Texas Department of Transportation

KELLY BOULEVARD AT ROSEMEADE
PRELIMINARY DESIGN SCHEMATIC

Kelly Boulevard
Denton County
CSJ: 0918-46-124

From Rosemeade Parkway to Michaelangelo Drive

NET LENGTH OF PROJECT = 3667.46 FT = 0.695 MILE
CONSTRUCTION OF THE WIDENING OF A NON-FREEWAY FACILITY
DESIGN SPEED = 35 M.P.H.

William Hale, P.E.
District Engineer

DECEMBER 2003

Scale
Horizontal 1:40
Vertical 1:2

LEGEND

EXISTING EAST R.O.W. ELEV.
EXISTING WEST R.O.W. ELEV.
EXISTING WEST TOP OF CURB
PROPOSED EAST TOP OF CURB
PROPOSED WEST TOP OF CURB

NOT A
BIDDING
DOCUMENT

ENGINEER RAVI MACHA
P.E. NUMBER 85507
DATE 12/23/03

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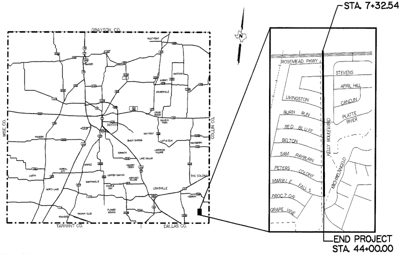
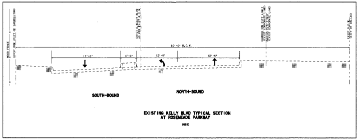
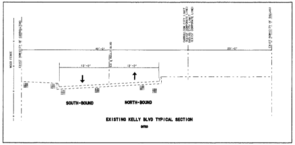
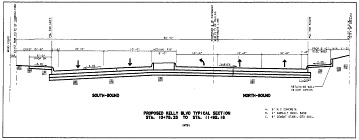

BEGIN
PROJECT
STA. 7+32.54
GRAYSON CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
DENTON
LEWISVILLE
THE COLONY
ROSEMEAD PKWY
STEVENS
APRIL HILL
CANCUN
PLATTE RIVER
LIVINGSTON
BURN RUN
RED BLUFF
BELTON
SAM RAYBURN
PETERS COLONY
MARBLE FALLS
PROCTOR
GRAPE VINE
KELLY BOULEVARD
MICHAELANGELO
END PROJECT
STA. 44+00.00


WOOD FENCE
60'-0" R.O.W.
12'-0"
4'-0"
12'-0"
12'-6"
SOUTH-BOUND
NORTH-BOUND

EXISTING KELLY BLVD TYPICAL SECTION
AT ROSEMEADE PARKWAY
(NTS)

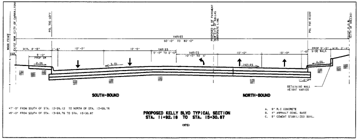

WOOD FENCE
40'-0"
20'-0"
12'-0"
12'-0"
SOUTH-BOUND
NORTH-BOUND

EXISTING KELLY BLVD TYPICAL SECTION
(NTS)


WOOD FENCE
60'-0"
MEDIAN F/F
8'-0"
10'-0"
10'-0"
10'-0"
10'-0"
10'-0"
VARIES
2.0%
SOUTH-BOUND
NORTH-BOUND
RETAINING WALL
HEIGHT VARIES

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 10+75.33 TO STA. 11+92.18
(NTS)

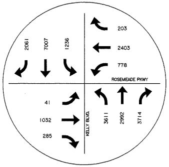
A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.


WOOD FENCE
VARIES
60'-0" TO 80'-0"
10'-0"
10'-0"
10'-0"
10'-0"
2.0%
VARIES
SOUTH-BOUND
NORTH-BOUND
RETAINING WALL
HEIGHT VARIES

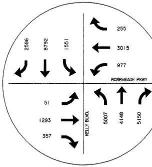
*1'-0" FROM SOUTH OF STA. 12+26.12 TO NORTH OF STA. 13+69.76
*5'-0" FROM SOUTH OF STA. 13+69.76 TO STA. 15+30.87

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 11+92.18 TO STA. 15+30.87
(NTS)

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.

