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 IS NOT TO BE USED AS A BASIS FOR CONSTRUCTING, BIDDING OR PERMITTING

BY: J. BRYAN HUGHES, R.A. 18013
DATE: 9/20/2017

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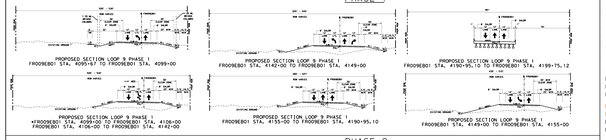
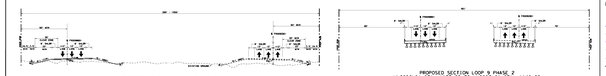
TBPE REG. NF-474

ROLL 2 OF 8
MARCH 2017

PHASE 1



PHASE 2



PLAN LEGEND

- PROPOSED R/W
- EXISTING ROW
- FUTURE ROW
- CONTROL OF ACCESS ROW
- PERMANENT DRAINAGE EASEMENT
- PROPERTY LINES
- CONSTRUCTION EASEMENT
- COUNTY LINE
- PROPOSED PHASE I ROADWAY
- PROPOSED PHASE II ROADWAY
- FUTURE IMPROVEMENTS
- PROPOSED BRIDGE PHASE I
- PROPOSED BRIDGE PHASE II
- PHASE I TEMPORARY ACCESS
- FLOOD PLAIN
- TRANSMISSION LINES
- PHASE I REMOVAL
- PHASE II REMOVAL

PROFILE LEGEND

- PROPOSED POL AT EBFB
- EXISTING GROUND AT EBFB
- PROPOSED POL AT WBFB
- EXISTING GROUND AT WBFB

TYPICAL SECTION LEGEND

- EXISTING LANE DIRECTION
- PROPOSED LANE DIRECTION
- EXISTING CONSTRUCTION
- PROPOSED CONSTRUCTION

NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS WERE DEVELOPED USING DALLAS DATED DECEMBER 2012 AND AERIAL PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE POL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR BACK OF CURB, WALL, BARRIER, OR RAIL, UNLESS NOTED OTHERWISE.
4. APPROACH 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA 50 DATA. (NOT IN FEMA DALLAS METRO) AND NEI-SPECIFIC HYDROLOGY AND HYDRAULIC ANALYSIS.
5. FEMA DATA IS CURRENT AS OF DECEMBER 2, 2010 (DALLAS AND ELLIS COUNTY APPROVAL DISTRICT IN SEPT 2010).
6. EXISTING FLOODPLAIN LOCATIONS, SIZE, AND ELEVATIONS ARE APPROXIMATE. THE FLOODPLAIN MAP WAS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
7. NO RAMPS ARE NOT DEPICTED IN THE PLAN.
8. EXISTING DRAINAGE BILL REMOVAL UNLESS IT IS DETERMINED DURING DETAILED DESIGN TO BE AND CONSTRUCTION WITH THE PROPOSED PROJECT. ALL EXISTING DRAINAGE BILL REMOVAL AREAS ARE KNOWN TO LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
9. FINAL DRIVEWAY LOCATIONS TO BE DETERMINED IN THE FUNDED DEVELOPMENT PHASE.
10. BRIDGE RAIL HAS BEEN AS POTENTIAL DISPLACEMENT OF THE BRIDGE RAIL IS ESTIMATED IMPORTANTLY THE EXISTING BUILDING STRUCTURE.
11. CURBS ON THE FRONTAGE ROAD AND CROSS STREETS ARE TYPE 'C' UNLESS NOTED OTHERWISE.
12. COORDINATE WITH ADJACENT PROJECTS (SMALL SIGNS) AND NOT CONFLICT WITH ALL DEVELOPED SUPPORTS THE STREET PHASE PHASE OF THE PROJECT.
13. BLOCKS SEGMENTS SHOWN WITCH IS FOR PHASE I AND II. THE PHASE I SEGMENTS WILL BE CONSTRUCTED IN ULTIMATE LOCATION FOR NEW ALIGNTEAMENT AND SHALL BE FURTHER DEVELOPED IN THE FUTURE PHASE II.
14. EXISTING ENCRACHED POWER LINE CROSSINGS SHOWN. CONTACTED UTILITY OWNER TO REMOVE THE POLES REQUIRED DURING THE CONSTRUCTION OF THE PROJECT.
15. VERTICAL CLEARANCES AT RAILROAD CROSSINGS WERE ESTIMATED FROM PROVIDED TOPOGRAPHICAL DATA.
16. EXISTING RW IS APPROXIMATE AND BASED ON AVAILABLE AS-BUILT PLANS.

