Roll 4 of 4 (Egan Road, Masch Branch, Cindy road, Mesa Road, IH-35)

TEXAS DEPARTMENT OF TRANSPORTATION

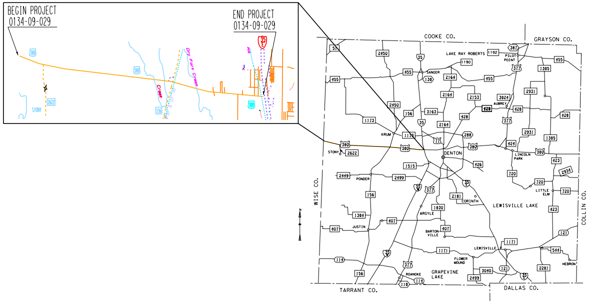
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380

FROM: DENTON/WISE COUNTY LINE ROAD
TO: IH 35
CONTROL: 0134-09-029
PRINCIPAL ARTERIAL
DENTON COUNTY

DESIGN SPEED=70 mph EB (0+00-105+00, 145+00-415+16.26)
WB (84+00-167+00)
DESIGN SPEED=40 mph WB (0+00-84+00, 167+00-415+00)
EB (105+00-145+00)
DESIGN SPEED=45 mph (415+00-663+19.78)

PROJECT LENGTH = 12.6 miles
SCALE: HORIZONTAL 1:100
ROLL 4 OF 4
APRIL 2004


BEGIN PROJECT
0134-09-029
END PROJECT
0134-09-029
COOKE CO.
GRAYSON CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
DENTON
KRUM
SANGER
PONDER
JUSTIN
ARGYLE
CORINTH
LEWISVILLE
LEWISVILLE LAKE
GRAPEVINE LAKE
LAKE RAY ROBERTS
LITTLE ELM
AUBREY
PILOT POINT
LINCOLN PARK
BARTON VILLE
FLOWER MOUND
ROANOKE
HEBRON
STONY

NOT A BIDDING DOCUMENT
ENGINEER BRUCE WAYNE NOLLEY, P.E.
P.E. NUMBER 82048
DATE APRIL 2, 2004

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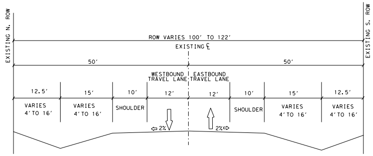
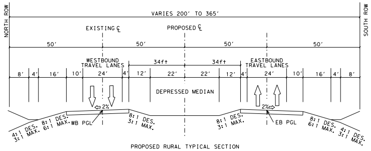
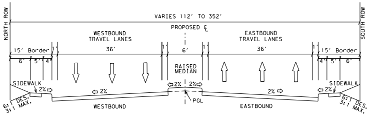
PROPOSED TYPICAL SECTIONS


EXISTING N. ROW
EXISTING S. ROW
ROW VARIES 100' TO 122'
EXISTING ℄
50'
50'
WESTBOUND TRAVEL LANE
EASTBOUND TRAVEL LANE
12.5'
15'
10'
12'
12'
10'
15'
12.5'
VARIES 4' TO 16'
VARIES 4' TO 16'
SHOULDER
SHOULDER
VARIES 4' TO 16'
VARIES 4' TO 16'
2%
2%

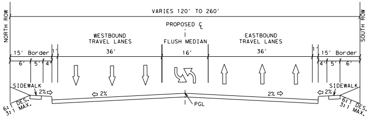
EXISTING TYPICAL SECTION


NORTH ROW
SOUTH ROW
VARIES 200' TO 365'
EXISTING ℄
PROPOSED ℄
50'
50'
50'
50'
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
34ft
34ft
8'
4'
16'
10'
24'
4'
12'
22'
22'
12'
4'
24'
10'
16'
4'
8'
DEPRESSED MEDIAN
2%
2%
4:1 DES. 3:1 MAX.
8:1 DES. 6:1 MAX.
WB PGL
8:1 DES. 3:1 MAX.
8:1 DES. 3:1 MAX.
EB PGL
8:1 DES. 6:1 MAX.
4:1 DES. 3:1 MAX.

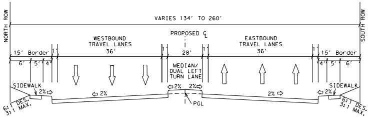
PROPOSED RURAL TYPICAL SECTION
STA 0+00 - 415+16.26
DEPRESSED MEDIAN


NORTH ROW
SOUTH ROW
VARIES 112' TO 352'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
36'
6'
36'
15' Border
15' Border
6'
5'
4'
4'
5'
6'
RAISED MEDIAN
SIDEWALK
SIDEWALK
2%
2%
2%
2%
2%
2%
PGL
WESTBOUND
EASTBOUND
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

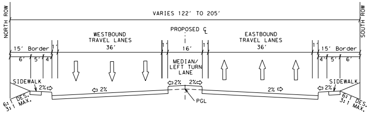
PROPOSED URBAN TYPICAL SECTION
STA 415+00 TO 443+00
RAISED MEDIAN
BARRIER CURBS


NORTH ROW
SOUTH ROW
VARIES 120' TO 260'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
FLUSH MEDIAN
36'
16'
36'
15' Border
15' Border
6'
5'
4'
4'
5'
6'
SIDEWALK
SIDEWALK
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

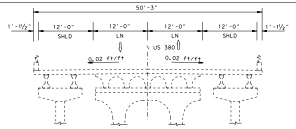
PROPOSED URBAN TYPICAL SECTION
STA 443+00 TO 508+00
FLUSH MEDIAN


NORTH ROW
SOUTH ROW
VARIES 134' TO 260'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
36'
28'
36'
15' Border
15' Border
6'
5'
4'
4'
5'
6'
MEDIAN/ DUAL LEFT TURN LANE
SIDEWALK
SIDEWALK
2%
2%
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

