STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT

DISTRICT ENGINEER, JAMES K. SELMAN, P.E.

STATE LOOP 9
DESIGN SCHEMATIC

FROM: IH 35E

TO: IH 45

CITIES OF LANCASTER, RED OAK, FERRIS AND WILMER

DALLAS AND ELLIS COUNTIES

CSJ: 2964-10-005

FUNCTIONAL CLASSIFICATION:
LOOP 9: RURAL FREEWAY
IH 35E: URBAN FREEWAY
IH 45: RURAL FREEWAY

LOOP 9, IH 35E, AND IH 45 DESIGN SPEED	
MAIN LANES:	70 MPH
FRONTAGE ROADS:	50 MPH
RAMPS:	50 MPH
BUSINESS 45:	50 MPH
SH 342:	50 MPH
HOUSTON SCHOOL RD:	40 MPH
NAKOMIS RD:	30 MPH
REINDEER RD:	30 MPH
LOCAL SIDE STREETS:	30 MPH
JUG HANDLES:	25 MPH
U-TURNS:	25 MPH

E MAX: 6%

PROJECT LENGTH: 10.00 MILES

PROJECT DESCRIPTION:
CONSTRUCT 0 TO 2 (ULTIMATE 6) LANE FRONTAGE ROADS.

LOCATION MAP

TEXAS COUNTY MAP
DALLAS DISTRICT

HORIZ. 1"=200'
VERT. 1"=20'

PHASE I & II

PRELIMINARY

THIS PRINT IS FURNISHED FOR INFORMATION ONLY. THE PLAN INFORMATION OR OTHER DATA SHOWN HEREIN IS SUBJECT TO CHANGE AND IS NOT TO BE USED AS A CONTRACT OR FOR CONSTRUCTING, BIDDING OR PERMITTING

P.E. JAMES KRESELL, N.D. 58013
DATE 3/30/2017

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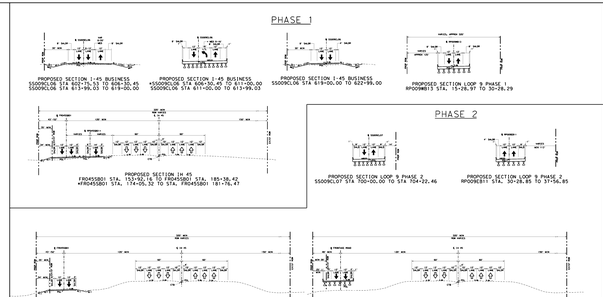


PROPOSED SECTION 1 IH 35E BUSINESS S500010LC0 STA 813+00.45 TO STA 820+00.00	PROPOSED SECTION 2 IH 35E BUSINESS S500010LC0 STA 820+00.00 TO STA 817+00.00	PROPOSED SECTION 3 IH 35E BUSINESS S500010LC0 STA 819+00.00 TO 822+98.00	PROPOSED SECTION LOOP 9 PHASE 1 RPO09B013 STA. 13+26.97 TO 30+26.29
PROPOSED SECTION IH 45 RF0455B01 STA. 153+92.16 TO RF0455B01 STA. 185+38.42 HF0045B01 STA. 174+05.32 TO STA. RF0455B01 181+78.47	PROPOSED SECTION LOOP 9 PHASE 1 S500010LC0T STA 700+00.00 TO STA 704+52.46	PROPOSED SECTION LOOP 9 PHASE 2 RPO09B013 STA. 30+28.85 TO 37+56.85	
PROPOSED SECTION IH 45 RF0455B01 STA. 100+00.00 TO RF0455B01 STA. 113+00.00 RF0455B01 STA. 152+00.00 TO RF0455B01 STA. 153+92.16	PROPOSED SECTION IH 45 FR0455B01 STA. 113+00.00 TO FR0455B01 STA. 153+92.16		

