TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
F.M. 423

DENTON COUNTY

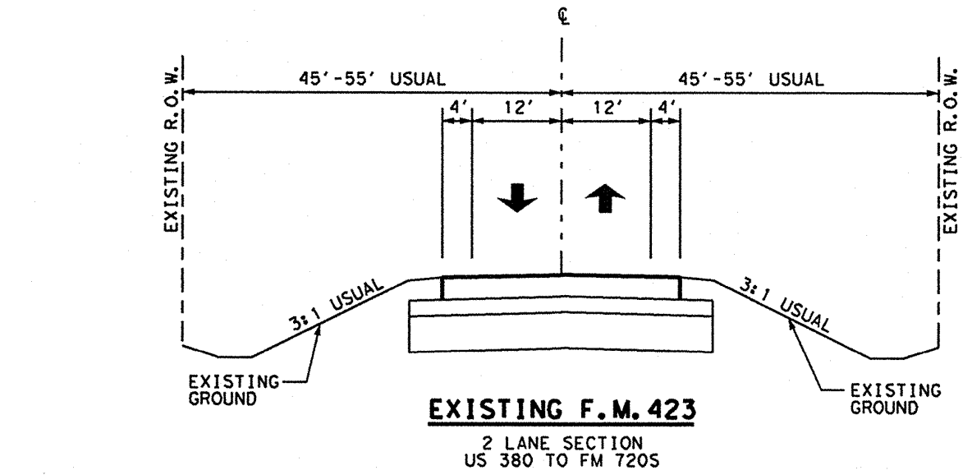
FROM: U.S. 380 TO 0.8 MILE SOUTH OF FM 2934
CSJ: 1315-02-009
FROM: 0.8 MILE SOUTH OF FM 2934 TO STEWARTS CREEK ROAD
CSJ: 1567-02-027
7.02 MILES

OFFICE OF DISTRICT ENGINEER
DALLAS DISTRICT

DESIGN SPEED 45 M.P.H.
FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR

CURRENT ADT:
2007: N 12,200; S 35,400
SOURCE: TxDOT TRANSPORTATION
PLANNING AND PROGRAMMING

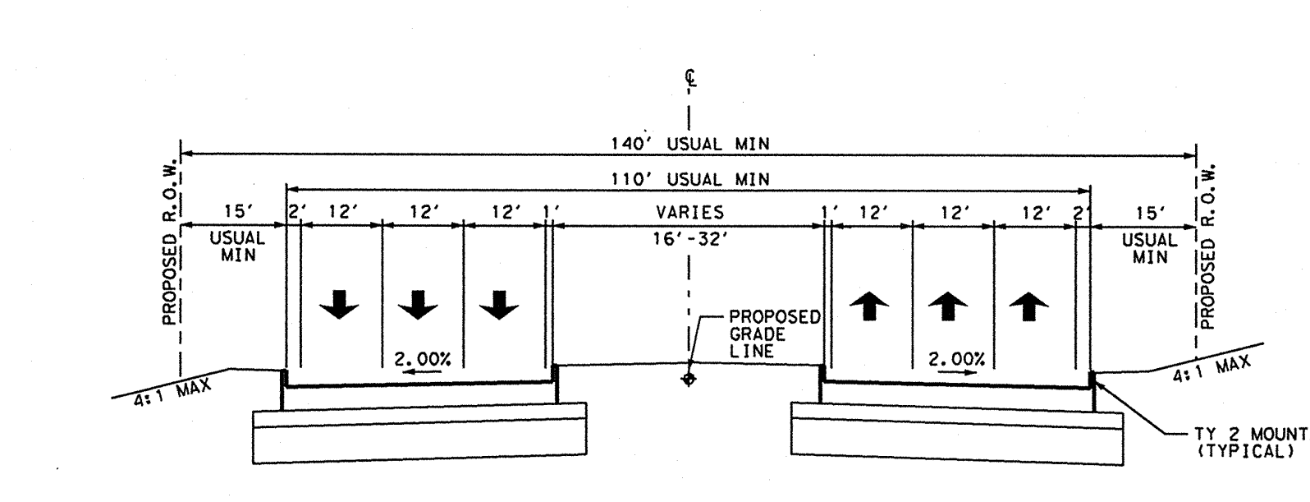
PROJECTED ADT:
2027: N 22,000; S 55,600
SOURCE: TxDOT TRANSPORTATION
PLANNING AND PROGRAMMING



