NORTH TEXAS TOLLWAY AUTHORITY

Texas Department of Transportation

NORTH TEXAS TOLLWAY AUTHORITY

GERRY CARRIGAN, NTTA EXECUTIVE DIRECTOR

TEXAS DEPARTMENT OF TRANSPORTATION

FORT WORTH AND DALLAS DISTRICTS
BRIAN R. BARTH, P.E., FORT WORTH DISTRICT ENGINEER
JAMES K. (KELLY) SELMAN, P.E., DALLAS DISTRICT ENGINEER

PUBLIC HEARING DISPLAY
SH 170

FROM: IH 35W
TO: SH 114
CSJ: 3559-02-007 AND 3559-01-004
PROJECT LENGTH: 5.94 MILES

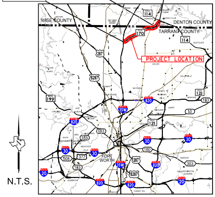
ROADWAY TYPE	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
MAINLANES	70 MPH	URBAN FREEWAY
DIRECT CONNECTORS	50 MPH	URBAN FREEWAY
RAMPS	50 MPH	URBAN FREEWAY
FRONTAGE ROADS	45 MPH	URBAN COLLECTOR
US 377	50 MPH	URBAN ARTERIAL
OLD DENTON RD	45 MPH	URBAN ARTERIAL
N BEACH ST	45 MPH	URBAN ARTERIAL
WESTPORT PKWY	45 MPH	URBAN ARTERIAL
INDEPENDENCE PKWY	45 MPH	URBAN ARTERIAL
PARK VISTA BLVD	45 MPH	URBAN ARTERIAL
PARISH LN	45 MPH	URBAN ARTERIAL
U-TURNS	15 MPH	URBAN COLLECTOR

TARRANT AND DENTON COUNTIES
FEBRUARY 24, 2015
ROLL 1 OF 4

SH170
STA 1297+15.98
END CSJ:
3559-02-007
BEGIN CSJ
3559-01-004

BEGIN PROJECT
SH170
STA 1021+91.77
BEGIN CSJ:
3559-02-007

END PROJECT
SH170
STA 1335+70.93
END CSJ: 3559-01-004


WISE COUNTY
DENTON COUNTY
TARRANT COUNTY
114
170
114
PROJECT LOCATION
287
B287
199
820
35W
121
183
10
30
183
180
508
377
FORT WORTH
287
303
20
B287
N.T.S.

PUBLIC HEARING SHEET INDEX

ROLL 1: SH 170 MAINLANES
BEGIN PROJECT TO STA 1085+00
RAMPS AND MAJOR CROSS STREETS

ROLL 2: SH 170 MAINLANES
STA 1085+00 TO STA 1170+00
RAMPS AND MAJOR CROSS STREETS

ROLL 3: SH 170 MAINLANES
STA 1170+00 STA 1255+00
RAMPS AND MAJOR CROSS STREETS

ROLL 4: SH 170 MAINLANES
STA 1255+00 TO END PROJECT
DIRECT CONNECTORS
RAMPS AND MAJOR CROSS STREETS

JANUARY 2013 AERIAL PHOTOGRAPHY

0 100 200 300
HORIZONTAL

0 10 20 30
VERTICAL

GRAPHIC SCALES IN FEET

NOT INTENDED FOR CONSTRUCTION, BIDDING, AND OR PERMIT PURPOSES

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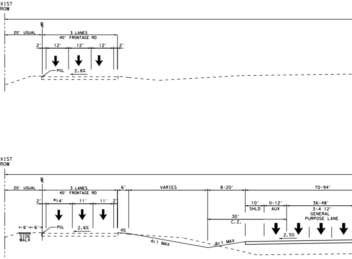
Legend:

