 North South EXIT ONLY
Esters Rd EXIT ¼ MILE
DFW Airport EXIT ½ MILE
TOLL LANE EXIT TO DFW Airport 1 MILE
356 Irving Blvd 1
Belt Line Rd
Story Rd 1¾
Esters Rd
TOLL LANE 183 1 MILE
TOLL LANE TO Carl Rd HOV 2+ $X.XX 1 OCCUPANT $X.XX PAY BY MAIL $X.XX
TOLL LANE 183 ¾ MILE
DFW Airport 1¼ Amon Carter Blvd 1¾
360 Arlington Grand Prairie 2½
161 North Valley View Ln EXIT ONLY
County Line Rd Use Valley View Ln Exit
161 South EXIT ONLY
TOLL LANE 183 NEXT EXIT
Story Rd ¾ MacArthur Blvd O'Connor Rd 2
356 Irving Blvd Belt Line Rd EXIT ONLY
TOLL LANE 183 AHEAD
161 North Valley View Ln EXIT ¾ MILE
161 South EXIT ONLY
356 Irving Blvd
TOLL LANE 183
Belt Line Rd
Story Rd EXIT ONLY
TOLL LANE 183 WEST
TOLL LANE EXIT TO Belt Line Rd
TOLL LANE 183 LEFT LANE
Story Rd EXIT ONLY
VALLEY VIEW LN
SH 161
HARDROCK RD
ESTERS RD
SH 183
CHEYENNE ST
ESTRADA PKWY
AUBREY HAWKINS LN
BELT LINE RD
IMPERIAL DR
BELT LINE ROAD IMPROVEMENTS CONTINUE; SEE ROLL 2B
RAMPS CONTINUE; SEE ROLL 2B
BELT LINE ROAD IMPROVEMENTS CONTINUE; SEE ROLL 2B
DELTA AIRLINES INC (2901)
CEMETERY
GANGA HOSPITALITY INC (4940)
VEERAN MAHMOOD (4900)
PANADE LTD (2100)
LMC PROPERTIES (5100)
STONEBRIDGE IRVING VENTURE (2200)
MASWA LTD (2330)
FELCOR JPM HOTELS LLC (4650)
DFW JOSEPH INVESTMENTS LLC (4600)
MAHKYAA HOTEL LLC (4440)
DRURY SOUTHWEST INC (1920)
STEAK N SHAKE OPERATIONS (4235)
GMRI TEXAS LP (4205)
HOODA CORP INC (4125)
BRE LQ TX PROPERTIES LP (4105)
RUSSELL D ALLEN (2201)
WAL MART REAL ESTATE (4100)
SOUTHLAND CORP. (4318)
IRVING PANDA BBQ INC (4104)
ASBURY AUTO TX REAL EST HLD LLC (3900)
BHP INVESTMENTS CO (3950)
BROMONT PAVILION MIDSTAR (3907)
SERVICE KING PAINT & (3910)
CARS DB4 LP (3800)
SIMON PROPERTY GROUP (3602)
IRVING SUPER MART LLC (3602)
DILLARD TEXAS OPERATING
SHADY GROVE INVESTMENT CO. (3524)
HALLE PPTIES LLC (3516)
POLYGON ENTS INC (3514)
ARTHUR ROLANDS (3650)
PEP BOYS MANNY MOE & JACK (1950)
BELTLINE/AIRPORT FWY JOINT VENTURE (3401)
BELTLINE/AIRPORT FWY JOINT VENTURE (2350)
HERRING INVESTMENTS LTD (2302)
IMPERIAL AIRPORT (3201)
TOYS R US DELAWARE INC (3225)
HERRING INV (2901)
TRINITY CHRISTIAN CENTER (3000)
IRVING MALL