℄
45'-55' USUAL
4'
12'
12'
4'
45'-55' USUAL
EXISTING R.O.W.
EXISTING R.O.W.
3:1 USUAL
3:1 USUAL
EXISTING GROUND
EXISTING GROUND

EXISTING F.M. 423

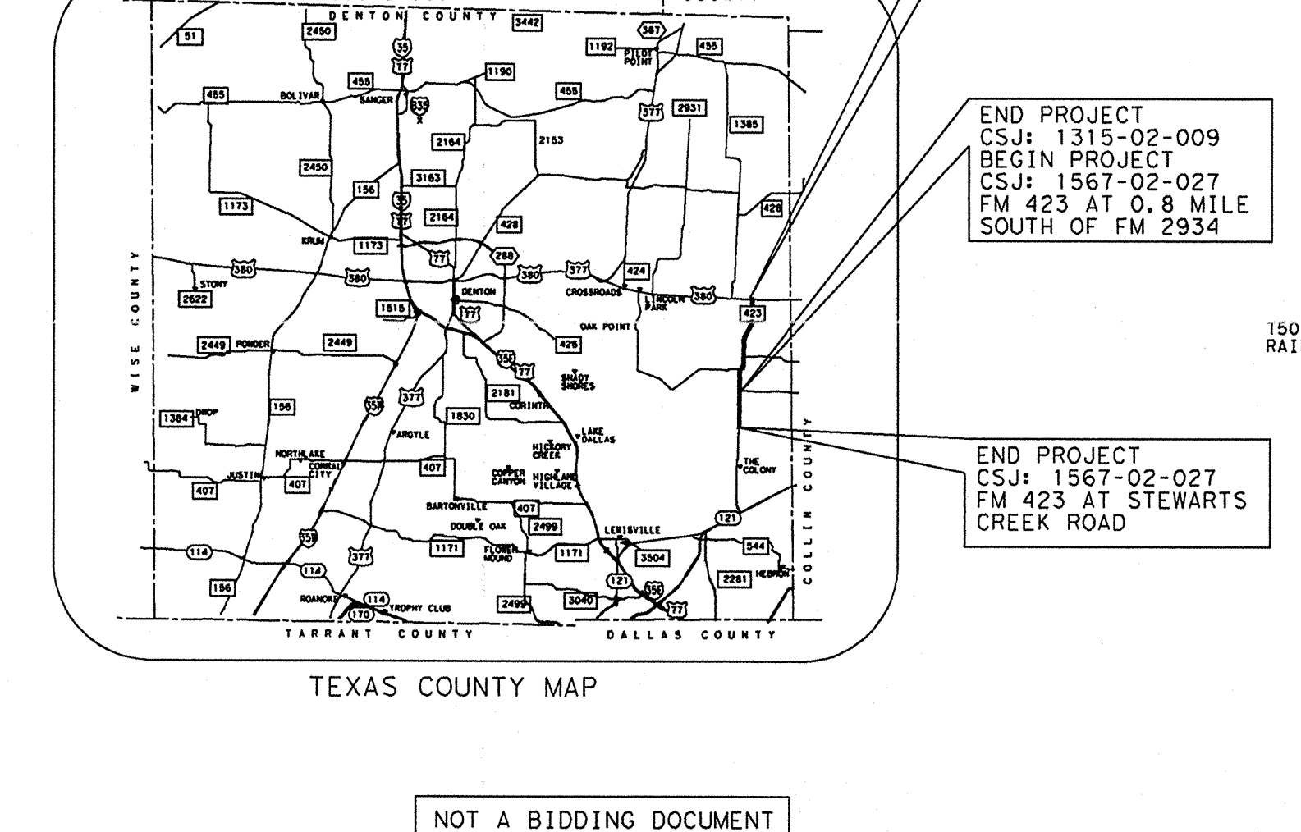
2 LANE SECTION
US 380 TO FM 720S



℄
140' USUAL MIN
110' USUAL MIN
15'
2'
12'
12'
12'
1'
VARIES
16'-32'
1'
12'
12'
12'
2'
15'
USUAL MIN
USUAL MIN
PROPOSED R.O.W.
PROPOSED R.O.W.
2.00%
2.00%
PROPOSED GRADE LINE
4:1 MAX
4:1 MAX
TY 2 MOUNTABLE CURB (TYPICAL)