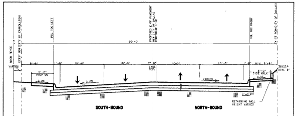

2061
7007
1236
203
2403
778
ROSEMEADE PKWY
41
1032
285
KELLY BLVD.
3611
2992
3714

EXISTING TRAFFIC COUNTS


2586
8792
1551
255
3015
977
ROSEMEADE PKWY
51
1293
357
KELLY BLVD.
5007
4148
5150

YEAR 2020 TRAFFIC PROJECTIONS

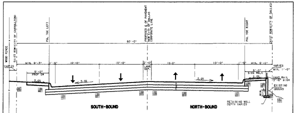
SOURCE: (1998) EXISTING TRAFFIC COUNTS OBTAIN
THE CITY OF CARROLLTON. TRAFFIC PROJECTIONS
APPLYING A GROWTH FACTOR OF 1.5% RATE PER Y


WOOD FENCE
60'-0"
10'-0"
10'-0"
10'-0"
10'-0"
PROP SW
SIDE WALK
2.0%
VARIES
SOUTH-BOUND
NORTH-BOUND
RETAINING WALL
HEIGHT VARIES

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 15+30.87 TO STA. 32+00.00
(NTS)

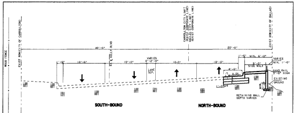
*5'-0" FROM STA. 15+30.87 TO NORTH OF STA. 20+09.76
*5'-5" FROM SOUTH OF STA. 20+09.76 TO NORTH OF STA. 21+57.67
*6'-0" FROM SOUTH OF STA. 121+57.67 TO STA.

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.


WOOD FENCE
60'-0"
10'-0"
10'-0"
10'-0"
10'-0"
PROP SW
SIDE WALK
2.0%
EXISTING GROUND
SOUTH-BOUND
NORTH-BOUND
RETAINING WALL
DEPTH VARIES

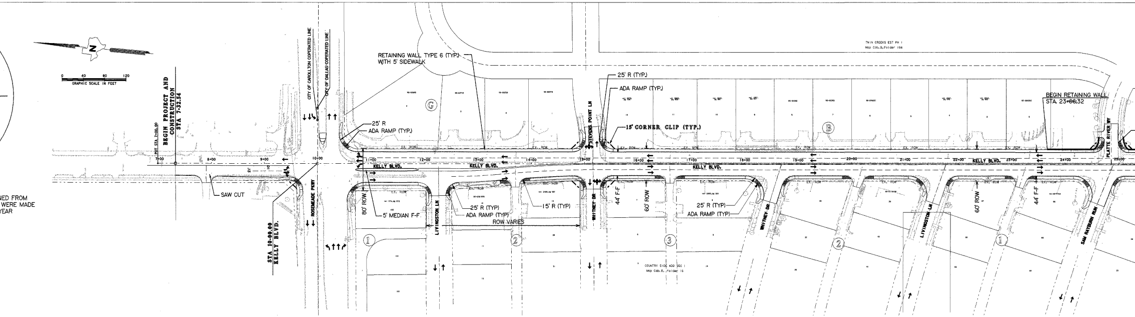
PROPOSED KELLY BLVD TYPICAL SECTION
STA. 32+00.00 TO STA. 42+00.00
(NTS)