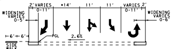
🟨	PROPOSED SH 170 MAINLANES
🟨	PROPOSED SHOULDER (MAINLANES)
🟪	PROPOSED RAMPS
🟦	PROPOSED SHOULDER (RAMPS)
🟩	PROPOSED FRONTAGE ROADS/CITY STREETS
🟦	PROPOSED DIRECT CONNECTORS
🟫	PROPOSED BRIDGE
⬜	EXISTING BRIDGE
⬜	EXISTING PAVEMENT
🟧	IMPROVEMENTS BY OTHERS
🟪	IMPROVEMENTS BY OTHERS (UNDER CONSTRUCTION)
⊏ ⊐ ⊏ ⊐	EXISTING BRIDGE BENT LOCATION
▨	EXISTING PAVEMENT REMOVAL
—·—·—	EXISTING R.O.W.
— —	EXISTING DRAINAGE EASEMENT
‖——‖	EXISTING CONTROL OF ACCESS (ACCESS DENIAL LINE)
‖——‖	PROPOSED CONTROL OF ACCESS (ACCESS DENIAL LINE)
➡	PROPOSED LANE GEOMETRY
🟥	SIDEWALK
🟩	ISLAND
—·—·—	EXISTING PROPERTY LINE
——	CITY LIMITS
— — — —	EXISTING CREEK CENTER LINE
——	PROPOSED PAVEMENT EDGE
▬	PROPOSED RETAINING WALL
🟥	PROPOSED TOLL GANTRY
(XX)	PROPERTY OWNER PARCEL NUMBER
◫	ADA RAMP
⊕	SIGNALIZED INTERSECTION

TRAFFIC DATA - SH 170 FROM IH 35W TO SH 114
APPROVED TxDOT TP&P (2011)

2020 ADT:	58,400
2040 ADT:	82,800
DIRECTIONAL DISTRIBUTION:	53-47
PERCENT TRUCKS OF DHV:	1.6
K FACTOR:	11.0

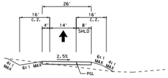

EXIST ROW
℄
20' USUAL
3 LANES
40' FRONTAGE RD
2'
12'
12'
12'
2'
PGL
2.6%
EXIST ROW
℄
20' USUAL
3 LANES
40' FRONTAGE RD
6'
VARIES
8-20'
70-94'
2'
*14'
11'
11'
2'
10'
SHLD
0-12'
AUX
36-48'
3-4 12'
GENERAL PURPOSE LANE
30'
C.Z.
6' 6'
SIDE WALK
PGL
2.6%
4%
4:1 MAX
6:1 MAX
2.5%
STA

PROPOSED TYPICAL SECTION
FRONTAGE ROAD WITH RIGHT-TURN LANE

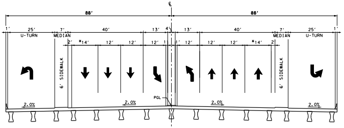

2'
VARIES 0-11'
*14'
11'
11'
VARIES 0-11'
2'
WIDENING VARIES 0-5'
WIDENING VARIES 0-6'
6' 6'
SIDE WALK
PGL
2.6%

SH 170
STA 1078+20 TO STA 1083+60

* 14' OUTSIDE LANE FOR BICYCLE ACCOMMODATION


26'
16'
C.Z.
16'
C.Z.
4'
14'
8'
SHLD
2.5%
4:1 MAX
6:1 MAX
6:1 MAX
4:1 MAX
PGL

PROPOSED RAMPS
N.T.S.

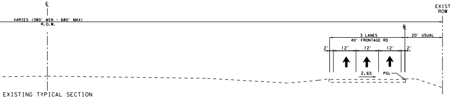

℄
88'
88'
1'
25'
U-TURN
7'
MEDIAN
40'
13'
4'
13'
40'
7'
MEDIAN
25'
U-TURN
1'
2'
*14'
12'
12'
12'
1'
1'
12'
12'
12'
*14'
2'
6' SIDEWALK
6' SIDEWALK
PGL
2.0%
2.0%
2.0%
2.0%

PROPOSED TYPICAL SECTION

OLD DENTON ROAD
STA 98+65.00 TO STA 101+35.00

NORTH BEACH STREET
STA 99+07.00 TO STA 100+93.00
N.T.S.