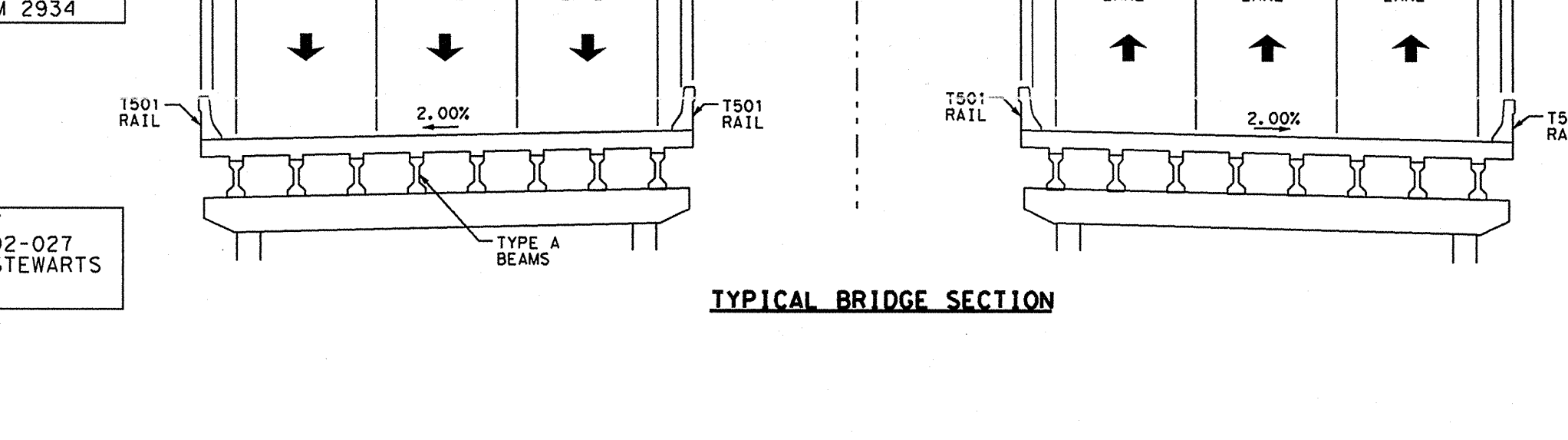
PROPOSED F.M. 423

6 LANE URBAN ARTERIAL SECTION
US 380 TO STEWARTS CREEK RD



COOKE COUNTY
GRAYSON COUNTY
DENTON COUNTY
WISE COUNTY
COLLIN COUNTY
TARRANT COUNTY
DALLAS COUNTY
BEGIN PROJECT
CSJ: 1315-02-009
FM 423 AT US 380
END PROJECT
CSJ: 1315-02-009
BEGIN PROJECT
CSJ: 1567-02-027
FM 423 AT 0.8 MILE SOUTH OF FM 2934
END PROJECT
CSJ: 1567-02-027
FM 423 AT STEWARTS CREEK ROAD

TEXAS COUNTY MAP



℄ FM 423
112'-0"
1'
40'-0"
1'
14'
14'
1'
40'-0"
1'
2'
12' LANE
12' LANE
12' LANE
2'
2'
12' LANE
12' LANE
12' LANE
2'
2.00%
2.00%
T501 RAIL
T501 RAIL
T501 RAIL
T501 RAIL
TYPE A BEAMS