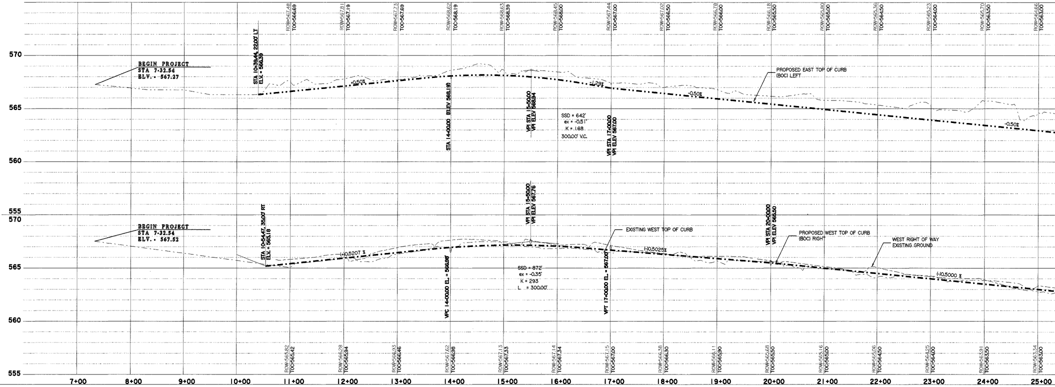
A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.

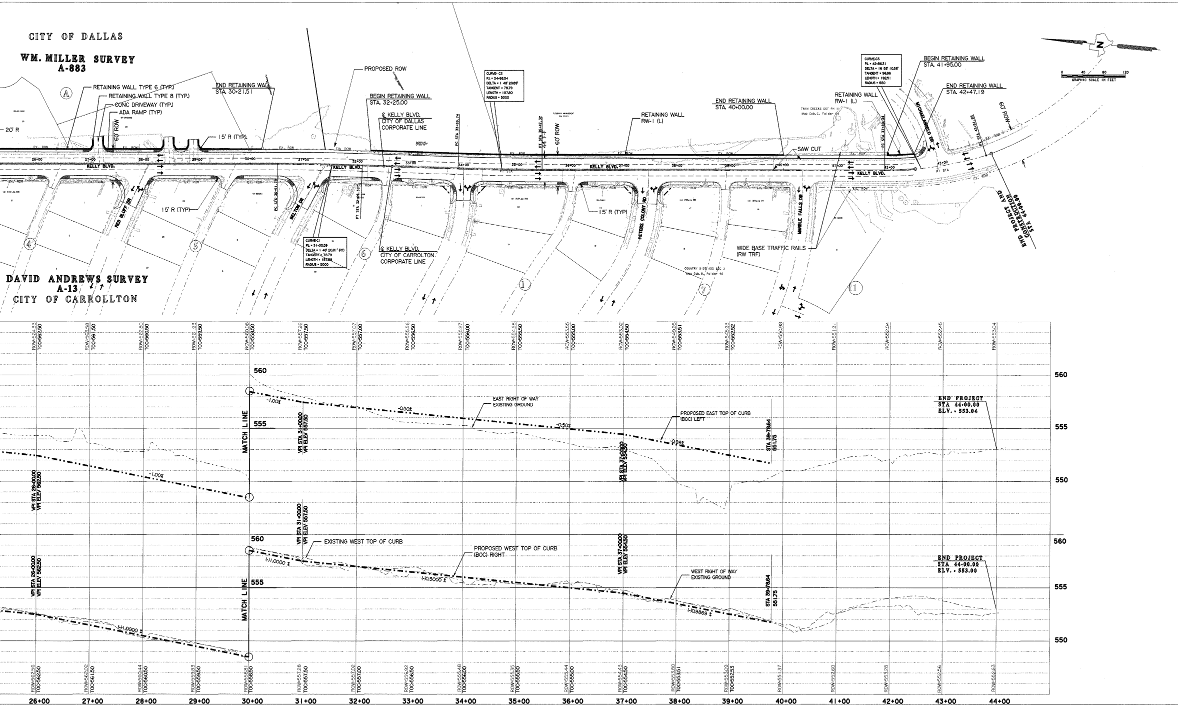

WOOD FENCE
40'-0"
20'-0"
10'-0"
10'-0"
10'-0"
VARIES
SIDE WALK
2.0%
EXISTING GROUND
SOUTH-BOUND
NORTH-BOUND
RETAINING WALL
DEPTH VARIES

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 42+00.00 TO STA. 42+47.16
(NTS)

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.