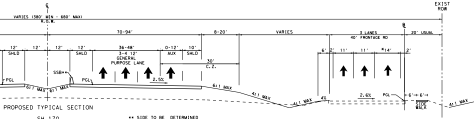
* 14' OUTSIDE LANE FOR BICYCLE ACCOMMODATION



℄
VARIES (380' MIN - 680' MAX)
R.O.W.
EXIST
ROW
℄
3 LANES
40' FRONTAGE RD
20' USUAL
2'
12'
12'
12'
2'
2.6%
PGL

EXISTING TYPICAL SECTION

N.T.S.



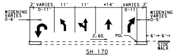
℄
VARIES (380' MIN - 680' MAX)
R.O.W.
EXIST
ROW
70-94'
8-20'
VARIES
3 LANES
40' FRONTAGE RD
20' USUAL
12'
SHLD
12'
12'
12'
SHLD
36-48'
3-4 12'
GENERAL
PURPOSE LANE
0-12'
AUX
10'
SHLD
30'
C.Z.
6'
2'
11'
11'
*14'
2'
SSB**
PGL
PGL
2.5%
6:1 MAX
6:1 MAX
6:1 MAX
4:1 MAX
4:1 MAX
4%
2.6%
PGL
6' 6'
SIDE
WALK
4:1 MAX

PROPOSED TYPICAL SECTION

** SIDE TO BE DETERMINED

SH 170
STA 1026+82.27 TO STA 1085+00.00
N.T.S.

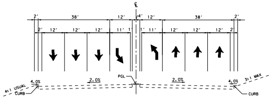
PROPOSED TYPICAL SECTION
FRONTAGE ROAD WITH RIGHT-TURN LANE



2'
VARIES
0-11'
11'
11'
*14'
VARIES
0-11'
2'
WIDENING
VARIES
0-6'
WIDENING
VARIES
0-5'
2.6%
PGL
6' 6'
SIDE
WALK

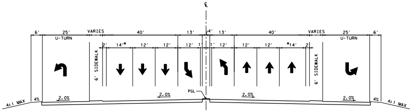
* 14' OUTSIDE LANE FOR
BICYCLE ACCOMMODATION

SH 170
STA 1068+20 TO STA 1077+18



℄
2'
38'
12'
4'
12'
38'
2'
2'
12'
12'
12'
11'
1'
1'
11'
12'
12'
12'
2'
PGL
4:1 USUAL
4.0%
CURB
2.0%
2.0%
4.0%
3:1 MAX
CURB

EXISTING TYPICAL SECTION
OLD DENTON ROAD
AND
NORTH BEACH STREET
N.T.S.



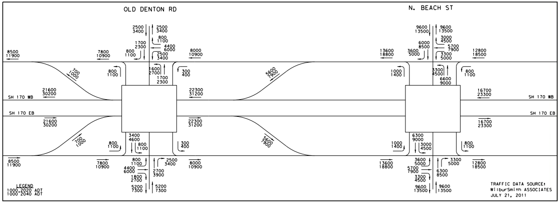
℄
6'
25'
U-TURN
VARIES
40'
13'
4'
13'
40'
VARIES
25'
U-TURN
6'
2'
14'*
12'
12'
12'
1'
1'
12'
12'
12'
*14'
2'
6' SIDEWALK
6' SIDEWALK
4:1 MAX
4%
2.0%
2.0%
PGL
2.0%
2.0%
4%
4:1 MAX

PROPOSED TYPICAL SECTION

OLD DENTON ROAD
STA 97+53.61 TO STA 98+65.00
STA 101+35.00 TO STA 102+62.66

NORTH BEACH STREET
STA 98+13.00 TO STA 99+07.00
STA 100+93.00 TO STA 101+82.00
N.T.S.

