TEXAS DEPARTMENT OF TRANSPORTATION

COUNTY: DENTON
DATE: OCT 2006

DESIGN SCHEMATIC
FOR FM 426

ROLL 1 OF 2

9390 Amberton Pkwy
Suite 9390
Dallas, TX 75243

CIVIL ASSOCIATES, INC.

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

DENTON COUNTY

DESIGN SCHEMATIC

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

FM 426

CSJ: 0081-11-012

FROM: 1.4 MILES WEST OF LP 288
TO: 1.1 MILES EAST OF LP 288

NET LENGTH OF PROJECT: 2.5 MILES

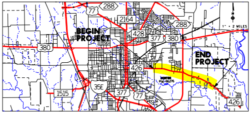
FUNCTIONAL CLASSIFICATION:
URBAN MINOR ARTERIAL

FM 426: 18,900 ADT (2008) 29,200 ADT (2028)

DESIGN SPEED
FM 426 = 45 MPH

OCTOBER 2006

LOCATION MAP



288
77
2164
BEGIN PROJECT
428
288
377
380
380
END PROJECT
426
35E
1515
377
77
426
1" = 2 MILES

PREPARED BY:
CIVIL ASSOCIATES, INC.

NASER ABUSAAD, P.E.
SERIAL NO. 83200
OCTOBER 2006

LENA PETER, P.E.
SERIAL NO. 89288
OCTOBER 2006

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ROLL 1 OF 2

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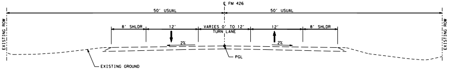
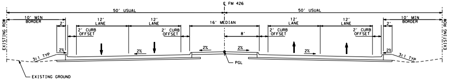


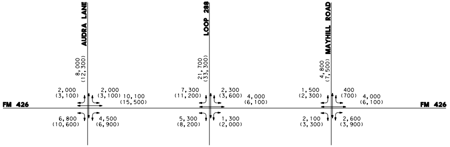
℄ FM 426
50' USUAL
50' USUAL
EXISTING ROW
8' SHLDR
12'
VARIES 0' TO 12' TURN LANE
12'
8' SHLDR
2%
2%
EXISTING ROW
EXISTING GROUND
PGL

FM 426 EXISTING TYPICAL SECTION



℄ FM 426
50' USUAL
50' USUAL
EXISTING ROW
10' MIN BORDER
2'
12' LANE
12' LANE
16' MEDIAN
12' LANE
12' LANE
10' MIN BORDER
2'
2' CURB OFFSET
2' CURB OFFSET
8'
2' CURB OFFSET
2' CURB OFFSET
2%
2%
2%
2%
2%
2%
3:1 TYP
3:1 TYP
EXISTING ROW
PGL
EXISTING GROUND

FM 426 PROPOSED TYPICAL SECTION

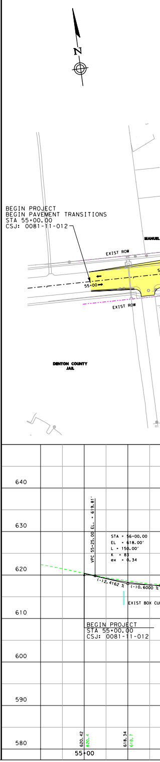


AUDRA LANE
LOOP 288
MAYHILL ROAD
8,000 (12,300)
21,700 (33,300)
4,800 (7,500)
FM 426
2,000 (3,100)
2,000 (3,100)
10,100 (15,500)
6,800 (10,600)
4,500 (6,900)
7,300 (11,200)
2,300 (3,600)
4,000 (6,100)
5,300 (8,200)
1,300 (2,000)
1,500 (2,300)
400 (700)
4,000 (6,100)
2,100 (3,300)
2,600 (3,900)
FM 426