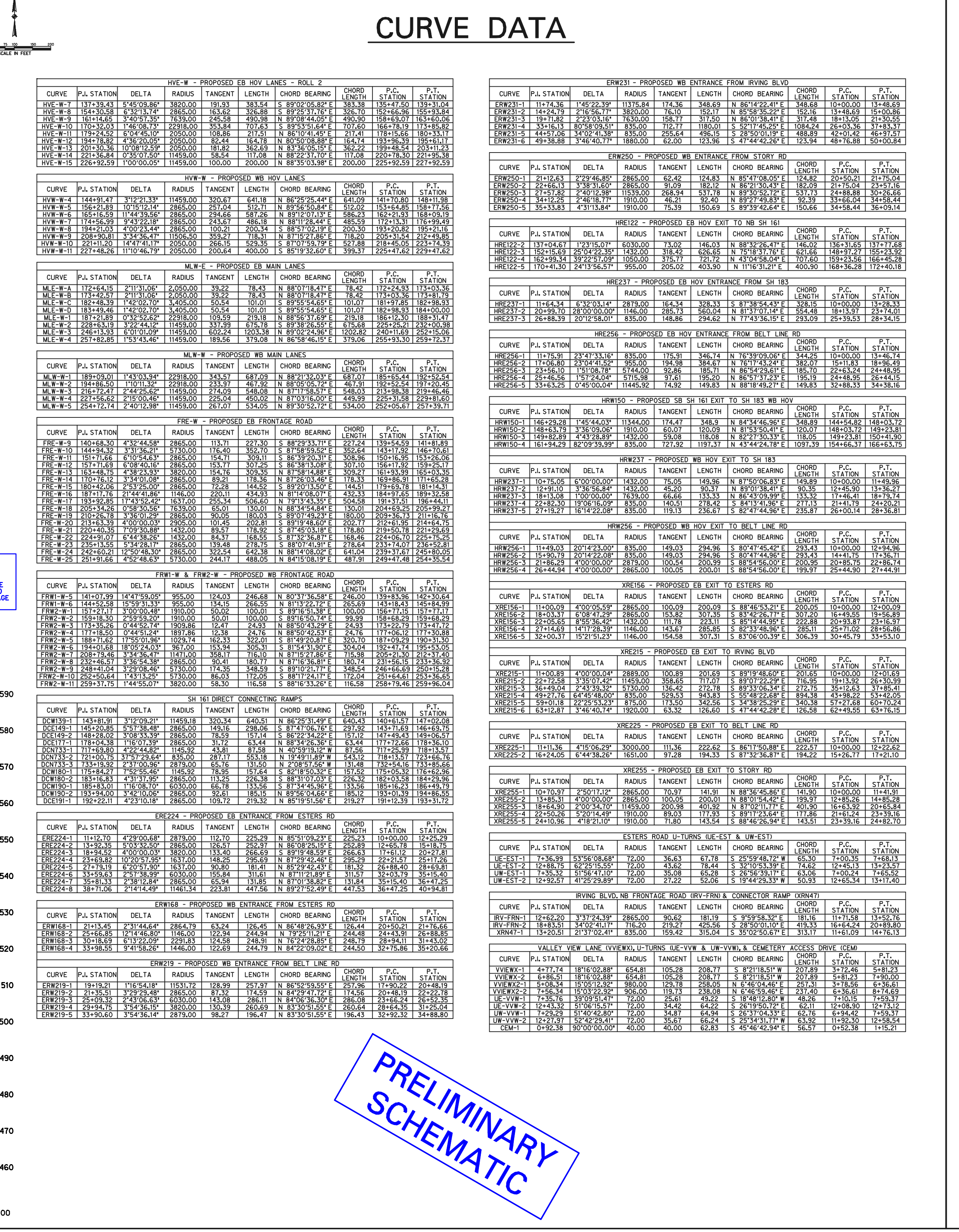
NOTE: THE PROPOSED EB SH 183 FRONTAGE ROAD FROM STA. 252+69 TO 308+00 WAS LET IN AUGUST 2010 TO GO TO CONSTRUCTION. THIS PROJECT INCLUDES CONSTRUCTING ALL PROPOSED NOISE WALLS OUTSIDE THE EB FRONTAGE ROAD BETWEEN STA. 252+46 AND 326+45 AND NOISE WALLS OUTSIDE THE WB FRONTAGE ROAD BETWEEN STA. 361+16 AND 391+91.