NED FROM
WERE MADE
YEAR
N
0 40 80 120
GRAPHIC SCALE IN FEET
POT STA 7+00.00
BEGIN PROJECT AND CONSTRUCTION STA 7+32.54
CITY OF CARROLLTON COPERATED LINE
CITY OF DALLAS COPERATED LINE
RETAINING WALL TYPE 6 (TYP.) WITH 5' SIDEWALK
G
25' R
ADA RAMP (TYP.)
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
KELLY BLVD.
SAW CUT
STA 10+00.00 KELLY BLVD.
ROSEMEADE PKWY
80' ROW
5' MEDIAN F-F
LIVINGSTON LN
25' R (TYP)
ADA RAMP (TYP)
ROW VARIES
15' R (TYP)
1
2
3
EX. ROW
TWIN CREEKS EST PH I
Map Cab.B, Folder 156
25' R (TYP.)
ADA RAMP (TYP.)
STEVENS POINT LN
15' CORNER CLIP (TYP.)
B
WHITNEY DR
44' F-F
60' ROW
25' R (TYP)
ADA RAMP (TYP)
COUNTRY SIDE ADD SEC I
Map Cab.B, Folder 16
WHITNEY DR
LIVINGSTON LN
60' ROW
1
44' F-F
SAM RAYBURN RUN
PLATTE RIVER WY
BEGIN RETAINING WALL
STA. 23+86.32