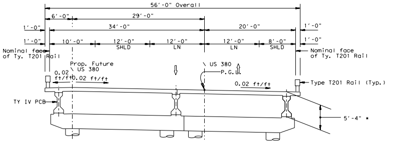
PROPOSED URBAN TYPICAL SECTION
STA 508+00 TO 639+00
RAISED MEDIAN
BARRIER CURBS


NORTH ROW
SOUTH ROW
VARIES 122' TO 205'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
36'
16'
36'
15' Border
15' Border
6'
5'
4'
4'
5'
6'
MEDIAN/ LEFT TURN LANE
SIDEWALK
SIDEWALK
2%
2%
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

PROPOSED URBAN TYPICAL SECTION
STA 589+00 TO 663+19.78
RAISED MEDIAN
BARRIER CURBS


50'-3"
1'-1½"
12'-0"
12'-0"
12'-0"
12'-0"
1'-1½"
SHLD
LN
LN
SHLD
US 380
0.02 ft/ft
0.02 ft/ft

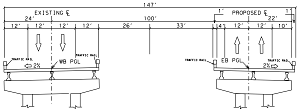
TYPICAL SECTION - EXISTING STRUCTURE @ FM156


56'-0" Overall
6'-0"
29'-0"
34'-0"
20'-0"
1'-0"
1'-0"
1'-0"
1'-0"
10'-0"
12'-0"
12'-0"
12'-0"
8'-0"
SHLD
LN
LN
SHLD
Nominal face of Ty. T201 Rail
Nominal face of Ty. T201 Rail
Prop. Future US 380
US 380
P.G.L.
0.02 ft/ft
0.02 ft/ft
0.02 ft/ft
Type T201 Rail (Typ.)
TY IV PCB
5'-4" *

* Assumed depth of Structure for Min. Vertical Clearance Calculations.

TYPICAL SECTION - COMPLETED STRUCTURE @ FM 156

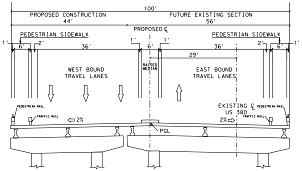
NOTE: BRIDGE TYPICAL SECTIONS PROVIDED BY TXDOT DALLAS DISTRICT ROADWAY DESIGN CSJ: 0134-09-047


147'
EXISTING ℄
PROPOSED ℄
24'
100'
1'
22'
1'
12'
12'
12'
12'
26'
33'
4'
12'
12'
10'
TRAFFIC RAIL
TRAFFIC RAIL
TRAFFIC RAIL
TRAFFIC RAIL
WB PGL
EB PGL
2%
2%

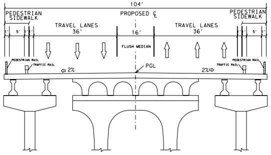
EXISTING BRIDGE TO REMAIN

PROPOSED BRIDGE

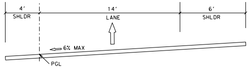
EXISTING SOUTH HICKORY CREEK BRIDGE TO REMAIN
PROPOSED PARALLEL SOUTH HICKORY CREEK BRIDGE
STA 384+88 - 387+52


100'
PROPOSED CONSTRUCTION 44'
FUTURE EXISTING SECTION 56'
PROPOSED ℄
PEDESTRIAN SIDEWALK
PEDESTRIAN SIDEWALK
1'
6'
2'
36'
1'
6'
1'
29'
36'
2'
6'
1'
RAISED MEDIAN
WEST BOUND TRAVEL LANES
EAST BOUND TRAVEL LANES
EXISTING ℄ US 380
PEDESTRIAN RAIL
TRAFFIC RAIL
PEDESTRIAN RAIL
TRAFFIC RAIL
2%
2%
PGL

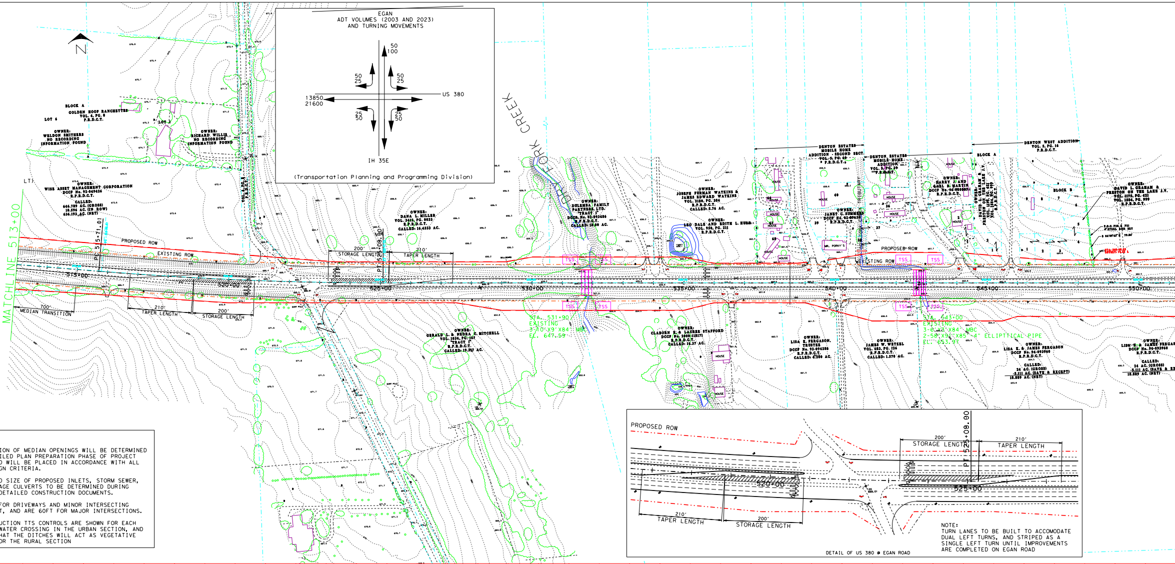
PROPOSED FM 156 BRIDGE TYPICAL SECTION
STA 432+93 TO 436+17
RAISED MEDIAN
BARRIER CURBS


