NTTA
NORTH TEXAS TOLLWAY AUTHORITY
5900W. Plano Pkwy, Plano, Texas 75093
Jorge Figueredo, Executive Director

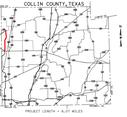
DALLAS NORTH TOLLWAY EXTENSION

SECTION 4A
FROM US380 TO FM428
DESIGN SCHEMATIC

DESIGN SPEED
FUNCTIONAL CLASS: PRIMARY (INTERRUPTED)
DESIGN SPEED: 70 mph (TOLLWAY MAINLINE)
40 mph (SERVICE ROADS)
30 mph (CROSS ROADS)
* UNLESS OTHERWISE NOTED ON PLANS

AVERAGE DAILY TRAFFIC
2030 - 2040
ALL SECS. 2040

COLLIN COUNTY, TEXAS



JUNE 25,2008

These documents are for Preliminary and not intended for construction, bidding or permit purposes. They were prepared by or under the supervision of:

BRYCE G. HALFF DATE: 06.25.2008
TEXAS P.E. LICENSE NO. 90808

HALFF
ENGINEERING & SURVEYING
RICHARDSON, TEXAS 75081
(972) 234-1769
FAX 234-1769 TBPE

DATE APPROVED: DESIGN SCHEMATIC NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE SUBMITTED:

PRELIMINARY
DRAFT SUBJECT TO CHANGE

SHEET 1 OF 6

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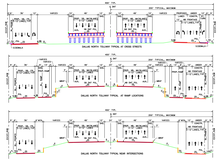
LEGEND

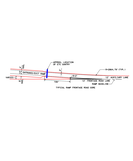
- EXIST. ROW
- PROPOSED ROW
- PROPERTY LINE
- PROPOSED DRAINAGE EASEMENT
- EXISTING 100 YEAR FLOODPLAIN
- 100 YEAR FLOODPLAIN
- EXISTING STORM DRAINAGE
- PROPOSED STORM DRAINAGE
- STORM INLET
- EXISTING WATER SUPPLY
- EXISTING POWER POLE
- EXISTING TREE
- EXISTING CONTOURS
- PAVEMENT EDGE
- PROPOSED CURB OR REMOVED
- PROPOSED CHF AS CENTERLINE
- PROPOSED RETAINING WALL
- PROPOSED CHF AS ROW
- PROPOSED TWO WAY TRAFFIC BARRIER
- PROPOSED ONE WAY TRAFFIC BARRIER
- PROPOSED CHF AS CURB
- PROPOSED PROJECT (BY STAGES)
- PROPOSED CHF AS ROW
- PROPOSED CHF AS MAIN LANES
- PROPOSED CHF AS CROSS STREET/DIRECTOR
- PROPOSED PEDESTRIAN ROAD AND CROSS STREETS
- EXISTING CHF AS MAIN LANE
- EXISTING CHF AS CROSS & SIDE STREET
- POTENTIAL DISPLACEMENTS
- EXISTING RIGHT-OF-WAY
- ADDITIONAL RIGHT-OF-WAY REQUIREMENTS
- FUTURE BRACED RAMP BRIDGE
- FUTURE BRACED RAMP PAVEMENT

NOTES:

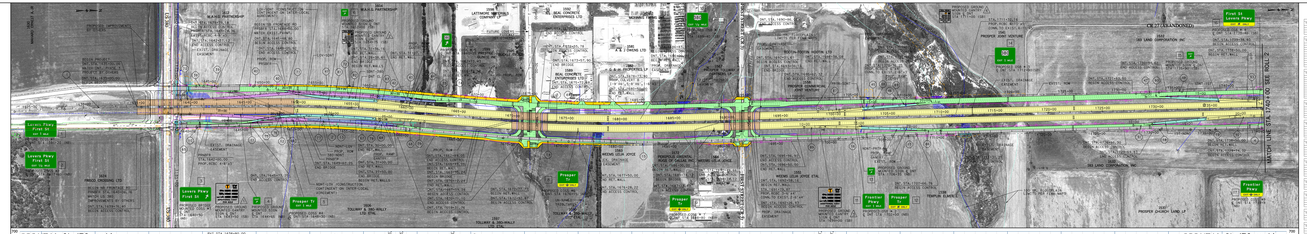
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATIC LAYOUTS ARE BASED ON AERIAL SURVEY, SUPPLEMENTAL FIELD SURVEYS AND RECORD PLANS ONLY.
2. DIMENSIONS ARE FACE OF CURB OR TO EDGE OF UNCURBED PAVEMENT UNLESS OTHERWISE NOTED.
3. TYPICAL CROSS STREET PURPOSE RADIUS EQUALS 70 (TYPICAL)(50 MIN).
4. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DESIGN THAT THE DRIVEWAY CONFLICTS WITH THE NEW CONTROLLED ACCESS WILL BE A SAFETY ISSUE AND/OR VIOLATES THE NEW CONTROLLED ACCESS CRITERIA.
5. TRAFFIC VOLUMES SHOWN HEREIN ARE BASED ON PROJECTIONS PROVIDED BY NTTA AND ARE SUBJECT TO CHANGE AS DESIGN PROCEEDS.
6. ALL SUPER ELEVATION ARTS OF ROTATION IS ABOUT THE PGL.
7. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS AND ARE SUBJECT TO CHANGE.
8. METAL BEAM GUARD FENCE AND CONCRETE TRAFFIC BARRIER (CTB) LOCATIONS TO BE DETERMINED IN FINAL. CTB MAY ALTERNATE FROM NB TO SB SHOULDER DEPENDING ON MAINTENANCE ACCESS NEEDS AND ZONE DETERMINED.