CITY OF DALLAS
WM. MILLER SURVEY
A-883
RETAINING WALL TYPE 6 (TYP.)
RETAINING WALL TYPE 8 (TYP.)
CONC DRIVEWAY (TYP.)
ADA RAMP (TYP)
20' R
60' ROW
15' R (TYP.)
END RETAINING WALL
STA. 30+21.51
PROPOSED ROW
BEGIN RETAINING WALL
STA. 32+25.00
℄ KELLY BLVD.
CITY OF DALLAS
CORPORATE LINE
PC STA 33+89.74
CURVE- C2
P.I. = 34+68.54
DELTA = 1 48' 20.89"
TANGENT = 78.79
LENGTH = 157.50
RADIUS = 5000
PT STA 35+47.32
60' ROW
RETAINING WALL
RW-1 (L)
END RETAINING WALL
STA. 40+00.00
TWIN CREEKS EST PH II
Map Cab.C, Folder 64
RETAINING WALL
RW-1 (L)
SAW CUT
CURVE-C3
P.I. = 42+86.31
DELTA = 16 58' 10.58"
TANGENT = 96.96
LENGTH = 192.51
RADIUS = 650
BEGIN RETAINING WALL
STA. 41+95.00
END RETAINING WALL
STA. 42+47.19
PC STA 41+89.34
PT STA 43+81.85
MICHAELANGELO DR
60' ROW
0 40 80 120
GRAPHIC SCALE IN FEET
N
EX. ROW
KELLY BLVD.
25+00
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
37+00
38+00
39+00
40+00
41+00
42+00
43+00
PI STA
A
RED BLUFF DR
15' R (TYP)
PC STA 30+51.79
BELTON DR
PT STA 32+08.38
CURVE-C1
P.I. = 31+30.59
DELTA = 1 48' 20.81" (RT)
TANGENT = 78.79
LENGTH = 157.58
RADIUS = 5000
℄ KELLY BLVD.
CITY OF CARROLLTON
CORPORATE LINE
15' R (TYP)
PETERS COLONY RD
MARBLE FALLS DR
WIDE BASE TRAFFIC RAILS
(RW TRF)
COUNTRY SIDE ADD SEC 2
Map Cab.B, Folder 40
END PROJECT AND
CONSTRUCTION
STA 44+00.00
4
5
6
1
7
11
DAVID ANDREWS SURVEY
A-13
CITY OF CARROLLTON
ROW=564.33 TOC=562.50
ROW=563.58 TOC=561.50
ROW=562.80 TOC=560.50
ROW=561.93 TOC=559.50
ROW=560.08 TOC=558.50
ROW=557.92 TOC=557.50
ROW=557.07 TOC=557.00
ROW=555.56 TOC=556.50
ROW=555.27 TOC=556.00
ROW=554.58 TOC=555.50
ROW=553.55 TOC=555.00
ROW=553.02 TOC=554.50
ROW=549.95 TOC=553.51
ROW=548.93 TOC=552.52
ROW=550.98
ROW=551.91
ROW=552.04
ROW=552.45
ROW=553.04
560
555
550
MATCH LINE
VPI STA 26+00.00
VPI ELEV 562.50
-1.00%
VPI STA 31+00.00
VPI ELEV 557.50
-1.00%
-0.50%
-0.50%
EAST RIGHT OF WAY
EXISTING GROUND
PROPOSED EAST TOP OF CURB
(BOC) LEFT
VPI STA 37+00.00
VPI ELEV 554.50
-0.99%
STA 39+78.64
551.75
END PROJECT
STA 44+00.00
ELV. = 553.04
560
555
550
MATCH LINE
VPI STA 26+00.00
VPI ELEV 562.50
(-)1.0000 %
VPI STA 31+00.00
VPI ELEV 557.50
EXISTING WEST TOP OF CURB
(-)1.0000 %
PROPOSED WEST TOP OF CURB
(BOC) RIGHT
(-)0.5000 %
VPI STA 37+00.00
VPI ELEV 554.50
WEST RIGHT OF WAY
EXISTING GROUND
(-)0.9869 %
STA 39+78.64
551.75
END PROJECT
STA 44+00.00
ELV. = 553.00
ROW=562.56 TOC=562.50
ROW=562.02 TOC=561.50
ROW=560.44 TOC=560.50
ROW=559.83 TOC=559.50
ROW=558.81 TOC=558.50
ROW=557.28 TOC=557.50
ROW=557.02 TOC=557.00
ROW=556.92 TOC=556.50
ROW=555.48 TOC=556.00
ROW=555.35 TOC=555.50
ROW=555.44 TOC=555.00
ROW=554.43 TOC=554.50
ROW=553.80 TOC=553.51
ROW=553.03 TOC=552.53
ROW=551.37
ROW=552.60
ROW=553.28
ROW=552.56
ROW=552.63
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
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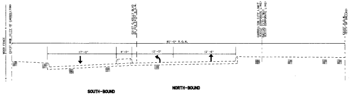
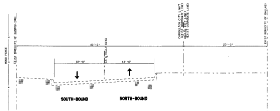
39+00
40+00
41+00
42+00
43+00
44+00


WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
EXIST ℄ KELLY BLVD AS PER EXIST R.O.W.
CARROLLTON CITY LIMIT (EXIST CORPORATE LINE) DALLAS CITY LIMIT (EXIST CORPORATE LINE)
EXIST R.O.W. (CITY OF DALLAS)
80'-0" R.O.W.
17'-0"
4'-0"
12'-0"
12'-6"
SOUTH-BOUND
NORTH-BOUND

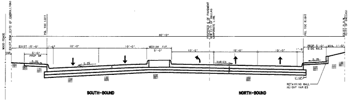
EXISTING KELLY BLVD TYPICAL SECTION
AT ROSEMEADE PARKWAY

(NTS)


WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
EX ℄ KELLY BLVD
CARROLLTON CITY LIMIT (EXIST CORPORATE LINE) DALLAS CITY LIMIT (EXIST CORPORATE LINE)
EXIST ROW (CITY OF DALLAS)
40'-0"
20'-0"
12'-0"
12'-0"
SOUTH-BOUND
NORTH-BOUND