104'
PEDESTRIAN SIDEWALK
PROPOSED ℄
PEDESTRIAN SIDEWALK
TRAVEL LANES 36'
16'
TRAVEL LANES 36'
5'
5'
FLUSH MEDIAN
PEDESTRIAN RAIL
TRAFFIC RAIL
PEDESTRIAN RAIL
TRAFFIC RAIL
PGL
2%
2%

EXISTING NORTH HICKORY CREEK BRIDGE TO BE WIDENED
STA 448+42 TO 492+24


4'
SHLDR
14'
LANE
6'
SHLDR
6% MAX
PGL

PROPOSED RAMP TYPICAL SECTION


EGAN
ADT VOLUMES (2003 AND 2023)
AND TURNING MOVEMENTS
50
100
50
25
50
25
13850
21600
US 380
25
50
25
50
IH 35E
(Transportation Planning and Programming Division)
N
MATCHLINE 513+00
PC 515+71.01
PROPOSED ROW
EXISTING ROW
515+00
700'
MEDIAN TRANSITION
210'
TAPER LENGTH
200'
STORAGE LENGTH
520+00
200'
STORAGE LENGTH
PT 525+09.90
210'
TAPER LENGTH
525+00
530+00
535+00
540+00
545+00
550+00
FORK CREEK
TSS
STA. 531+90
EXISTING
3-10'X9'X84' MBC
EL. 647.59
STA. 543+00
EXISTING
3-6'X3'X84' MBC
2-58"X91"X85'-4" ELLIPTICAL PIPE
EL. 653.97
PROPOSED ROW
EXISTING ROW
TRIBUTARY
BLOCK A
GOLDEN HOOF RANCHETTES
VOL. 4, PG. 8
P.R.D.C.T.
LOT 6
LOT 5
OWNER:
WELDON SMITHERS
NO RECORDING
INFORMATION FOUND
OWNER:
RICHARD WILLIS
NO RECORDING
INFORMATION FOUND
OWNER:
WISE ASSET MANAGEMENT CORPORATION
DCCF No. 92-049436
R.P.R.D.C.T.
CALLED:
646.799 AC. (GROSS)
10.596 AC. (IN ROW)
636.193 AC. (NET)
OWNER:
DANA L. MILLER
VOL. 3412, PG. 0033
R.P.R.D.C.T.
CALLED: 16.4333 AC.
OWNER:
GERALD L. & NEDRA C. MITCHELL
TRACT 2
R.P.R.D.C.T.
OWNER:
DULEMBA FAMILY
PARTNERS, LTD.
TRACT 2
R.P.R.D.C.T.
OWNER:
JOSEPH FURMAN WATKINS &
JAMES EDWARD WATKINS
R.P.R.D.C.T.
OWNER:
LEO DALE AND EDITH L. HUBB
R.P.R.D.C.T.
OWNER:
CLABORN K. & LAURIE STAFFORD
R.P.R.D.C.T.
DENTON ESTATES
MOBILE HOME
ADDITION - SECOND SECT.
P.R.D.C.T.
DENTON ESTATES
MOBILE HOME
ADDITION
P.R.D.C.T.
OWNER:
JANET C. SUMMERS
R.P.R.D.C.T.
OWNER:
HARRY J. AND
CARL R. MARTIN
R.P.R.D.C.T.
BLOCK A
DENTON WEST ADDITION
VOL. 5, PG. 16
P.R.D.C.T.
BLOCK B
OWNER:
DAVID L. GRAHAM &
PRESTON ON THE LAKE J.V.
R.P.R.D.C.T.
OWNER:
LISA K. FERGASON,
TRUSTEE
R.P.R.D.C.T.
CALLED: 6.200 AC.
OWNER:
JAMES W. WETZEL
R.P.R.D.C.T.
CALLED: 1.570 AC.
OWNER:
LISA K. & JAMES FERGASON
R.P.R.D.C.T.
CALLED:
24 AC. (GROSS)
-5.111 AC. (SAVE & EXCEPT)
18.889 AC. (NET)
HOUSE
MR. PORKY'S
PROPOSED ROW
520+00
PT 525+09.90
200'
STORAGE LENGTH
210'
TAPER LENGTH
525+00
210'
TAPER LENGTH
200'
STORAGE LENGTH

NOTE:
TURN LANES TO BE BUILT TO ACCOMODATE DUAL LEFT TURNS, AND STRIPED AS A SINGLE LEFT TURN UNTIL IMPROVEMENTS ARE COMPLETED ON EGAN ROAD