PHASED CONSTRUCTION APPROACH

PHASE I: CONSTRUCT ONE FRONTAGE ROAD AND ASSUME TWO-WAY OPERATION ON THE EXISTING LOOP 9 ALIGNMENT (ULTIMATE).

PHASE II: CONSTRUCT THE SECOND FRONTAGE ROAD AND ASSUME ONE-WAY OPERATION FROM EACH FRONTAGE ROAD'S RIGHT DIRECTION TO ONE WAY.

PHASE III: FUTURE: CONSTRUCT ENGLISH GRADE SEPARATIONS AT EXISTING CROSSING LOCATIONS (ULTIMATE).

PHASE IV: ULTIMATE: FUTURE: CONSTRUCT CONTINUOUS MAINLANES, RAMPS AND DIRECT CONNECTORS IN BOTH DIRECTIONS.

NUMBER	OWNER NAME	PARCEL NUMBER	OWNER NAME	PARCEL NUMBER	OWNER NAME	PARCEL NUMBER	OWNER NAME	PARCEL NUMBER
2-1	FCS LANCASTER LTD	650833660100100	MOFFETT JAMES M & MARILYN	651298800100030	2-81	ALVIDREZ MARIA G LUCINA MC*A	155880	
2-2	FCS LANCASTER LTD	650833660100200	MOFFETT JAMES M & MARILYN	651298800100040	2-82	ALVIDREZ MARIA G	155881	
2-3	LETCO ADDISTITION LLC	650833660100300	MOFFETT JAMES M & MARILYN	651298800100050	2-83	MUDD CHARLOTTE	157501	
2-4	ROSS BARBARA ETAL	650833660100800	HARNELL LARRY	651298800100060	2-84	DAVILA ADAN	155882	
2-5	LEWIS GEORGE H JR	650833660100900	HARNELL LARRY & NANCY	651298800100070	2-85	RAMIREZ ROSA ELENIA D	157460	
2-6	LEWIS GEORGE H JR	650833660101000	MOFFETT JAMES & MARILYN	651298800100080	2-86	BOLES FRANCIS D	157460	
2-7	COLLARD WILLIAM D &	650833660101400	OLSEN RAYMOND S	651298800100400	2-87	BLANTON BENNY	157459	
2-8	COLLARD WILLIAM D &	650833660101500	OLSEN RAYMOND S	651298800100500	2-88	JURADO MARIA DE JESUS R	157458	
2-9	MILLER A J & MARY	650833660103300	PETERSON MICHAEL & SHARON	602316200101100	2-89	BERNARD CATHERINE	157463	
2-10	MILLER ARLON J	650833660103400	MEYA CARMEN		2-90	HOLZ LANI M	157466	
2-11	CURRIN ANNA JO	602353500100200	RODRIGUEZ RICARDO & ROSAMARY	157613	2-91	ALMAGUARES MARIA M	157465	
2-12	DURBIN MARK ANTHONY SR	602353500100300	MUNOZ MIGUEL & CONSUELO T	157454	2-92	DURBIN ANNA J	157464	
2-13	HILE LANI M & ANTHONY	602353500100400	TAYLOR BARBARA	157455	2-93	MOSTAFA ALI & ALI	157462	
2-14	HILE LANI M	602353500100500	TAYLOR BARBARA	157456	2-94	MESSINA ISRAEL	157456	
2-15	BERNARD CATHERINE	602353500100600	YOUNG HARVEY	148694	2-95	MANZANO HERNANDEZ	155837	
2-16	BERNARD CATHERINE	602353500100700	TARRANT COUNTY COOPERATIVE INC	157461	2-96	TARRANT COUNTY COOPERATIVE INC	155838	