* 14' OUTSIDE LANE FOR
BICYCLE ACCOMMODATION



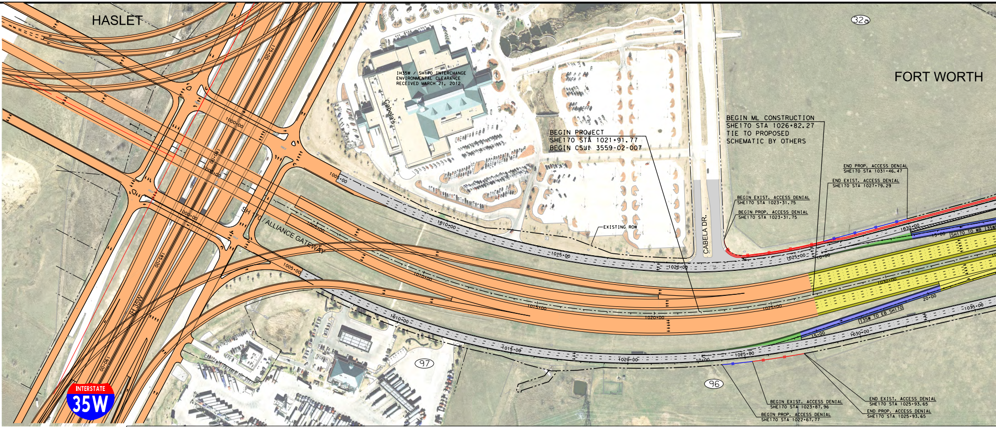
OLD DENTON RD
N. BEACH ST
SH 170 WB
SH 170 EB
SH 170 WB
SH 170 EB
2500 3400
2500 3400
800 1100
1700 2300
4400 6000
800 1100
2500 3400
8500 11900
7800 10900
8000 10900
700 1000
800 1100
1600 2700
1700 2300
300 400
5600 7900
21600 30200
22300 31200
21600 30200
22300 31200
700 1000
3400 4600
800 1100
800 1100
300 400
5600 7900
8500 11900
7800 10900
800 1100
4400 6000
1800 2700
2500 3400
2700 3900
8000 10900
5200 7300
5200 7300
9600 13500
9600 13500
3000 4500
6000 8500
5700 7900
13600 18800
3600 5000
3300 5000
12800 18500
1000 1400
3300 4500
800 1100
6600 9000
16700 23300
16700 23300
6300 9000
1000 1400
3000 4500
800 1100
13600 18800
3600 5000
3300 5000
12800 18500
5700 7900
6300 8500
3300 4500
9600 13500
9600 13500
LEGEND
1000 2020 ADT
1000 2040 ADT

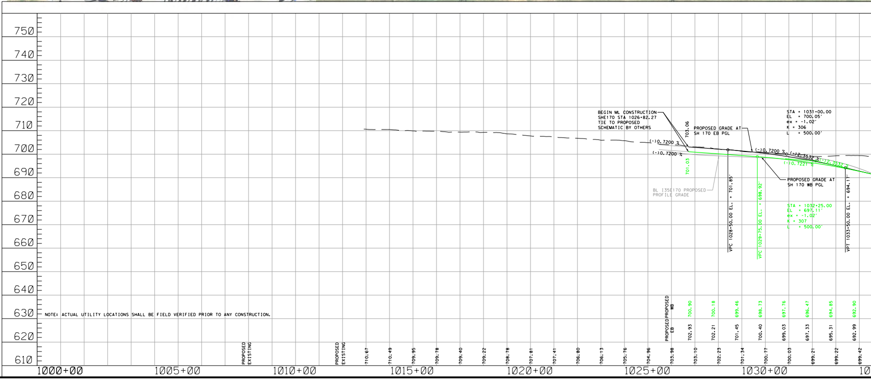
TRAFFIC DATA SOURCE:
WilburSmith ASSOCIATES
JULY 21, 2011

