STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

COLLIN COUNTY

DESIGN SCHEMATIC

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

FM 546 (INDUSTRIAL BLVD)

CSJ: 1013-01-020

FROM: SH 5
TO: WEST OF AIRPORT ROAD

NET LENGTH OF PROJECT: 1.078 MILES

FUNCTIONAL CLASSIFICATION:

URBAN MINOR ARTERIAL

FM 546: 17,600 ADT (2010) 26,400 ADT (2030)

DESIGN SPEED = 40 MPH

LOCATION MAP

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION NO. F-1898

NADER ABUSAAD, P.E.
DATE: FEBRUARY 26, 2009

JENNIFERRA NG, P.E.
DATE: FEBRUARY 26, 2009

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ROLL 1 OF 1

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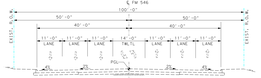
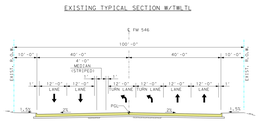
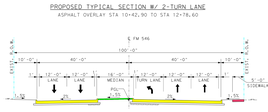


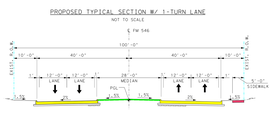
EXISTING TYPICAL SECTION W/TWLTL



PROPOSED TYPICAL SECTION W/ 2-TURN LANE
ASPHALT OVERLAY STA 10+42.90 TO STA 12+78.60



PROPOSED TYPICAL SECTION W/ 1-TURN LANE
NOT TO SCALE

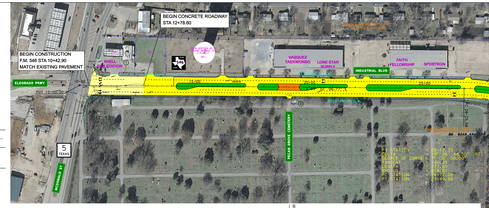


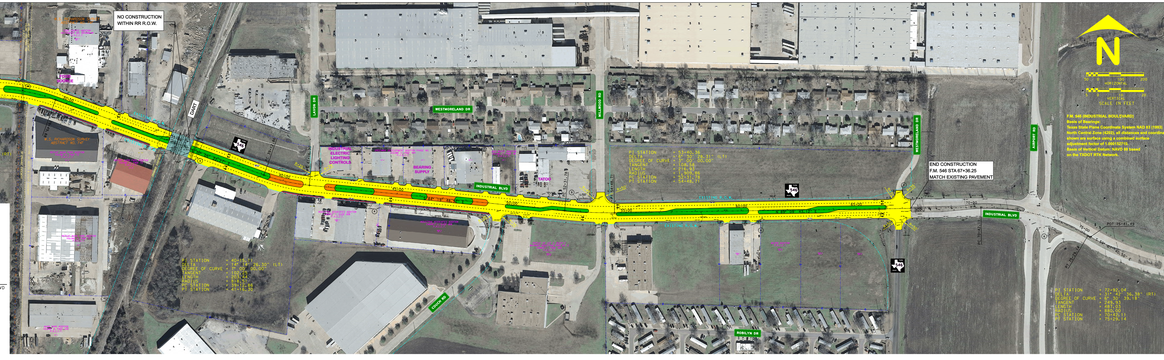
PROPOSED TYPICAL SECTION W/O TURN LANE
NOT TO SCALE

LOCATION (STATION)	DIRECTION (EB/WB)	TAPER LENGTH (FT)	DECELERATION LENGTH (FT)	STORAGE LENGTH (FT)	TOTAL LENGTH (FT)
17+55	EB	50	160	100	260
22+05	EB	50	160	15	175
26+85	EB	50	160	100	260
31+80	EB	50	160	110	270
53+90	EB	50	160	50	210
66+85	EB	50	160	90	250
SH 5	WB	100	160	100	260
31+80	WB	50	160	100	260
49+75	WB	50	160	40	250
53+90	WB	50	160	100	260
60+50	WB	50	160	100	260

LEFT TURN BAY DIMENSIONS

FM 546/INDUSTRIAL BLVD TRAFFIC PROJECTIONS





LEGEND

- ASPHALT OVERLAY
- PROPOSED CONCRETE ROADWAY
- PROPOSED SIDEWALK
- FLUSH MEDIAN
- RAISED MEDIAN
- EXISTING ROW "ACCESS BY PERMIT ONLY"

FM 546 (INDUSTRIAL BLVD) (CSJ 1013-01-020)
Basis of Bearings:
Texas State Plane Coordinate System NAD 83 (2001)
North Central Zone (4202), all distances and coordinates are surface values based on Surface Adjustment Factor of 1.000137 to grid values.
Basis of Vertical Datum: NAVD 88 based on the PROJECT RTK Network.

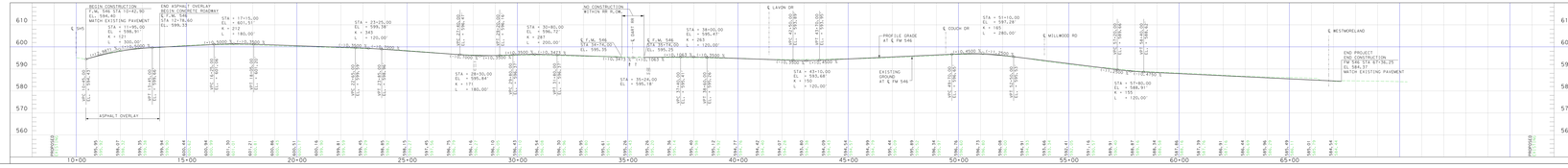
NOTES:

1. PROPOSED PROFILE GENERALLY FOLLOWS EXISTING.
2. FINAL DRIVEWAY LOCATIONS TO BE DETERMINED DURING DETAILED DESIGN.
3. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.

CONTROL POINTS COORDINATE TABLE

Point	Northing	Easting	Elev.	Description
1	7194657.0000	2544800.6000	586.16	S-CUT-ON-CURB
2	7195558.6800	2545800.3100	583.67	SAP-BRK-TRANSOM
3	7195800.0700	2546015.6410	584.05	X-CUT
4	7197611.9600	2547160.6900	584.90	X-CUT
5	7197611.9600	2547160.6900	584.90	S-CUT-ON-SPIKE-2
6	7197760.9900	2548432.8700	586.61	S-CUT-ON-NUT
7	7197760.9700	2549556.8600	586.80	S-CUT-ON-CURB
8	7197759.8900	2550800.5500	586.90	S-CUT-ON-NUT
9	7199604.9800	2549024.8700	586.17	MAGNET-ALUM-DISC

Datum:
TBPE No. 14 is City of McKinney Control Monument No. 44 (Published Elevation = 584.84)



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COUNTY: COLLIN
DATE: FEB 2009

DESIGN SCHEMATIC FOR FM 546

ROLL 1 OF 1

CSJ: 1013-01-020

DISTRICT: DALLAS

DESIGN: CIVIL ASSOCIATES, INC.

DRAWN: Vicente Flores Valdez

CHECKED: Nader Abusaad