DETAIL OF US 380 @ EGAN ROAD

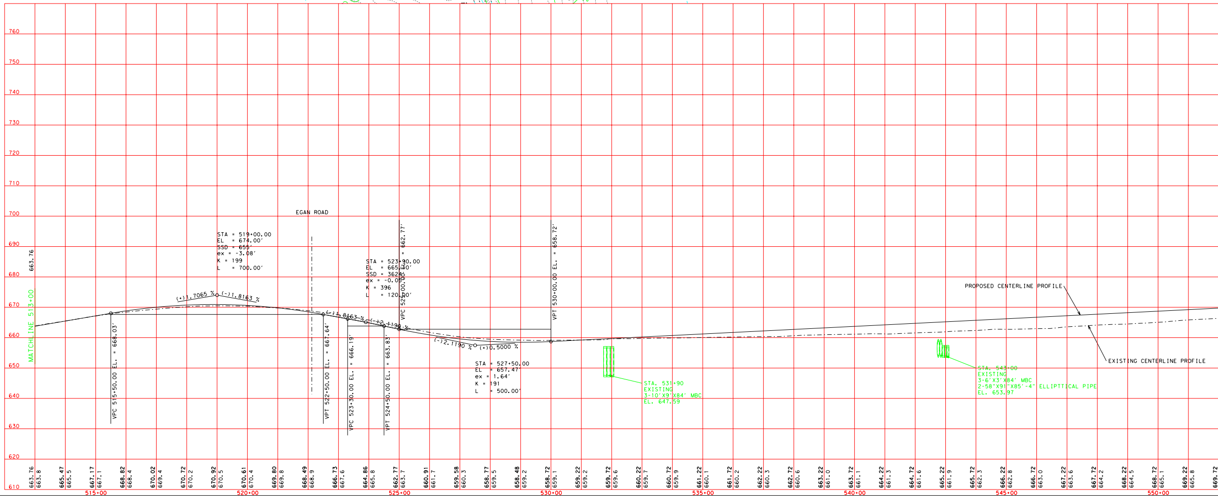
GENERAL NOTES:

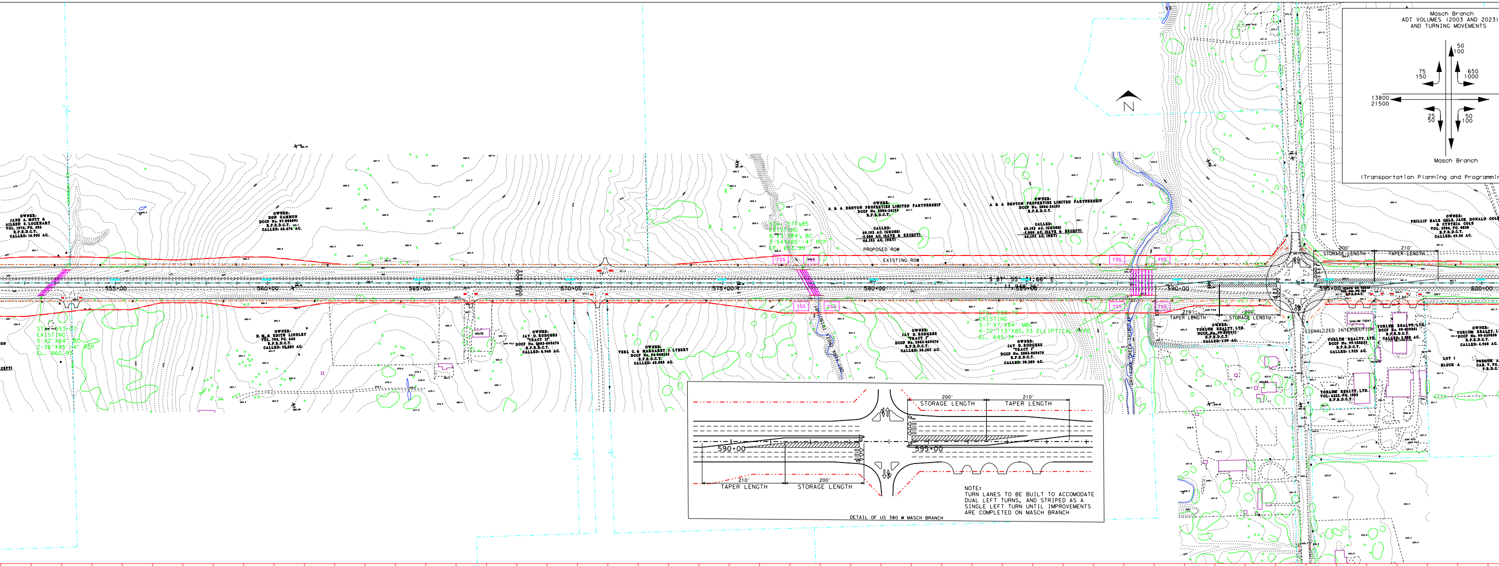
1. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED DURING THE DETAILED PLAN PREPARATION PHASE OF PROJECT DEVELOPMENT, AND WILL BE PLACED IN ACCORDANCE WITH ALL APPLICABLE DESIGN CRITERIA.

2. LOCATION AND SIZE OF PROPOSED INLETS, STORM SEWER, AND CROSS DRAINAGE CULVERTS TO BE DETERMINED DURING PREPARATION OF DETAILED CONSTRUCTION DOCUMENTS.