PROPERTY OWNERSHIP

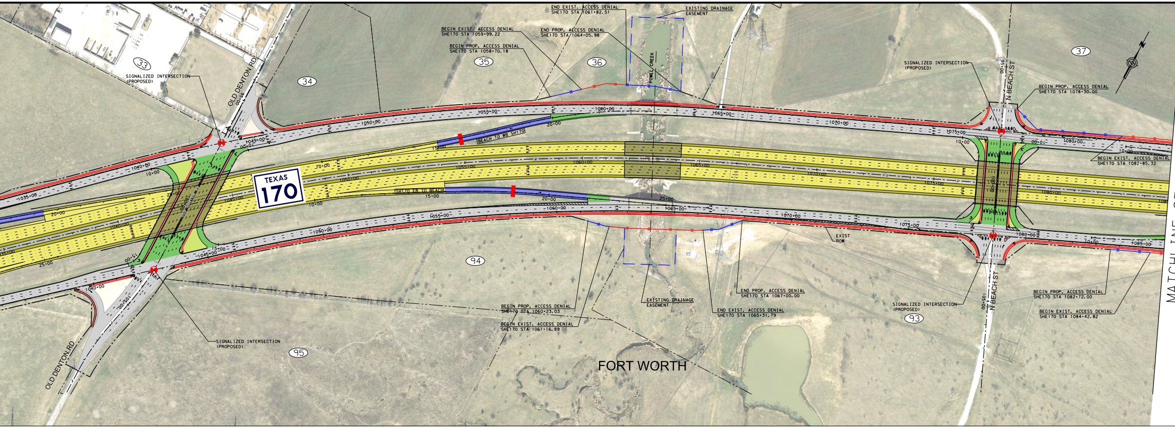
TARRANT COUNTY

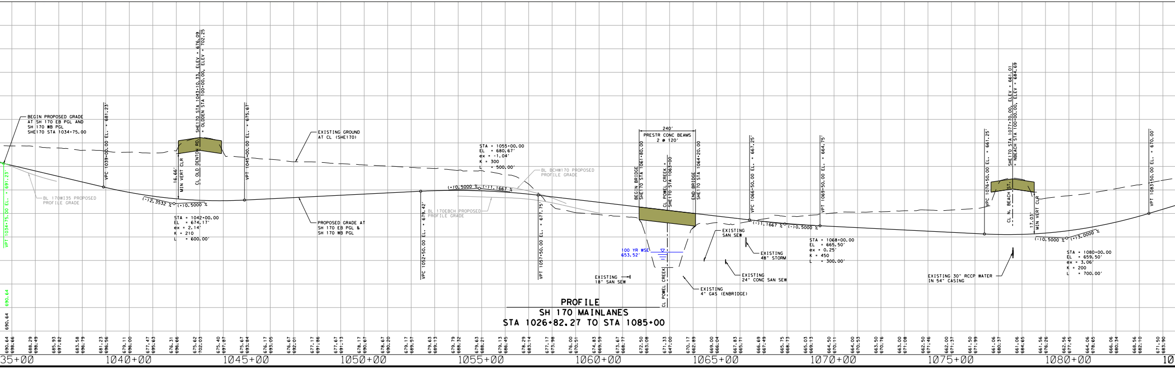
PARCEL	OWNER
32a	Aii Investment Lp
33	Redi-Mix Inc
34	Aii Investment Lp
35	Aii Investment Lp
36	Aii Investment Lp
37	Aii Investment Lp
93	Aii Investment Lp
94	Aii Investment Lp
95	CTMGT Valley Ridge LLC
96	Aii Investment Lp
97	Ptcaa Texas Lp