PROPOSED SH 183 MAIN LANE AND MANAGED HOV PROFILE

PROPOSED VALLEY VIEW LANE WEST U-TURN
EXISTING VALLEY VIEW LANE OVERPASS
PROPOSED VALLEY VIEW LANE EAST U-TURN
PROPOSED HOV RAMP HRE122
FUTURE SH161 CONNECTOR 'G'
EXISTING SH161 CONNECTOR 'F'
FUTURE SH161 MAIN LANES
FUTURE SH161 CONNECTOR 'H'
EXISTING SH161 CONNECTOR 'E'
PROPOSED ESTERS ROAD OVERPASS
PROPOSED ESTERS RD. & U-TURNS
BEGIN CANTILEVER OVER EB SH 183 MAIN LANES MAINTAIN CLEARANCE
BEGIN CANTILEVER OVER WB SH 183 MAIN LANES MAINTAIN CLEARANCE
SH183 HOV LANES PGL HVE-W
SH183 WB MAIN LANES PGL MLW-W
SH183 EB MAIN LANES PGL MLE-W
END CANTILEVER OVER WB SH 183 MAIN LANES
END CANTILEVER OVER EB SH 183 MAIN LANES
PROPOSED BELT LINE ROAD UNDERPASS
PROPOSED BELT LINE FRONTAGE ROADS & U-TURNS
PROPOSED RAMP HRE256
PROPOSED RAMP HRW256
BEGIN HVW-W PGL STA. 245+00 SEE ROLL 2A FOR HV-W PGL WEST OF STA. 245+00
400' OVERALL
EXISTING GROUND
SH183 EB & WB MAIN LANES PGL MLC-W
590
580
570
560
550
540
530
520
510
500
490
480
470
460
135+00
140+00
145+00
150+00
155+00
160+00
165+00
170+00
175+00
180+00
185+00
190+00
195+00
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
240+00
245+00
250+00
255+00
260+00

PRELIMINARY SCHEMATIC

CURVE DATA



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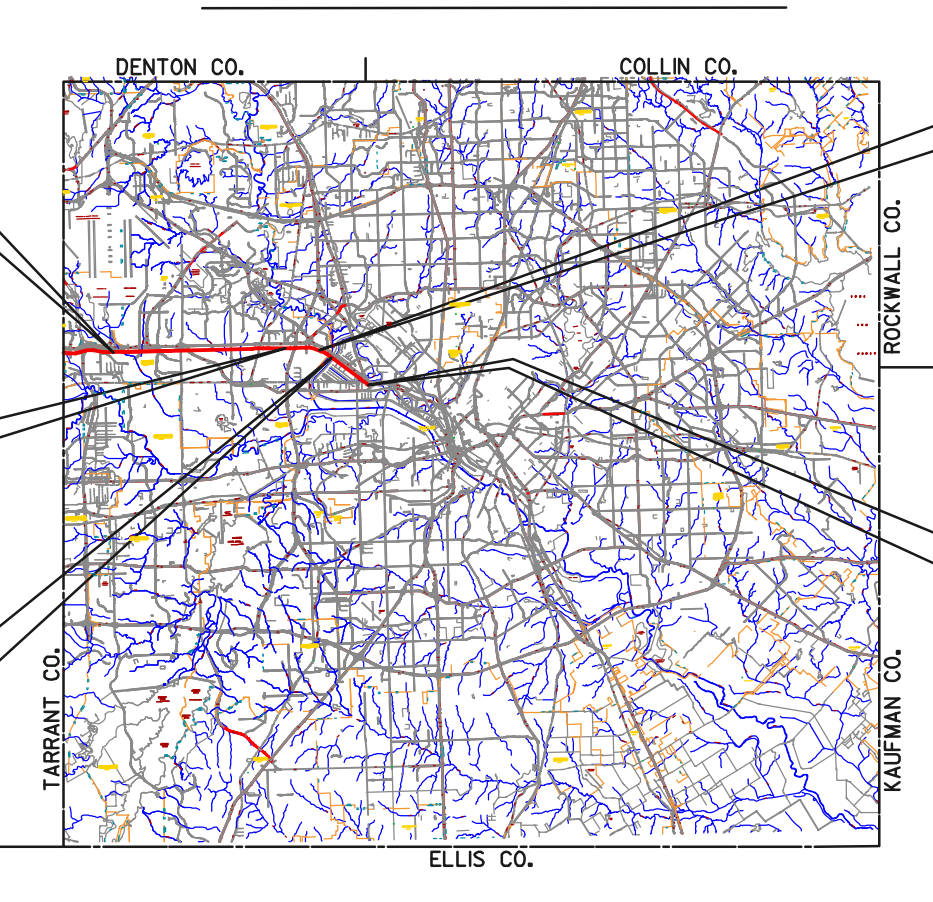

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CSJ NO. 0094-03-065

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

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

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ROLL 2 OF 5