3. CURB RADII FOR DRIVEWAYS AND MINOR INTERSECTING STREETS ARE 30FT, AND ARE 60FT FOR MAJOR INTERSECTIONS.

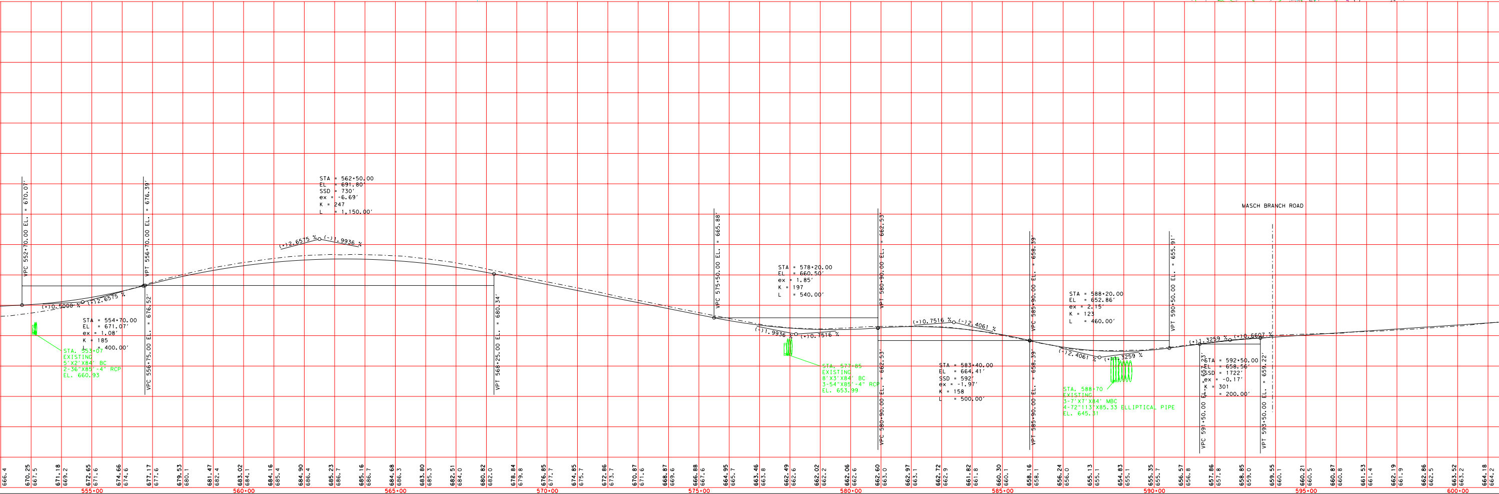
4. POST CONSTRUCTION TTS CONTROLS ARE SHOWN FOR EACH JURISDICTIONAL WATER CROSSING IN THE URBAN SECTION, AND IT IS ASSUMED THAT THE DITCHES WILL ACT AS VEGETATIVE FILTER STRIPS FOR THE RURAL SECTION

