# 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

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

PHASE I & II

TEXAS COUNTY MAP
DALLAS DISTRICT

**PRELIMINARY**

THIS PRINT IS FURNISHED FOR INFORMATION ONLY. THE PLAN INFORMATION OR OTHER DATA SHOWN HEREIN IS SUBJECT TO CHANGE AND MAY NOT BE SUFFICIENT OR ACCURATE FOR CONSTRUCTING, BIDDING OR PERMITTING

BY: J.L. BRYAN-HUGHES, R.A. 10813
DATE: 3/30/2017
SUBMITTED: 3/30/2017

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ATKINS
TBPE REG. NF-474
16383 PRESTON RD, SUITE #300
DALLAS, TEXAS 75248
PHONE: 972-818-7275
FAX: 1-972-380-2909



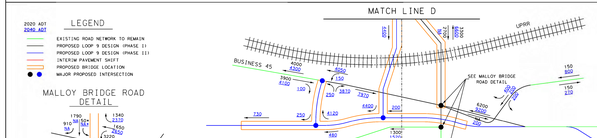
PHASE 1

PHASE 2

| FR045S801:1 | FR045S801:2 | FR045S801:3 | FR045S801:4 | FR045S801:5 | FR045S801:6 |
|---|---|---|---|---|---|
| PI Sta = 114+41.70<br>Δ = 0° 57' 14.7" (RT)<br>D = 0° 57' 17.7"<br>T = 141.98<br>L = 281.99<br>R = 6,000.00<br>PC Sta = 113+75.70<br>PT Sta = 120+03.61 | PI Sta = 137+43.91<br>Δ = 1° 08' 53.5" (LT)<br>D = 1° 08' 45.0"<br>T = 181.93<br>L = 361.83<br>R = 5,000.00<br>PC Sta = 135+86.08<br>PRC Sta = 139+81.53 | PI Sta = 137+36.98<br>Δ = 1° 08' 53.5" (LT)<br>D = 0° 52' 56.3"<br>T = 166.46<br>L = 330.91<br>R = 6,500.00<br>PRC Sta = 139+81.53<br>PRC Sta = 136+91.97 | PI Sta = 141+65.48<br>Δ = 0° 52' 56.3" (LT)<br>D = 0° 41' 25.12"<br>T = 151.50<br>L = 301.12<br>R = 8,000.00<br>PRC Sta = 139+81.53<br>PRC Sta = 146+73.84 | PI Sta = 149+74.54<br>Δ = 0° 41' 25.12" (LT)<br>D = 0° 42' 58.3"<br>T = 300.70<br>L = 597.71<br>R = 8,000.00<br>PRC Sta = 146+73.84<br>PRC Sta = 152+71.55 | PI Sta = 162+55.16<br>Δ = 0° 42' 58.3" (LT)<br>D = 0° 59' 22.65"<br>T = 227.46<br>L = 451.90<br>R = 5,800.00<br>PC Sta = 159+21.22<br>PT Sta = 163+86.87 |

| CONTROL OF ACCESS | | | |
|---|---|---|---|
| CL-ONE | STATION | OFFSET | RT/LT |
| BEGIN | FR045S801 | 100+00.00 | 52.00' L |
| END | FR045S801 | 152+92.16 | 52.00' L |
| BEGIN | FR045S801 | 161+01.59 | 52.00' L |
| END | FR045S801 | 174+05.32 | 52.00' L |

| SS009CLOS:1 | SS009CLOS:2 | SS009CLOT:1 | SS009CLOT:2 | RPO09B01:1 | RPO09B01:2 |
|---|---|---|---|---|---|
| PI Sta = 607+94.92<br>Δ = 0° 01' 45.1" (LT)<br>D = 0° 01' 53.30"<br>T = 106.23<br>L = 211.46<br>R = 3,000.00<br>PC Sta = 716+75.70<br>PT Sta = 718+87.16 | PI Sta = 625+34.86<br>Δ = 0° 21' 25.28" (LT)<br>D = 1° 09' 18.68"<br>T = 116.37<br>L = 1,230.98<br>R = 5,000.00<br>PC Sta = 623+96.96<br>PT Sta = 635+27.95 | PI Sta = 702+61.91<br>Δ = 17° 50' 55.7" (LT)<br>D = 0° 57' 32.96"<br>T = 115.32<br>L = 225.76<br>R = 6,000.00<br>PC Sta = 701+49.40<br>PT Sta = 703+75.16 | PI Sta = 704+65.32<br>Δ = 10° 17' 03.1" (LT)<br>D = 0° 57' 17.50"<br>T = 53.97<br>L = 1,017.03<br>R = 6,000.00<br>PC Sta = 704+11.35<br>PT Sta = 714+28.38 | PI Sta = 28+75.40<br>Δ = 4° 20' 55.32" (LT)<br>D = 1° 34' 35.49"<br>T = 11.54<br>L = 23.09<br>R = 3,600.00<br>PC Sta = 28+63.86<br>PT Sta = 28+86.95 | PI Sta = 34+55.32<br>Δ = 0° 11' 47.7" (LT)<br>D = 0° 34' 36.7"<br>T = 29.25<br>L = 58.50<br>R = 5,800.00<br>PC Sta = 34+26.05<br>PT Sta = 34+84.55 |

| RPO045S801:1 | RPO045S801:2 | RPO045S801:3 | RPO045S801:4 |
|---|---|---|---|
| PI Sta = 10+37.46<br>Δ = 0° 57' 17.5" (RT)<br>D = 0° 57' 17.5"<br>T = 37.46<br>L = 74.92<br>R = 6,000.00<br>PC Sta = 10+00.00<br>PRC Sta = 10+74.91 | PI Sta = 17+75.70<br>Δ = 0° 57' 17.5" (LT)<br>D = 0° 25' 34.62"<br>T = 160.79<br>L = 320.57<br>R = 6,000.00<br>PRC Sta = 16+74.91<br>PT Sta = 19+96.31 | PI Sta = 19+80.40<br>Δ = 0° 57' 17.5" (RT)<br>D = 0° 25.49"<br>T = 116.38<br>L = 232.76<br>R = 6,000.00<br>PC Sta = 17+62.04<br>PT Sta = 19+98.64 | PI Sta = 23+57.78<br>Δ = 0° 57' 17.5" (LT)<br>D = 0° 25' 36.42"<br>T = 158.43<br>L = 316.00<br>R = 6,000.00<br>PC Sta = 21+99.36<br>PT Sta = 25+15.35 |

* DENOTES SUBMI DETAIL