HASLET
FORT WORTH
IH35W / SH170 INTERCHANGE
ENVIRONMENTAL CLEARANCE
RECEIVED MARCH 21, 2012
Cabela's
BEGIN PROJECT
SHE170 STA 1021+91.77
BEGIN CSJ: 3559-02-007
BEGIN ML CONSTRUCTION
SHE170 STA 1026+82.27
TIE TO PROPOSED
SCHEMATIC BY OTHERS
END PROP. ACCESS DENIAL
SHE170 STA 1031+46.47
END EXIST. ACCESS DENIAL
SHE170 STA 1027+79.29
BEGIN EXIST. ACCESS DENIAL
SHE170 STA 1023+31.75
BEGIN PROP. ACCESS DENIAL
SHE170 STA 1023+31.75
EXISTING ROW
CABELA DR.
SH 170 / ALLIANCE GATEWAY
SH170 TO WB I35W
I35W TO EB SH170
IH 35W
INTERSTATE
35W
32a
97
96
BEGIN EXIST. ACCESS DENIAL
SHE170 STA 1023+87.96
BEGIN PROP. ACCESS DENIAL
SHE170 STA 1022+67.77
END EXIST. ACCESS DENIAL
SHE170 STA 1025+93.65
END PROP. ACCESS DENIAL
SHE170 STA 1025+93.65
1000+00
1005+00
1010+00
1015+00
1020+00
1025+00
1030+00
1035+00
10+00
15+00
20+00

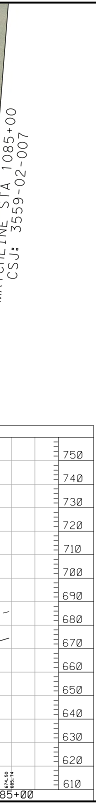


NOTE: ACTUAL UTILITY LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION.


SIGNALIZED INTERSECTION (PROPOSED)
OLD DENTON RD
BEGIN EXIST. ACCESS DENIAL SHE170 STA 1059+99.22
BEGIN PROP. ACCESS DENIAL SHE170 STA 1058+70.18
END EXIST. ACCESS DENIAL SHE170 STA 1061+82.51
END PROP. ACCESS DENIAL SHE170 STA 1064+05.98
EXISTING DRAINAGE EASEMENT
POWEL CREEK
N BEACH ST
BEGIN PROP. ACCESS DENIAL SHE170 STA 1078+30.00
BEGIN EXIST. ACCESS DENIAL SHE170 STA 1082+85.32
TEXAS 170
BEACH TO WB SH170
SH170 EB TO BEACH
33
34
35
36
37
93
94
95
EXIST ROW
BEGIN PROP. ACCESS DENIAL SHE170 STA 1060+23.03
BEGIN EXIST. ACCESS DENIAL SHE170 STA 1061+16.89
END PROP. ACCESS DENIAL SHE170 STA 1067+00.00
END EXIST. ACCESS DENIAL SHE170 STA 1065+31.79
BEGIN PROP. ACCESS DENIAL SHE170 STA 1082+72.00
BEGIN EXIST. ACCESS DENIAL SHE170 STA 1084+42.82
FORT WORTH
MATCHLINE


BEGIN PROPOSED GRADE AT SH 170 EB PGL AND SH 170 WB PGL SHE170 STA 1034+75.00
VPT 1034+75.00 EL. = 691.23'
BL 170W135 PROPOSED PROFILE GRADE
VPC 1039+00.00 EL. = 681.23'
(-)2.3532 %
(+)0.5000 %
STA = 1042+00.00
EL = 674.17'
ex = 2.14'
K = 210
L = 600.00'
16.66' MIN VERT CLR
CL OLD DENTON RD.
SHE170 STA 1043+10.33, ELEV = 676.09
OLDDEN STA 100+00.00, ELEV = 702.25
VPT 1045+00.00 EL. = 675.67'
EXISTING GROUND AT CL (SHE170)
PROPOSED GRADE AT SH 170 EB PGL & SH 170 WB PGL
STA = 1055+00.00
EL = 680.67'
ex = -1.04'
K = 300
L = 500.00'
BL BCHW170 PROPOSED PROFILE GRADE
BL 170EBCH PROPOSED PROFILE GRADE
VPC 1052+50.00 EL. = 679.42'
(+)0.5000 %
(-)1.1667 %
VPT 1057+50.00 EL. = 677.75'
240'
PRESTR CONC BEAMS 2 @ 120'
BEGIN BRIDGE SHE170 STA 1061+80.00
CL POWEL CREEK = SHE170 STA 1063+00
END BRIDGE SHE170 STA 1064+20.00
100 YR WSE 653.52'
EXISTING 18" SAN SEW
CL POWEL CREEK
EXISTING 4" GAS (ENBRIDGE)
EXISTING SAN SEW
EXISTING 48" STORM
EXISTING 24" CONC SAN SEW
VPC 1066+50.00 EL. = 667.25'
(-)1.1667 %
(-)0.5000 %
VPT 1069+50.00 EL. = 664.75'
STA = 1068+00.00
EL = 665.50'
ex = 0.25'
K = 450
L = 300.00'
EXISTING 30" RCCP WATER IN 54" CASING
VPC 1076+50.00 EL. = 661.25'
CL N. BEACH ST.
SHE170 STA 1077+70.00, ELEV = 661.01
NBEACH STA 100+00.00, ELEV = 684.69
17.03' MIN VERT CLR
(-)0.5000 %
(+)3.0000 %
STA = 1080+00.00
EL = 659.50'
ex = 3.06'
K = 200
L = 700.00'
VPT 1083+50.00 EL. = 670.00'
690.64
690.64
1035+00
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00
1075+00
1080+00