EXISTING KELLY BLVD TYPICAL SECTION

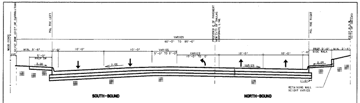
(NTS)


WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
PGL TOC LEFT
PROPOSED ℄ OF PAVEMENT NEW CITY OF DALLAS CORPORATE LINE
PGL TOC RIGHT
EXIST R.O.W. (CITY OF DALLAS)
80'-0"
EXIST 15'-6"
5'-0" PROP SW
10'-0"
10'-0"
MEDIAN F/F 5'-0"
10'-0"
VARIES
10'-0"
10'-0"
PROP 5'-0" SIDE WALK
2.0%
RETAINING WALL HEIGHT VARIES
SOUTH-BOUND
NORTH-BOUND

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 10+75.33 TO STA. 11+92.18

(NTS)

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.

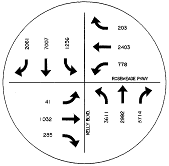

WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
PGL TOC LEFT
PROPOSED ℄ OF PAVEMENT NEW CITY OF DALLAS CORPORATE LINE
PGL TOC RIGHT
EXIST R.O.W. (CITY OF DALLAS)
VARIES
60'-0" TO 80'-0"
MIN. 8'-6"
5'-0" PROP SW
10'-0"
10'-0"
VARIES 5'-0" TO 2'-0"
VARIES 10'-0" TO 0'
10'-0"
10'-0"
PROP 5'-0" SIDE WALK
MIN. 2'-4"
2.0%
RETAINING WALL HEIGHT VARIES
SOUTH-BOUND
NORTH-BOUND

+7'-0" FROM SOUTH OF STA. 12+26.12 TO NORTH OF STA. 13+69.76
+5'-0" FROM SOUTH OF STA. 13+69.76 TO STA. 15+30.87

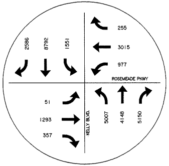
PROPOSED KELLY BLVD TYPICAL SECTION
STA. 11+92.18 TO STA. 15+30.87

(NTS)

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.

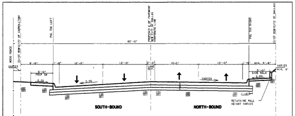

2061
7007
1236
203
2403
778
ROSEMEADE PKWY
41
1032
285
KELLY BLVD.
3611
2992
3714

EXISTING TRAFFIC COUNTS


2586
8792
1551
255
3015
977
ROSEMEADE PKWY
51
1293
357
KELLY BLVD.
5007
4148
5150

YEAR 2020 TRAFFIC PROJECTIONS

SOURCE: (1998) EXISTING TRAFFIC COUNTS OBTAINED FROM THE CITY OF CARROLLTON. TRAFFIC PROJECTIONS WERE MADE APPLYING A GROWTH FACTOR OF 1.5% RATE PER YEAR

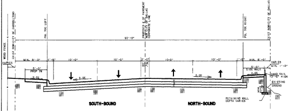

WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
PGL TOC LEFT
PROPOSED ℄ OF PAVEMENT NEW CITY OF DALLAS CORPORATE LINE
PGL TOC RIGHT
EXIST ROW (CITY OF DALLAS)
60'-0"
VARIES
5'-0" PROP SW
10'-0"
10'-0"
LANE SEP.
10'-0"
10'-0"
SIDE WALK
2.0%
VARIES
RETAINING WALL HEIGHT VARIES
SOUTH-BOUND
NORTH-BOUND

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 15+30.87 TO STA. 32+00.00

(NTS)

+5'-0" FROM STA. 15+30.87 TO NORTH OF STA. 20+09.76
+5'-6" FROM SOUTH OF STA. 20+09.76 TO NORTH OF STA. 21+57.67
+6'-0" FROM SOUTH OF STA. 121+57.67 TO STA.