TYPICAL BRIDGE SECTION

NOT A BIDDING DOCUMENT
LYNN A. PIPKIN
78057
TEXAS REGISTRATION NUMBER
08/16/04
DATE

ROLL 1 OF 4

DATE: SUBMITTED DECEMBER 7, 2004

SCALE (IN FEET)
HORIZ 0 50 100 200
SCALE (IN FEET)
VERT 0 5 10 15 20

Carter::Burgess

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US 380
FM 423
GARY BEDFORD DAVIS
VOL. 779, PG. 888
TRACT 2
D.R.D.C.T.
GARY BEDFORD DAVIS
VOL. 779, PG. 888
TRACT 1
D.R.D.C.T.
PC STA 13+04.71
PT STA 15+48.96
PC STA 17+24.81
PT STA 19+83.29
PROPOSED SLOPE EASEMENT
NOTE: FINAL LOCATION OF MEDIAN OPENING WILL BE DETERMINED IN PS&E PHASE
PI STA=14+26.84
N= 7130910.1045
E= 2464182.8073
DELTA= 1°13'16.49" LT.
Dc= 0°30'00.00"
TANGENT= 122.13'
LENGTH= 244.25'
RADIUS= 11459.16'
PI STA=18+54.06
N= 7130483.0316
E= 2464194.4803
DELTA= 1°17'13.04" RT.
Dc= 0°30'00.00"
TANGENT= 128.70'
LENGTH= 257.39'
RADIUS= 11459.16'
PROPOSED ROW
BEGIN PROJECT
℄ F.M. 423 STA 10+00.00
CSJ - 1315-02-009
2200
2600
38000
US 380
9600
1400
9000
FM 423
M.B. RUDMAN AND JOSEPHINE RUDMAN
TO
RUDMAN PARTNERSHIP
VOL. 2844, PG. 42
D.R.D.C.T.
CL FM 423 STA 29+20.39
4-36"X130' RCP
FL=568.50'
PROPOSED FM 423 ℄
EXISTING ROW
GARY BEDFORD DAVIS
VOL. 5354, PG. 5842
TRACT2
D.R.D.C.T.
GIBBS RD/ FUTURE VIRGINIA PKWY
POB STA 10+00.00
℄ FM 423 STA 39+52.53=
℄ FUTURE VIRGINIA PKWY STA 11+54.01
S89°55'43.36"E
2200
17800
VIRGINIA PKWY
2200
FM 423
STATE OF TEXAS
VOL. 460, PG. 6
D.R.D.C.T.
BERT FIELDS, JR.
VOL. 523, PG. 681
TRACT 1 D.R.D.C.T.
BEGIN BRIDGE ℄ F.M. 423 STA 53+05.42
END BRIDGE ℄ F.M. 423 STA 59+65.42
STATE OF TEXAS
VOL. 459, PG. 684
D.R.D.C.T.
STATE OF TEXAS
VOL. 459, PG. 684
D.R.D.C.T.
EXISTING DRAINAGE EASEMENT
NORTHWEST RANCH LTD.
CC# 94-R0001352
D.R.D.C.T.
PANTHER CREEK
13800
FM 423
6200
PANTHER CREEK RD
2800
PANTHER CREEK RD
TSS CONTROLS
CL FM 423 STA 63+58.69
3-48"X181' RCP
FL=540.00'
PC STA 67+47.64
BINGIEE O. SHIU AND BRIAN B. SHIU
TRACT 2
VOL. 2520, PG. 55
1% INTEREST
D.R.D.C.T.
PI STA=71+71.03
N= 7125186.1086
E= 2464220.3437
DELTA= 25°04'00.33" RT.
Dc= 3°00'00.00"
TANGENT= 424.57'
LENGTH= 835.56'
RADIUS= 1909.86'
PI STA=77+41.50
N= 7124635.8694
E= 2463975.4730
DELTA= 2°07'33.96" RT.
Dc= 0°40'00.00"
TANGENT= 159.48'
LENGTH= 318.92'
RADIUS= 8594.37'
PT STA 75+83.02
PC STA 78+34.86
PT STA 80+72.06
LOGAN SPRINGS DRIVE
RICHMOND CIRCLE
BRAZOS ELECTRIC POWER COOPERATIVE EASEMENT
EAGLEMONT DRIVE
LITTLE ANNIE DRIVE
CRYSTAL LAKE DRIVE
LITE CIRCLE
HIGHLAND CIRCLE
FRISCO RANCH
PHASE 1A
CAB. 972-973
P.R.D.C.T.
PI STA=82+59.00
N= 7124774.3805
E= 2463741.2080
DELTA= 2°08'31.22" LT.
Dc= 0°40'00.00"
TANGENT= 160.67'
LENGTH= 321.30'
RADIUS= 8594.37'
MOUNT ZION CEMETERY
ELDORADO RANCH LTD.
VOL. 4576, PG. 2060
D.R.D.C.T.
PC STA 83+75.49
PT STA 84+52.96
PC STA 86+43.92
PI STA=88+12.83
N= 7123671.4894
E= 2463509.1317
DELTA= 1°58'12.12" LT.
Dc= 0°35'00.00"
TANGENT= 168.88'
LENGTH= 337.72'
RADIUS= 9822.13'
PT STA 89+81.64
PC STA 91+92.04
PT STA 95+32.52
LONE PINE DRIVE
TSS CONTROLS
CL FM 423 STA 89+53.47
6-5'X5'X160' RCB
FL=569.90'
EXISTING DRAINAGE EASEMENT
PI STA=93+62.33
N= 7123164.8986
E= 2463296.1585
DELTA= 1°59'09.95" RT.
Dc= 0°35'00.00"
TANGENT= 170.25'
LENGTH= 340.47'
RADIUS= 9822.13'
RIVERSIDE DRIVE
FRISCO RANCH DRIVE
PEAK CIRCLE
MATCH LINE STA 100+00
0 100 200 300
GRAPHIC SCALE IN FEET

TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
F.M. 423

DENTON COUNTY

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CSJ: 1315-02-009
FROM: 0.8 MILE SOUTH OF FM 2934 TO STEWARTS CREEK ROAD
CSJ: 1567-02-027
7.02 MILES

OFFICE OF DISTRICT ENGINEER
DALLAS DISTRICT

DESIGN SPEED 45 M.P.H.
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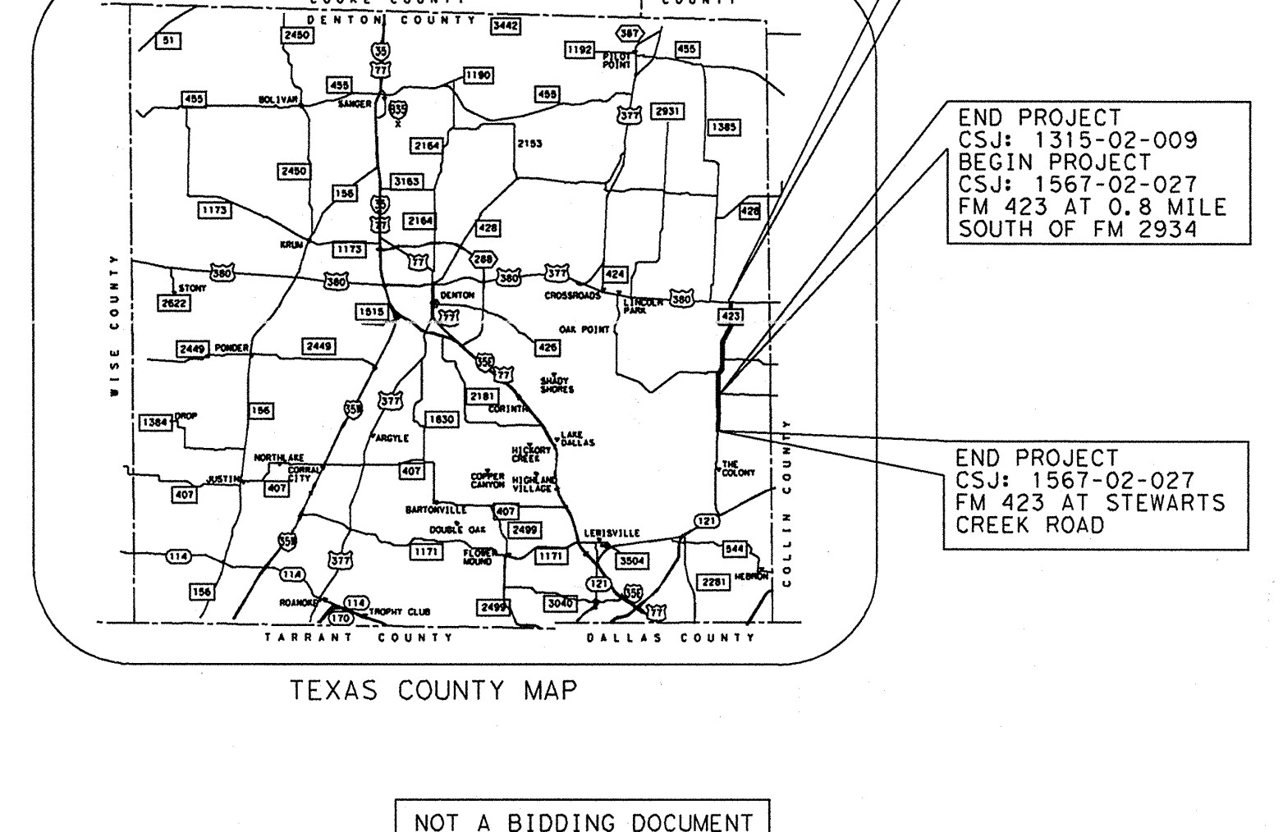

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