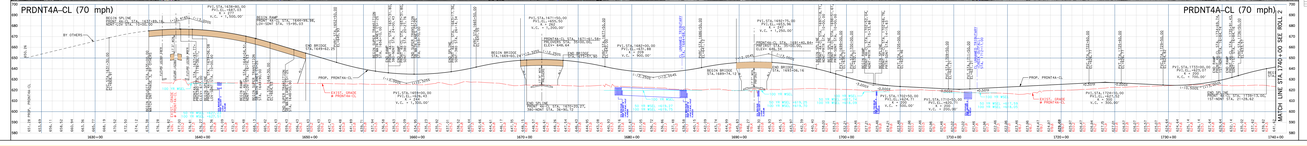


TRAFFIC VOLUME DIAGRAM
N.T.S.



PROPOSED TYPICAL SECTIONS
N.T.S.





PROPOSED CURVE DATA

| | | |

NTTA
NORTH TEXAS TOLLWAY AUTHORITY
5900W. Plano Pkwy, Plano, Texas 75093
Jorge Figueredo, Executive Director

DALLAS NORTH TOLLWAY EXTENSION

SECTION 4A
FROM US380 TO FM428
DESIGN SCHEMATIC

DESIGN SPEED
FUNCTIONAL CLASS: PRIMARY (INTERRUPTED)
DESIGN SPEED: 70 mph (TOLLWAY MAINLINE)
40 mph (SERVICE ROADS)
30 mph (INTERCHANGE RAMPS)
* UNLESS OTHERWISE NOTED ON PLANS

AVERAGE DAILY TRAFFIC
ALL SECTIONS
2030 ADT

COLLIN COUNTY, TEXAS

JUNE 23,2008

These documents are for Preliminary and not intended for construction, bidding or permit purposes. They were prepared by or under the supervision of:

BRYTON L. FLYNN DATE: 06.23.2008
TEXAS P.E. LICENSE NO. 102400

HALFF
HALFF ASSOCIATES INC.
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PLANO, TEXAS 75093-7799
214.769.1779
FIRM REGISTRATION NO. F-2087

DATE APPROVED	DESIGN SCHEMATIC NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.	DATE SUBMITTED
	PRELIMINARY DRAFT SUBJECT TO CHANGE	

ROLL 2 OF 6

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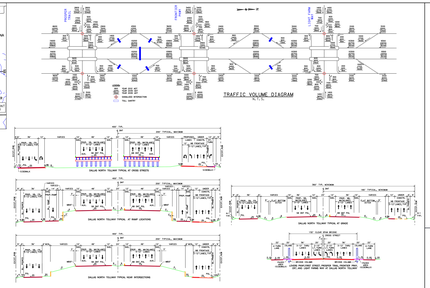
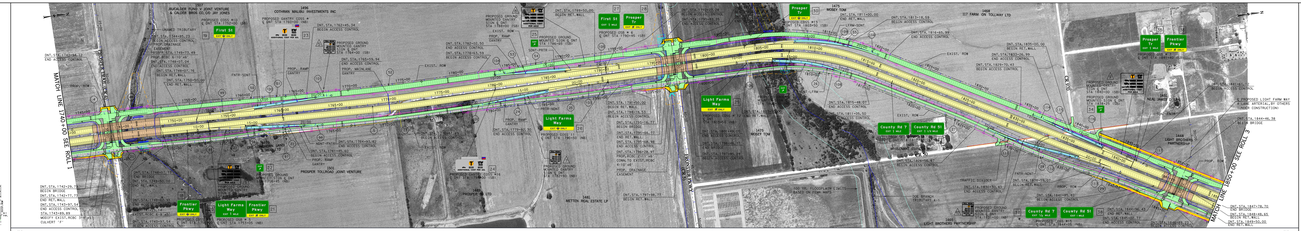



MATCH LINE FM428 SB EXIT
MATCH LINE US380 SB EXIT
Project Ex
Project Ex
Project Ex

NTTA
NORTH TEXAS TOLLWAY AUTHORITY
5900W. Plano Pkwy. Plano, Texas 75093
Jerry Pfauntsch, Executive Director

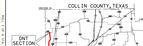
DALLAS NORTH TOLLWAY EXTENSION

SECTION 4A
FROM US380 TO FM428
DESIGN SCHEMATIC

DESIGN SPEED
FUNCTIONAL CLASS: URBAN TOLLWAY (MAINLINE)
DESIGN SPEED: URBAN TOLLWAY (MAINLINE)
70 MPH (MAINLINE)
50 MPH (RAMPS)
30 MPH (CROSS ROADS)
* UNLESS OTHERWISE NOTED ON PLANS

AVERAGE DAILY TRAFFIC
FY 2030
ADT
FY 2040
ADT

COLLIN COUNTY, TEXAS



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DATE APPROVED	DESIGN SCHEMATIC NOT INTENDED FOR CONSTRUCTION, ROUTING, OR PENALTY PURPOSES	DATE SUBMITTED

PRELIMINARY
Chief Transportation Engineer

SHEET 1 OF 4
SCALE: 1"=1000'
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COLLIN
DALLAS
DENTON
PROJECT
FM 2478
PROJECT
FM 2478
SH 121
SH 121
SH 289
SH 289
FM 423
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FM 720
FM 720
FM 428
FM 428
US 380
US 380
SH 5
SH 5
FM 1461
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