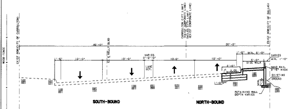
A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.


WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
PGL TOC LEFT
PROPOSED ℄ OF PAVEMENT NEW CITY OF DALLAS CORPORATE LINE
PGL TOC RIGHT
EXIST ROW (CITY OF DALLAS)
60'-0"
VARIES
MIN. 9'-3"
5'-0" PROP SW
10'-0"
10'-0"
2'-0" LANE SEP.
10'-0"
10'-0"
MIN. 6'-0"
VARIES MIN. 1'-0"
5'-0" SIDE WALK
HAND RAIL 3'-6" HIGH
EXISTING GROUND
2.0%
RETAINING WALL DEPTH VARIES
SOUTH-BOUND
NORTH-BOUND

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 32+00.00 TO STA. 42+00.00

(NTS)

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.


WOOD FENCE
EXIST ROW (CITY OF CARROLLTON)
EX ℄ KELLY BLVD
CARROLLTON CITY LIMIT (EXIST CORPORATE LINE) DALLAS CITY LIMIT (EXIST CORPORATE LINE)
EXIST ROW (CITY OF DALLAS)
40'-0"
20'-0"
10'-0"
10'-0"
VARIES 0'-2'-0"
LANE SEP.
10'-0"
10'-0"
4'-0"
2.0%
MIN. 6'-0"
VARIES MIN. 1'-0"
5'-0" SIDE WALK
HAND RAIL 3'-6" HIGH
EXISTING GROUND
RETAINING WALL DEPTH VARIES
SOUTH-BOUND
NORTH-BOUND

PROPOSED KELLY BLVD TYPICAL SECTION
STA. 42+00.00 TO STA. 42+47.16

(NTS)

A. 9" R.C CONCRETE
B. 4" ASPHALT CONC. BASE
C. 8" CEMENT STABILIZED SOIL.

Texas Department of Transportation

KELLY BOULEVARD AT ROSEMEADE PRELIMINARY DESIGN SCHEMATIC

Kelly Boulevard
Denton County
CSJ: 0918-46-124

From Rosemeade Parkway to Michaelangelo Drive

NET LENGTH OF PROJECT = 3667.46 FT = 0.695 MILE
CONSTRUCTION OF THE WIDENING OF A NON-FREEWAY FACILITY
DESIGN SPEED = 35 M.P.H.

William Hale, P.E.
District Engineer

DECEMBER 2003

Scale
Horizontal 1:40
Vertical 1:2

LEGEND

EXISTING EAST R.O.W. ELEV. — · — · —
EXISTING WEST R.O.W. ELEV. — · — · —
EXISTING WEST TOP OF CURB — · — · —
PROPOSED EAST TOP OF CURB — · — · —
PROPOSED WEST TOP OF CURB — · — · —

NOT A
BIDDING
DOCUMENT

ENGINEER RAVI MACHA
P.E. NUMBER 85507
DATE 12/23/03

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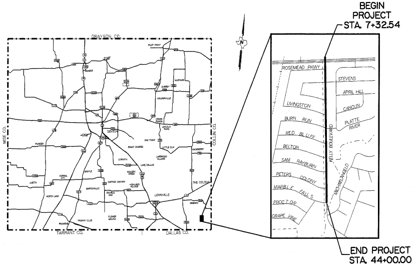
GRAYSON CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
DENTON
LEWISVILLE
N
ROSEMEAD PKWY
STEVENS
APRIL HILL
CANCUN
PLATTE RIVER
LIVINGSTON
BURN RUN
RED BLUFF
BELTON
SAM RAYBURN
PETERS COLONY
MARBLE FALLS
PROCTOR
GRAPE VINE
KELLY BOULEVARD
MICHAELANGELO

BEGIN PROJECT STA. 7+32.54

END PROJECT STA. 44+00.00