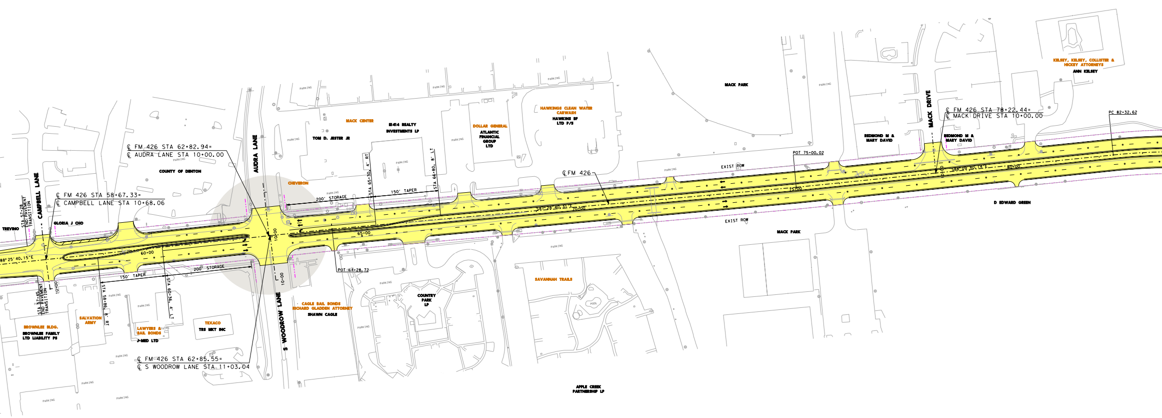
FM 426 TRAFFIC VOLUMES

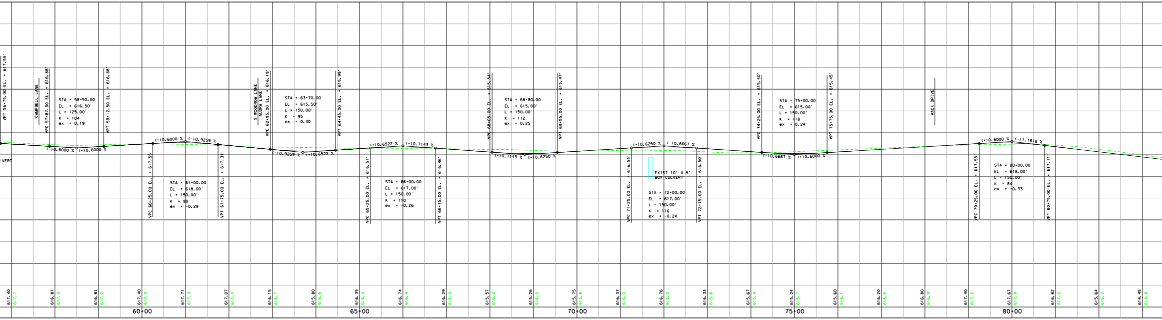
SOURCE: TEXAS DEPARTMENT OF TRANSPORTATION,
DALLAS DISTRICT; OCTOBER 6, 2006.

LEGEND
2008 ADT
(2028) ADT



N
BEGIN PROJECT
BEGIN PAVEMENT TRANSITIONS
STA 55+00.00
CSJ: 0081-11-012
MANUEL
EXIST ROW
55+00
EXIST ROW
DENTON COUNTY JAIL
640
630
620
610
600
590
580
VPC 55+25.00 EL. = 619.81'
STA = 56+00.00
EL = 618.00'
L = 150.00'
K = 83
ex = 0.34
(-)2.4162 %
(-)0.6000 %
EXIST BOX CUL
BEGIN PROJECT
STA 55+00.00
CSJ: 0081-11-012
620.42
620.4
618.34
618.7
55+00


CAMPBELL LANE
STA 57+28 END PAVEMENT TRANSITION
TREVINO
GLORIA J CHO
88° 25' 40.15"E
℄ FM 426 STA 58+67.33=
℄ CAMPBELL LANE STA 10+68.06
10+00
STA 57+45 END PAVEMENT TRANSITION
60+00
150' TAPER
200' STORAGE
STA 58+86, 8' RT
STA 60+36, 4' LT
BROWNLEE BLDG.
BROWNLEE FAMILY LTD LIABILITY PS
SALVATION ARMY
LAWYERS & BAIL BONDS
J-MED LTD
TEXACO
TRS MKT INC
PARKING
℄ FM 426 STA 62+85.55=
℄ S WOODROW LANE STA 11+03.04
COUNTY OF DENTON
℄ FM 426 STA 62+82.94=
℄ AUDRA LANE STA 10+00.00
AUDRA LANE
S WOODROW LANE
10+00
CHEVRON
MACK CENTER
TOM D. JESTER JR
E1414 REALTY INVESTMENTS LP
200' STORAGE
150' TAPER
STA 65+30, 4' RT
STA 66+80, 8' LT
65+00
POT 64+28.72
CAGLE BAIL BONDS
RICHARD GLADDEN ATTORNEY
SHAWN CAGLE
COUNTRY PARK LP
DOLLAR GENERAL
ATLANTIC FINANCIAL GROUP LTD
HAWKINGS CLEAN WATER CARWASH
HAWKINS BF LTD P/S
℄ FM 426
S87° 28' 40.51"E
70+00
SAVANNAH TRAILS
POOL
APPLE CREEK PARTNERSHIP LP
MACK PARK
EXIST ROW
EXIST ROW
MACK PARK
POT 75+00.02
75+00
REDMOND M & MARY DAVID
REDMOND M & MARY DAVID
MACK DRIVE
℄ FM 426 STA 78+22.44=
℄ MACK DRIVE STA 10+00.00
10+00
S88° 09' 40.14"E
80+00
D EDWARD GREEN
KELSEY, KELSEY, COLLISTER & HICKEY ATTORNEYS
ANN KELSEY
PC 82+32.62