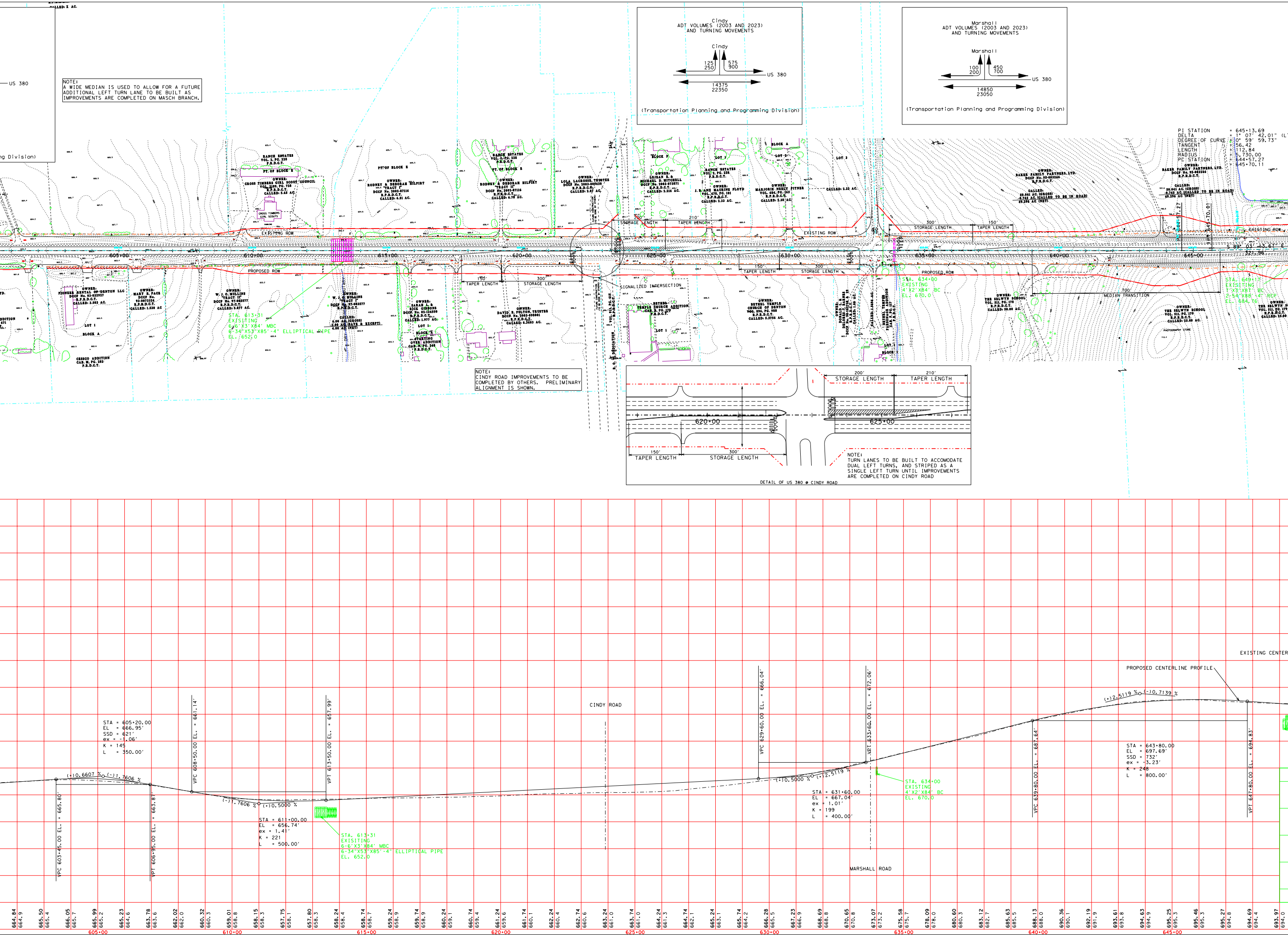



Masch Branch
ADT VOLUMES (2003 AND 2023)
AND TURNING MOVEMENTS
50
100
75
150
650
1000
13800
21500
25
50
50
100
Masch Branch
(Transportation Planning and Programmin
N
OWNER:
JANE S. MOTT &
AILEEN S. LOCKHART
VOL. 1974, PG. 384
R.P.R.D.C.T.
CALLED: 16.956 AC.
OWNER:
DON GAMMON
DCCF No. 97-060091
R.P.R.D.C.T.
CALLED: 60.474 AC.
OWNER:
A & A DENTON PROPERTIES LIMITED PARTNERSHIP
DCCF No. 2004-24153
R.P.R.D.C.T.
CALLED:
69.193 AC. (GROSS)
-5.000 AC. (SAVE & EXCEPT)
64.193 AC. (NET)
OWNER:
PHILLIP HALE COLE, JACK DONALD COL
& CYNTHIA COLE
VOL. 2984, PG. 0838
R.P.R.D.C.T.
CALLED: 49.56 AC.
STA. 577+85
EXISTING
8'X3'X84' BC
3-54"X85'-4" RCP
EL. 653.99
PROPOSED ROW
EXISTING ROW
TSS
S 87° 55' 31.66" E
11,948.26'
555+00
560+00
565+00
570+00
575+00
580+00
585+00
590+00
595+00
600+00
STORAGE LENGTH
TAPER LENGTH
200'
210'
STA. 553+07
EXISTING
5'X2'X84' BC
2-36"X85'-4" RCP
EL. 660.93
OWNER:
H. M. & EDITH LINDLEY
VOL. 795, PG. 446
R.P.R.D.C.T.
CALLED: 20.882 AC.
HOUSE
OWNER:
JAY D. RODGERS
"TRACT I"
DCCF No. 2003-069476
R.P.R.D.C.T.
CALLED: 0.960 AC.
OWNER:
VERL C. & MARGARET J. LYBERT
DCCF No. 94-060135
R.P.R.D.C.T.
CALLED: 45.000 AC.
OWNER:
JAY D. RODGERS
"TRACT I"
DCCF No. 2003-069476
R.P.R.D.C.T.
CALLED: 30.382 AC.
STA. 588+70
EXISTING
3-7'X7'X84' MBC
4-72"113"X85.33 ELLIPTICAL PIPE
EL. 645.34
DRY FORK CREEK TRIBUTARY
SIGNALIZED INTERSECTION
OWNER:
YORLUM REALTY, LTD.
DCCF No. 99-102533
R.P.R.D.C.T.
CALLED: 1.923 AC.
SHALOM TODAY
LOT 1
BLOCK A
590+00
595+00
210'
TAPER LENGTH
200'
STORAGE LENGTH
200'
STORAGE LENGTH
210'
TAPER LENGTH

NOTE:
TURN LANES TO BE BUILT TO ACCOMODATE DUAL LEFT TURNS, AND STRIPED AS A SINGLE LEFT TURN UNTIL IMPROVEMENTS ARE COMPLETED ON MASCH BRANCH