2-17	CARRILLO RODOLFO & CIRIA	602353500100800	GREENWELL JOHN ANNETTE	157461	2-97	SANCHEZ BELLENAS	155609	
2-18	BOLES FRANCIS ODELL	602353500100900	LONG ROCKY WAYNE	148693	2-98	CLEMENTS RICHARD & NANCY	155810	
2-19	MORENO GUADALUPE	602353500101000	LONG ROCKY WAYNE	148692	2-99	LOPEZ ANA ROSA & ANA	155809	
2-20	MORENO GUADALUPE	602353500101500	TRUJILLO JOSE LUIS	148696	2-100	WELLER ARLON J	157170	
2-21	RIVAS MARTO & EVA S	602353500102000	VILLANUEVA LUCILO	148697	2-101	WOOD TERESA EVONNE	148774	
2-22	MENDOZA ELIZA MARTINE	602353500102100	CASTILLO PEDRO SAN CARMEN	148687	2-102	WELLER ARLON J	157171	
2-23	BALBOTA LUIS	602353500102200	HUNTER LORENZO M & JANES E	205600	2-103	DELACERDA FRANCISCO	157169	
2-24	BALBOTA LUIS	602353500102300	SMITH SUSAN & ROBERTA OTIS	148686	2-104	GARZA ADAM & ADRIE	157168	
2-25	CABRERA ALBERTO	602353500102500	DALLY DAMON	148764	2-105	GARZA ADAM & ADRIE	157597	
2-26	RODRIGUEZ ROLANDO	602353500102600	SANCHEZ JOSE LUIS & J ISABEL	148775	2-106	ROSS JOHN D & BARBARA M	157177	
2-27	STAFFORD DONALD A	602353500102700	LOPEZ FERNANDO	148776	2-107	RIVERFRONT PROPERTIES LP	157176	
2-28	STAFFORD DONALD A	602353500102800	LOPEZ FERNANDO	148876	2-108	RIVERFRONT PROPERTIES LP	157519	
2-29	WASHINGTON DIANE	602353500103000	ALMANZA HECTOR & MARIE	220650	2-109	LACAPLEY, LLC	207464	
2-30	LOPEZ ANA ROSA	602353500103100	GARZA ANTONIO & ANA M TRUSTEES	148885	2-110	GARZA ANTONIO & ANA M TRUSTEES	147772	
2-31	RODRIGUEZ RAMIRO	602353500103200	VASQUEZ GREGORIO & MARY	148884	2-111	ROWAN DORA E	147773	
2-32	BURDEN SUE	650833660106600	SCHWING THOMAS W & PAULETTE D	148875	2-112	ROWAN DORA E	147751	
2-33	BURDEN SUE	650833660106700	HOPE JAMES & ANN	148874	2-113	MARTINEZ ROSA & VELMA R	147752	
2-34	RODRIGUEZ RAMIRO	602353500107000	HORN ROBERT JR & DORA	148872	2-114	HOUSE OF PRAYER MINISTRIES INC	147758	
2-35	GREENWELL JEAN A	602353500109000	HERNANDEZ FILIBERTO STAL	148871	2-115	MANN PAUL	215875	
2-36	VILLARPA JESUS M	602288800105000	CASTILLO MARCIANO & SANDRA	148892	2-116	MANN PAUL	157181	
2-37	OLSEN RAYMOND S	651298800100300	TRUJILLO JOSE	155887	2-117	LEWIS GEORGE A JR &	193114	
2-38	MOFFETT JAMES M & MARILYN	651298800100310	TRUJILLO JOSE	155886				
2-39	KAMMERAD THERESA JORDAN &	651298780100000	WOOD EL ZABETH D	155878				
2-40	COFFMAN INVESTMENTS LP &	651298780100300	FLORES MICAEL A	155879				