PROFILE
SH 170 MAINLANES
STA 1026+82.27 TO STA 1085+00


LINE STA 1085+00
CSJ: 3559-02-007
750
740
730
720
710
700
690
680
670
660
650
640
630
620
610
674.50
685.74
85+00

NTTA
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JAMES K. (KELLY) SELMAN, P.E., DALLAS DISTRICT ENGINEER

PUBLIC HEARING DISPLAY
SH 170

FROM: IH 35W
TO: SH 114
CSJ: 3559-02-007 AND 3559-01-004
PROJECT LENGTH: 5.94 MILES

ROADWAY TYPE	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
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RAMPS	50 MPH	URBAN FREEWAY
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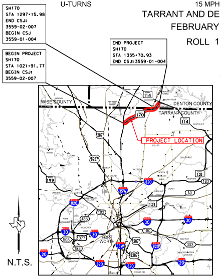
N BEACH ST	45 MPH	URBAN ARTERIAL
WESTPORT PKWY	45 MPH	URBAN ARTERIAL
INDEPENDENCE PKWY	45 MPH	URBAN ARTERIAL
PARK VISTA BLVD	45 MPH	URBAN ARTERIAL
PARISH LN	45 MPH	URBAN ARTERIAL
U-TURNS	15 MPH	URBAN COLLECTOR

TARRANT AND DENTON COUNTIES
FEBRUARY 24, 2015
ROLL 1 OF 4


SH170
STA 1297+15.98
END CSJ:
3559-02-007
BEGIN CSJ
3559-01-004
BEGIN PROJECT
SH170
STA 1021+91.77
BEGIN CSJ:
3559-02-007
END PROJECT
SH170
STA 1335+70.93
END CSJ: 3559-01-004
WISE COUNTY
DENTON COUNTY
TARRANT COUNTY
PROJECT LOCATION
114
170
287
B287
199
35W
820
30
121
183
377
FORT WORTH
20
N.T.S.

PUBLIC HEARING SHEET INDEX

ROLL 1: SH 170 MAINLANES
BEGIN PROJECT TO STA 1085+00
RAMPS AND MAJOR CROSS STREETS

ROLL 2: SH 170 MAINLANES
STA 1085+00 TO STA 1170+00
RAMPS AND MAJOR CROSS STREETS

ROLL 3: SH 170 MAINLANES
STA 1170+00 STA 1255+00
RAMPS AND MAJOR CROSS STREETS

ROLL 4: SH 170 MAINLANES
STA 1255+00 TO END PROJECT
DIRECT CONNECTORS
RAMPS AND MAJOR CROSS STREETS

NOT INTENDED FOR CONSTRUCTION,
BIDDING, AND OR PERMIT PURPOSES

JANUARY 2013 AERIAL PHOTOGRAPHY

0 100 200 300
HORIZONTAL
0 10 20 30
VERTICAL
GRAPHIC SCALES IN FEET

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