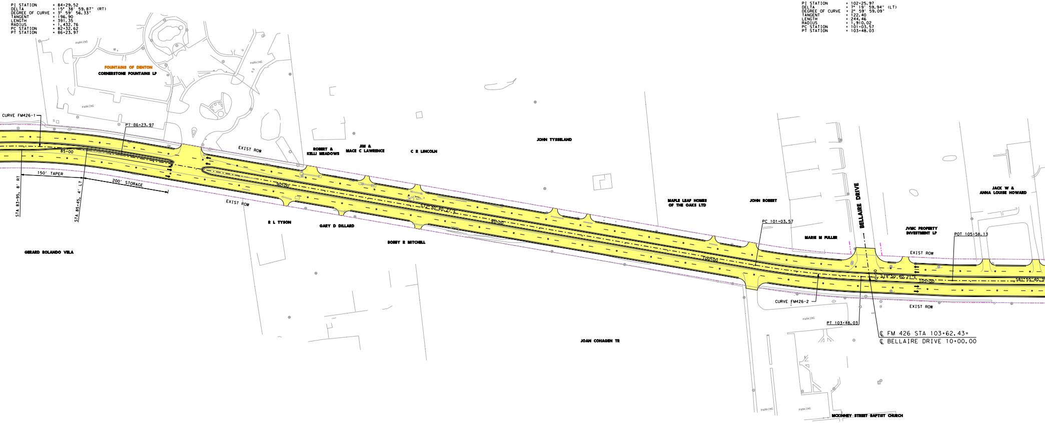

VPT 56+75.00 EL. = 617.55'
LVERT
CAMPBELL LANE
VPC 57+87.50 EL. = 616.88'
STA = 58+50.00
EL = 616.50'
L = 125.00'
K = 104
ex = 0.19
VPT 59+12.50 EL. = 616.88'
(-)0.6000 %
(+)0.6000 %
(+)0.6000 %
(-)0.9259 %
VPC 60+25.00 EL. = 617.55'
STA = 61+00.00
EL = 618.00'
L = 150.00'
K = 98
ex = -0.29
VPT 61+75.00 EL. = 617.31'
S WOODROW LANE
AUDRA LANE
VPC 62+95.00 EL. = 616.19'
(-)0.9259 %
(+)0.6522 %
STA = 63+70.00
EL = 615.50'
L = 150.00'
K = 95
ex = 0.30
VPT 64+45.00 EL. = 615.99'
(+)0.6522 %
(-)0.7143 %
VPC 65+25.00 EL. = 616.51'
STA = 66+00.00
EL = 617.00'
L = 150.00'
K = 110
ex = -0.26
VPT 66+75.00 EL. = 616.46'
VPC 68+05.00 EL. = 615.54'
STA = 68+80.00
EL = 615.00'
L = 150.00'
K = 112
ex = 0.25
(-)0.7143 %
(+)0.6250 %
VPT 69+55.00 EL. = 615.47'
(+)0.6250 %
(-)0.6667 %
VPC 71+25.00 EL. = 616.53'
EXIST 10' X 5' BOX CULVERT
STA = 72+00.00
EL = 617.00'
L = 150.00'
K = 116
ex = -0.24
VPT 72+75.00 EL. = 616.50'
VPC 74+25.00 EL. = 615.50'
(-)0.6667 %
(+)0.6000 %
STA = 75+00.00
EL = 615.00'
L = 150.00'
K = 118
ex = 0.24
VPT 75+75.00 EL. = 615.45'
MACK DRIVE
(+)0.6000 %
(-)1.1818 %
VPC 79+25.00 EL. = 617.55'
STA = 80+00.00
EL = 618.00'
L = 150.00'
K = 84
ex = -0.33
VPT 80+75.00 EL. = 617.11'
617.40 617.7
616.81 617.3
616.81 617.2
617.40 617.4
617.71 617.3
617.07 617.0
616.15 616.7
615.80 616.6
616.35 616.4
616.74 616.4
616.29 616.4
615.57 616.2
615.26 616.0
615.75 615.8
616.37 616.0
616.76 616.0
616.33 615.6
615.67 615.4
615.24 615.7
615.60 616.1
616.20 616.5
616.80 616.9
617.40 617.2
617.67 617.4
616.82 617.2
615.64 616.2
614.45 614.9
60+00
65+00
70+00
75+00
80+00