FROD9E001-1	FROD9E001-2	FROD9E001-3	FROD9E001-4	FROD9E001-5	FROD9E001-6	FROD9E001-7	FROD9E001-8
PT Sta = 4102+15.71	PT Sta = 4104+96.56	PT Sta = 4114+75.09	PT Sta = 4118+57.95	PT Sta = 4149+16.83	PT Sta = 4195+24.29	PT Sta = 5144+85.01	PT Sta = 5195+31.08
D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)	D = 0° 02' 56.34" (RT)
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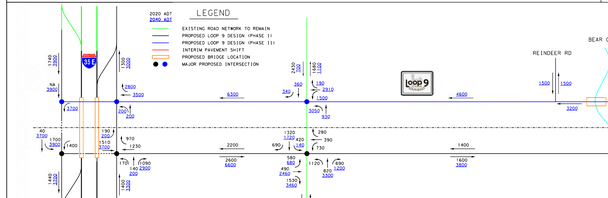
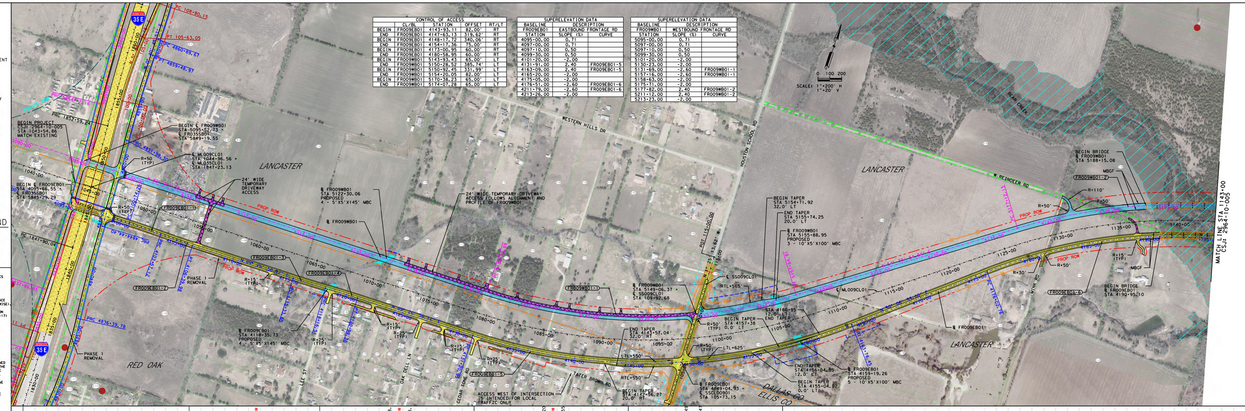
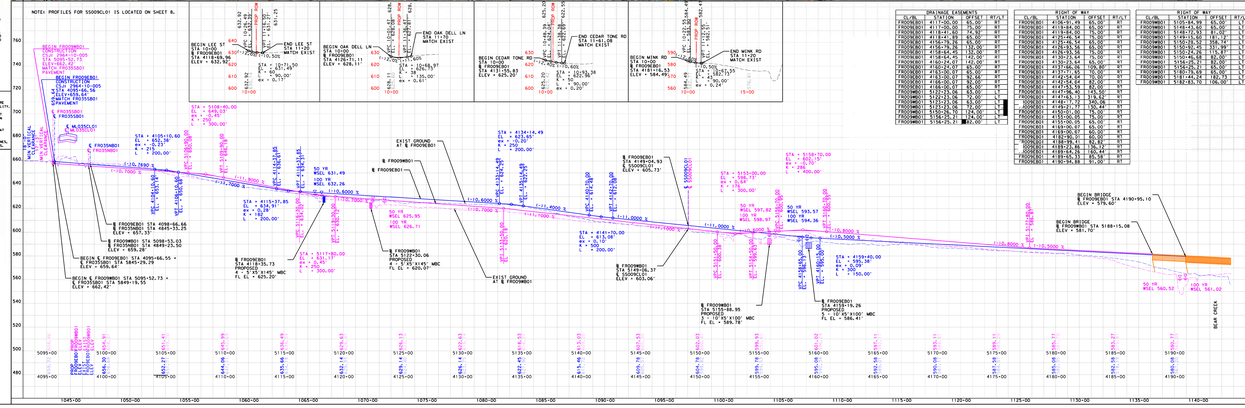
T = 141.44	T = 141.44	T = 141.44	T = 141.44	T = 141.44	T = 141.44	T = 141.44	T = 141.44
L = 282.88	L = 282.88	L = 282.88	L = 282.88	L = 282.88	L = 282.88	L = 282.88	L = 282.88
R = 6,500.00	R = 6,500.00	R = 6,500.00	R = 6,500.00	R = 6,500.00	R = 6,500.00	R = 6,500.00	R = 6,500.00
PC Sta = 4100+74.26	PC Sta = 4103+57.12	PC Sta = 4113+33.65	PC Sta = 4116+16.51	PC Sta = 4147+74.95	PC Sta = 4193+82.41	PC Sta = 5143+43.13	PC Sta = 5193+89.26
PRC Sta = 4105+57.12	PRC Sta = 4108+39.98	PRC Sta = 4116+16.51	PRC Sta = 4120+99.36	PT Sta = 4149+16.83	PT Sta = 4212+27.77	PT Sta = 5197+64.81	PT Sta = 5211+81.97



Description of Location	Average Daily Traffic 2020	Average Daily Traffic 2040	Directional Factor	2040 Design Year Traffic Data Percent Trucks ADT	Percent Trucks DHV
Loop 9 (I-35E to I-45)	6,300	13,400	55%	11.7	5.5



NOTE: PROFILES FOR SSOOSOL01 IS LOCATED ON SHEET B.



DRAINAGE EASEMENTS			
CL/OB	STATION	OFFSET	RT/LT
FROD9E001	4114+44.59	52.00	RT
FROD9E001	4114+44.59	52.00	RT
FROD9E001	4114+44.59	52.00	R