RF0455B01:1	RF0455B01:2	RF0455B01:3	RF0455B01:4	RF0455B01:5	RF0455B01:6
PI Sta = 118+41.70 Δ = 0° 54' 36" (LT) D = 0° 51' 11.7" T = 161.98 L = 321.98 R = 6,000.00 PC Sta = 116+79.70 PT Sta = 120+01.67	PI Sta = 173+43.91 Δ = 1° 53' 53" (LT) D = 0° 38' 45.3" T = 101.93 L = 203.86 R = 5,900.00 PC Sta = 172+46.08 PRC Sta = 174+81.53	PI Sta = 173+30.98 Δ = 0° 42' 30" (LT) D = 0° 42' 58.3" T = 106.96 L = 212.00 R = 5,900.00 PRC Sta = 174+81.53 PRC Sta = 176+91.97	PI Sta = 141+83.48 Δ = 0° 25' 46" (LT) D = 0° 21' 25.1" T = 49.36 L = 98.71 R = 5,900.00 PRC Sta = 136+91.97 PRC Sta = 146+73.84	PI Sta = 149+74.54 Δ = 0° 42' 58" (LT) D = 0° 42' 58.3" T = 106.96 L = 212.00 R = 5,900.00 PRC Sta = 146+73.84 PT Sta = 152+74.96	PI Sta = 162+55.16 Δ = 0° 22' 21" (LT) D = 0° 19' 22.6" T = 57.46 L = 114.00 R = 6,000.00 PC Sta = 159+21.22 PT Sta = 160+86.87

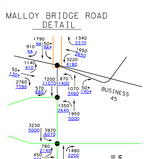
CONTROL OF ACCESS			
CSJ NAME	STATION	OFFSET	RT/LT
BEGIN	100+00.00	52.00	L
END	113+00.00	52.00	L
BEGIN	152+00.00	52.00	L
END	161+92.16	52.00	L

S500010LC0:1	S500010LC0:2	S500010LC0:3	RPO09B013:2
PI Sta = 607+94.92 Δ = 0° 01' 45.1" (LT) D = 0° 53.30" T = 106.23 L = 197.46 R = 6,500.00 PC Sta = 605+88.69 PT Sta = 611+86.15	PI Sta = 625+34.86 Δ = 0° 20' 25.28" (LT) D = 1° 18.68" T = 112.39 L = 1,230.98 R = 4,700.00 PC Sta = 623+22.46 PT Sta = 635+47.95	PI Sta = 702+6.91 Δ = 17° 50' 55.7" (LT) D = 1° 32.96" T = 1,153.32 L = 2,316.78 R = 3,500.00 PC Sta = 691+53.60 PT Sta = 715+48.16	PI Sta = 34+65.32 Δ = 19° 11' 03.11" (LT) D = 0° 17.50" T = 1,317.03 L = 2,603.01 R = 6,000.00 PC Sta = 33+28.35 PT Sta = 59+31.36

RPO09B011:1	RPO09B011:2	RPO09B011:3	RPO09B011:4
PI Sta = 10+37.46 Δ = 0° 51' 11.8" (RT) D = 0° 51' 11.7" T = 57.46 L = 114.00 R = 6,000.00 PC Sta = 10+00.00 PT Sta = 12+14.01	PI Sta = 17+75.70 Δ = 0° 25' 54.2" (LT) D = 0° 38.2" T = 160.79 L = 320.58 R = 6,000.00 PRC Sta = 14+74.91 PT Sta = 19+96.31	PI Sta = 18+80.40 Δ = 0° 42' 58.3" (RT) D = 0° 42' 58.3" T = 118.38 L = 234.61 R = 5,900.00 PC Sta = 17+62.04 PT Sta = 19+96.64	PI Sta = 23+57.78 Δ = 0° 42' 58.3" (LT) D = 0° 42' 58.3" T = 118.43 L = 234.72 R = 5,900.00 PC Sta = 21+98.36 PT Sta = 25+16.05

S500010LC0:4	S500010LC0:5	RPO09B011:5
PI Sta = 34+65.32 Δ = 19° 11' 03.11" (LT) D = 0° 17.50" T = 1,317.03 L = 2,603.01 R = 6,000.00 PC Sta = 33+28.35 PT Sta = 59+31.36	PI Sta = 28+75.40 Δ = 0° 35.32" D = 0° 35.49" T = 117.84 L = 235.35 R = 5,900.00 PC Sta = 27+57.56 PT Sta = 29+92.12	PI Sta = 23+57.78 Δ = 0° 42' 58.3" (LT) D = 0° 42' 58.3" T = 118.43 L = 234.72 R = 5,900.00 PC Sta = 21+98.36 PT Sta = 25+16.05

LEGEND

2020 ADT
2040 ADT

- EXISTING ROAD NETWORK TO REMAIN
- PROPOSED LOOP 9 DESIGN (PHASE I)
- PROPOSED LOOP 9 DESIGN (PHASE II)
- INTERIM PAVEMENT SHIFT
- PROPOSED BRIDGE LOCATION
- MAJOR PROPOSED INTERSECTION