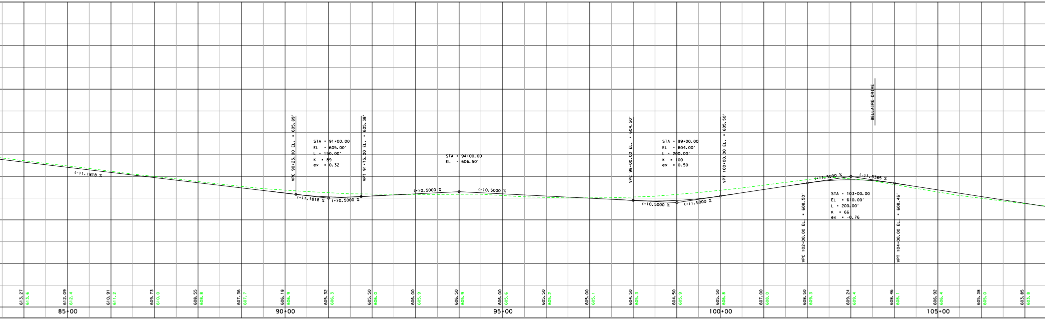
CURVE FM426-1

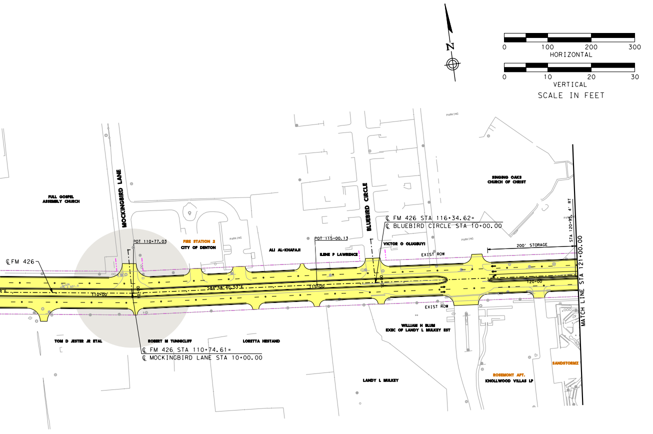
PI STATION	= 84+29.52
DELTA	= 15° 38′ 59.87″ (RT)
DEGREE OF CURVE	= 3° 59′ 56.33″
TANGENT	= 196.90
LENGTH	= 391.35
RADIUS	= 1,432.76
PC STATION	= 82+32.62
PT STATION	= 86+23.97

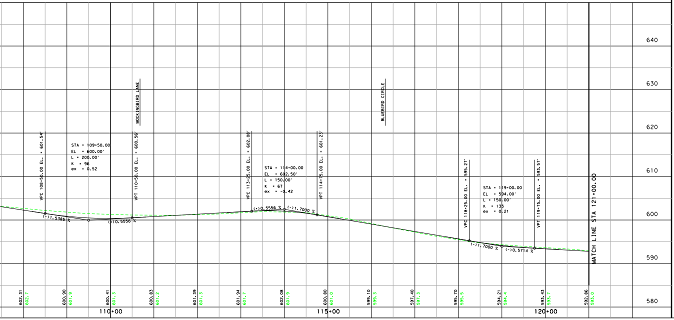
CURVE FM426-2

PI STATION	= 102+25.97
DELTA	= 7° 19′ 59.94″ (LT)
DEGREE OF CURVE	= 2° 59′ 59.09″
TANGENT	= 122.40
LENGTH	= 244.46
RADIUS	= 1,910.02
PC STATION	= 101+03.57
PT STATION	= 103+48.03