DETAIL OF US 380 @ MASCH BRANCH

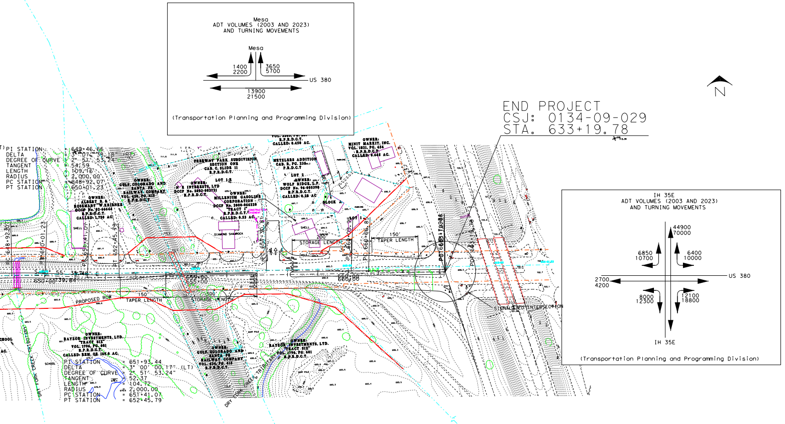

VPC 552+70.00 EL. = 670.07'
(+)0.5000 %
(+)2.6575 %
STA = 554+70.00
EL = 671.07'
ex = 1.08'
K = 185
L = 400.00'
STA. 553+07
EXISTING
5'X2'X84' BC
2-36"X85'-4" RCP
EL. 660.93
VPT 556+70.00 EL. = 676.39'
VPC 556+75.00 EL. = 676.52'
STA = 562+50.00
EL = 691.80'
SSD = 730'
ex = -6.69'
K = 247
L = 1,150.00'
(+)2.6575 %
(-)1.9936 %
VPT 568+25.00 EL. = 680.34'
VPC 575+50.00 EL. = 665.88'
STA = 578+20.00
EL = 660.50'
ex = 1.85'
K = 197
L = 540.00'
(-)1.9936 %
(+)0.7516 %
STA. 577+85
EXISTING
8'X3'X84' BC
3-54"X85'-4" RCP
EL. 653.99
VPT 580+90.00 EL. = 662.53'
VPC 580+90.00 EL. = 662.53'
(+)0.7516 %
(-)2.4061 %
STA = 583+40.00
EL = 664.41'
SSD = 592'
ex = -1.97'
K = 158
L = 500.00'
VPT 585+90.00 EL. = 658.39'
VPC 585+90.00 EL. = 658.39'
STA = 588+20.00
EL = 652.86'
ex = 2.15'
K = 123
L = 460.00'
(-)2.4061 %
(+)1.3259 %
STA. 588+70
EXISTING
3-7'X7'X84' MBC
4-72"113"X85.33 ELLIPTICAL PIPE
EL. 645.31
VPT 590+50.00 EL. = 655.91'
(+)1.3259 %
(+)0.6607 %
STA = 592+50.00
EL = 658.56'
SSD = 1722'
ex = -0.17'
K = 301
L = 200.00'
VPC 591+50.00 EL. = 657.23'
VPT 593+50.00 EL. = 659.22'
MASCH BRANCH ROAD
666.4
670.25
667.5
671.18
669.2
672.65
671.6
674.66
674.6
677.17
677.6
679.53
680.1
681.47
682.4
683.02
684.1
684.16
685.4
684.90
686.4
685.23
686.7
685.16
686.7
684.68
686.3
683.80
685.3
682.51
684.0
680.82
682.0
678.84
679.8
676.85
677.7
674.85
675.7
672.86
673.7
670.87
671.6
668.87
669.6
666.88
667.6
664.95
665.7
663.46
663.8
662.49
662.6
662.02
662.2
662.06
662.6
662.60
663.0
662.97
663.1
662.72
662.9
661.82
661.8
660.30
660.1
658.16
658.1
656.24
656.0
655.13
655.1
654.83
655.1
655.35
655.7
656.57
656.8
657.86
657.8
658.85
659.0
659.55
660.1
660.21
660.5
660.87
660.8
661.53
661.4
662.19
661.9
662.86
662.5
663.52
663.2
664.18
664.2
555+00
560+00
565+00
570+00
575+00
580+00
585+00
590+00
595+00
600+00


US 380
Cindy
ADT VOLUMES (2003 AND 2023)
AND TURNING MOVEMENTS
Cindy
125
250
575
900
US 380
14375
22350
(Transportation Planning and Programming Division)
Marshall
ADT VOLUMES (2003 AND 2023)
AND TURNING MOVEMENTS
Marshall
100
200
450
700
US 380
14850
23050
(Transportation Planning and Programming Division)
PI STATION = 645+13.69
DELTA = 1° 07' 42.01"
DEGREE OF CURVE = 0° 59' 59.73"
TANGENT = 56.42
LENGTH = 112.84
RADIUS = 5,730.00
PC STATION = 644+57.27
PT STATION = 645+70.11
EXISTING ROW
PROPOSED ROW
605+00
610+00
615+00
620+00
625+00
630+00
635+00
640+00
645+00
200' STORAGE LENGTH
210' TAPER LENGTH
300' STORAGE LENGTH
150' TAPER LENGTH
150' TAPER LENGTH
300' STORAGE LENGTH
SIGNALIZED INTERSECTION
700' MEDIAN TRANSITION
STA. 613+31
EXISTING
6-6'X3'X84' MBC
6-34"X53"X85'-4" ELLIPTICAL PIPE
EL. 652.0
STA. 634+00
EXISTING
4'X2'X84' BC
EL. 670.0
DETAIL OF US 380 @ CINDY ROAD
620+00
625+00
CINDY ROAD
MARSHALL ROAD
PROPOSED CENTERLINE PROFILE
EXISTING CENTER
STA = 605+20.00
EL = 666.95'
SSD = 621'
ex = -1.06'
K = 145
L = 350.00'
VPC 603+45.00 EL. = 665.80'
VPT 606+95.00 EL. = 663.87'
(+)0.6607 %
(-)1.7606 %
VPC 608+50.00 EL. = 661.14'
VPT 613+50.00 EL. = 657.99'
STA = 611+00.00
EL = 656.74'
ex = 1.41'
K = 221
L = 500.00'
(-)1.7606 %
(+)0.5000 %
VPC 629+60.00 EL. = 666.04'
VPT 633+60.00 EL. = 672.06'
STA = 631+60.00
EL = 667.04'
ex = 1.01'
K = 199
L = 400.00'
(+)0.5000 %
(+)2.5119 %
VPC 639+80.00 EL. = 681.64'
VPT 647+80.00 EL. = 694.83'
STA = 643+80.00
EL = 697.69'
SSD = 732'
ex = -3.23'
K = 248
L = 800.00'
(+)2.5119 %
(-)0.7139 %
605+00
610+00
615+00
620+00
625+00
630+00
635+00
640+00
645+00

NOTE:
A WIDE MEDIAN IS USED TO ALLOW FOR A FUTURE ADDITIONAL LEFT TURN LANE TO BE BUILT AS IMPROVEMENTS ARE COMPLETED ON MASCH BRANCH.

NOTE:
CINDY ROAD IMPROVEMENTS TO BE COMPLETED BY OTHERS. PRELIMINARY ALIGNMENT IS SHOWN.

NOTE:
TURN LANES TO BE BUILT TO ACCOMODATE DUAL LEFT TURNS, AND STRIPED AS A SINGLE LEFT TURN UNTIL IMPROVEMENTS ARE COMPLETED ON CINDY ROAD