FOUNTAINS OF DENTON
CORNERSTONE FOUNTAINS LP
PARKING
PARKING
PARKING
CURVE FM426-1
PT 86+23.97
85+00
150′ TAPER
200′ STORAGE
STA 83+95, 8′ RT
STA 85+45, 4′ LT
EXIST ROW
EXIST ROW
ROBERT &
KELLI MEADOWS
JIM &
MACE C LAWRENCE
C R LINCOLN
JOHN TYSSELAND
90+00
S72° 30′ 40.27″ E
95+00
100+00
R L TYSON
GARY D DILLARD
BOBBY R MITCHELL
GERARD ROLANDO VELA
MAPLE LEAF HOMES
OF THE OAKS LTD
JOHN ROBERT
PC 101+03.57
MARIE M FULLER
BELLAIRE DRIVE
JVMC PROPERTY
INVESTMENT LP
POT 105+58.13
JACK W &
ANNA LOUISE HOWARD
EXIST ROW
S79° 50′ 40.21″ E
105+00
S81° 55′ 40.3
CURVE FM426-2
EXIST ROW
PARKING
PT 103+48.03
℄ FM 426 STA 103+62.43=
℄ BELLAIRE DRIVE 10+00.00
JOAN COHAGEN TR
PARKING
PARKING
MCKINNEY STREET BAPTIST CHURCH




N
0
100
200
300
HORIZONTAL
0
10
20
30
VERTICAL
SCALE IN FEET
FULL GOSPEL ASSEMBLY CHURCH
MOCKINGBIRD LANE
POT 110+77.03
FIRE STATION 2
CITY OF DENTON
PARKING
ALI AL-KHAFAJI
POT 115+00.13
ILENE P LAWRENCE
BLUEBIRD CIRCLE
℄ FM 426 STA 116+34.62=
℄ BLUEBIRD CIRCLE STA 10+00.00
VICTOR O OLUGBUYI
PARKING
SINGING OAKS CHURCH OF CHRIST
STA 120+95, 4' RT
200' STORAGE
EXIST ROW
℄ FM 426
110+00
S84°58'40.53"E
115+00
120+00
EXIST ROW
MATCH LINE STA 121+00.00
TOM D JESTER JR ETAL
ROBERT M TUNNICLIFF
LORETTA HESTAND
℄ FM 426 STA 110+74.61=
℄ MOCKINGBIRD LANE STA 10+00.00
WILLIAM H BLUM
EXEC OF LANDY L MULKEY EST
LANDY L MULKEY
ROSEMONT APT.
KNOLLWOOD VILLAS LP
SANDSTORMZ



LEGEND

- ▭ **PROPOSED PAVEMENT**
- - - **EXISTING ROW**
- ▨ **DESIGNED BY OTHERS**
- ← **DIRECTION OF TRAFFIC**
- ● **SIGNALIZED INTERSECTION**

NOTES:

EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN AND COORDINATION WITH THE CITIES THAT THE DRIVEWAY WILL BE A SAFETY ISSUE AND/OR VIOLATES THE CURRENT CONTROLLED ACCESS REQUIREMENTS.

FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED DURING THE PS&E PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.

EXISTING RIGHT OF WAY IS APPROXIMATE AND WAS BASED FROM PARCEL MAPS.

BASELINE OF CROSS STREETS IS APPROXIMATE AND WAS BASED FROM EXISTING TOPOGRAPHY.

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

DENTON COUNTY

DESIGN SCHEMATIC

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

FM 426

CSJ: 0081-11-012

FROM: 1.4 MILES WEST OF LP 288
TO: 1.1 MILES EAST OF LP 288

NET LENGTH OF PROJECT: 2.5 MILES

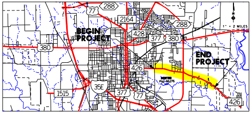
FUNCTIONAL CLASSIFICATION:
URBAN MINOR ARTERIAL

FM 426: 18,900 ADT (2008) 29,200 ADT (2028)

DESIGN SPEED
FM 426 = 45 MPH

OCTOBER 2006

LOCATION MAP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COUNTY: DENTON
DATE: OCT 2006

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FOR FM 426

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