Mesa
ADT VOLUMES (2003 AND 2023)
AND TURNING MOVEMENTS
Mesa
1400
2200
3650
5700
US 380
13900
21500
(Transportation Planning and Programming Division)
END PROJECT
CSJ: 0134-09-029
STA. 633+19.78
N
IH 35E
ADT VOLUMES (2003 AND 2023)
AND TURNING MOVEMENTS
44900
70000
6850
10700
6400
10000
2700
4200
US 380
8000
12300
12100
18800
IH 35E
(Transportation Planning and Programming Division)
PI STATION = 649+46.66
DELTA = 3°07'38.18"
DEGREE OF CURVE = 2°51'53.24"
TANGENT = 54.59
LENGTH = 109.16'
RADIUS = 2,000.00'
PC STATION = 648+92.07
PT STATION = 650+01.23
PI STATION = 651+93.44
DELTA = 3°00'00.17" (LT)
DEGREE OF CURVE = 2°51'53.24"
TANGENT = 52.37
LENGTH = 104.72
RADIUS = 2,000.00
PC STATION = 651+41.07
PT STATION = 652+45.79
PROPOSED ROW
150'
TAPER LENGTH
300'
STORAGE LENGTH
150'
TAPER LENGTH
200'
STORAGE LENGTH
SIGNALIZED INTERSECTION
DRY FORK CREEK TRIBUTARY

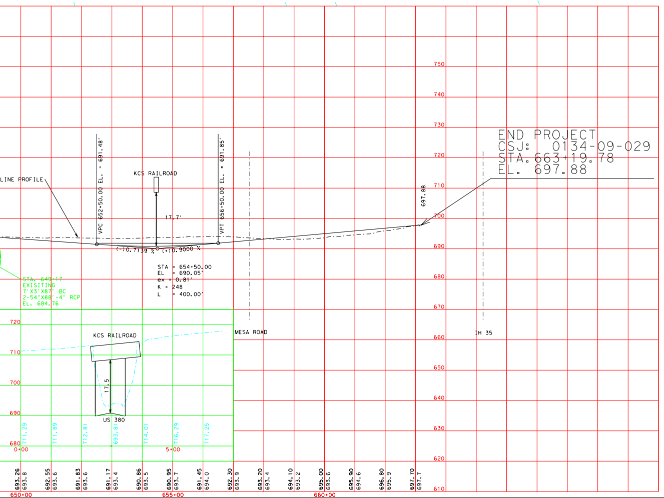
GENERAL NOTES:

1. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED DURING THE DETAILED PLAN PREPARATION PHASE OF PROJECT DEVELOPMENT, AND WILL BE PLACED IN ACCORDANCE WITH ALL APPLICABLE DESIGN CRITERIA.

2. LOCATION AND SIZE OF PROPOSED INLETS, STORM SEWER, AND CROSS DRAINAGE CULVERTS TO BE DETERMINED DURING PREPARATION OF DETAILED CONSTRUCTION DOCUMENTS.

3. CURB RADII FOR DRIVEWAYS AND MINOR INTERSECTING STREETS ARE 30FT, AND ARE 60FT FOR MAJOR INTERSECTIONS.

4. POST CONSTRUCTION TTS CONTROLS ARE SHOWN FOR EACH JURISDICTIONAL WATER CROSSING IN THE URBAN SECTION, AND IT IS ASSUMED THAT THE DITCHES WILL ACT AS VEGETATIVE FILTER STRIPS FOR THE RURAL SECTION


END PROJECT
CSJ: 0134-09-029
STA. 663+19.78
EL. 697.88
LINE PROFILE
KCS RAILROAD
VPC 652+50.00 EL. = 691.48'
VPT 656+50.00 EL. = 691.85'
17.7'
(-)0.7139 %
(+)0.9000 %
STA = 654+50.00
EL = 690.05'
ex = 0.81'
K = 248
L = 400.00'
697.88
MESA ROAD
IH 35
STA. 649+17
EXISITING
7'X3'X87' BC
2-54"X88'-4" RCP
EL. 684.76
KCS RAILROAD
US 380
17.5
0+00
5+00
750
740
730
720
710
700
690
680
670
660
650
640
630
620
610
650+00
655+00
660+00

TEXAS DEPARTMENT OF TRANSPORTATION

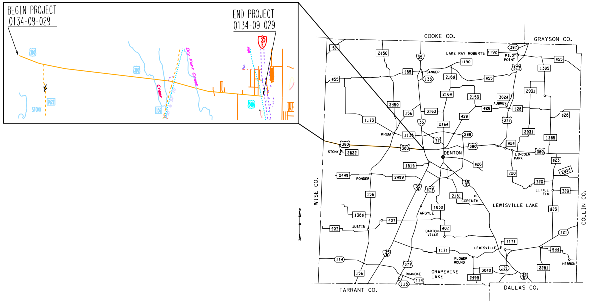
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380
FROM: DENTON/WISE COUNTY LINE ROAD
TO: IH 35

CONTROL: 0134-09-029
PRINCIPAL ARTERIAL
DENTON COUNTY

DESIGN SPEED=70 mph EB (0+00-105+00, 145+00-415+16.26)
WB (84+00-167+00)
DESIGN SPEED=40 mph WB (0+00-84+00, 167+00-415+00)
EB (105+00-145+00)
DESIGN SPEED=45 mph (415+00-663+19.78)

PROJECT LENGTH = 12.6 miles
SCALE: HORIZONTAL 1:100
ROLL 4 OF 4
APRIL 2004


BEGIN PROJECT
0134-09-029
END PROJECT
0134-09-029
COOKE CO.
GRAYSON CO.
LAKE RAY ROBERTS
PILOT POINT
SANGER
AUBREY
KRUM
DENTON
STONY
PONDER
LINCOLN PARK
WISE CO.
COLLIN CO.
CORINTH
LITTLE ELM
LEWISVILLE LAKE
ARGYLE
JUSTIN
BARTONVILLE
LEWISVILLE
FLOWER MOUND
ROANOKE
GRAPEVINE LAKE
HEBRON
TARRANT CO.
DALLAS CO.

NOT A BIDDING DOCUMENT
ENGINEER BRUCE WAYNE NOLLEY, P.E.
P.E. NUMBER 82048
DATE APRIL 2, 2004

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Roll 4 of 4 (Egan Road, Masch Branch, Cindy road, Mesa Road, IH-35)