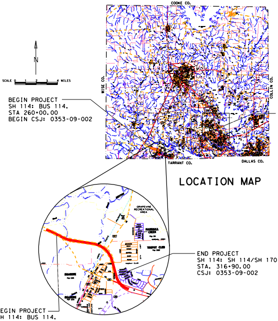
Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED K. BUR, P.E., DISTRICT ENGINEER
DENTON COUNTY
SH 114 OVER US 377
PROJECT LIMIT: FROM 2,534' WEST OF US 377
TO 3,165' EAST OF US 377
CONTROL: 0353-09-002
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL
DESIGN SPEED: 70 mph MAINLANES
50 mph RAMPS
45 mph FRONTAGE ROADS
30 mph CROSS STREETS
PROJECT LENGTH = 1.078 MILES (5,690.00 FT.)


COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
N
SCALE 0 1 2 3 4 MILES

BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002

END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002

LOCATION MAP

END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002

BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002

OCTOBER 2018
SCALE: 1"=100' H, 1"=10' V
ROLL 1 OF 3

PRELIMINARY FOR INTERIM REVIEW ONLY

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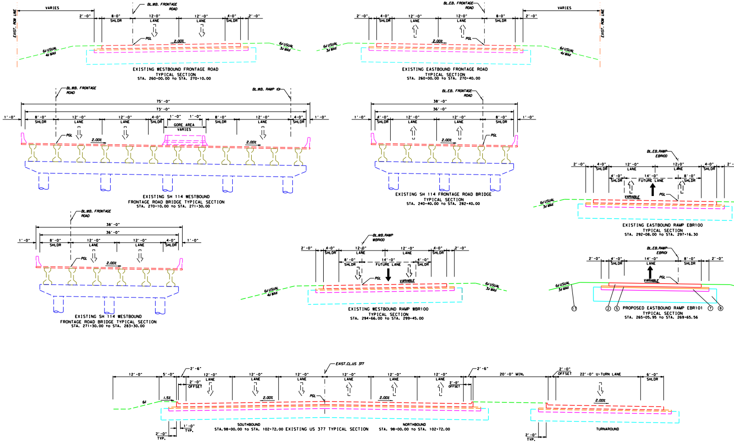
NELSON L. UNDERWOOD	91203	10/19/2018
NAME	P.E. NO.	DATE


BL.WB. FRONTAGE ROAD
BL.EB. FRONTAGE ROAD
BL.WB. RAMP 101
BL.WB.RAMP WBR100
BL.EB.RAMP EBR100
BL.EB.RAMP EBR101
EXIST. ROW LINE
VARIES
LANE
SHLDR
FUTURE LANE
GORE AREA
PGL
2.00%
VARIABLE
6:1 USUAL
3:1 MAX
EXIST.CL.US 377
OFFSET
U-TURN LANE
20'-0" MIN.

EXISTING WESTBOUND FRONTAGE ROAD
TYPICAL SECTION
STA. 260+00.00 to STA. 270+10.00

EXISTING EASTBOUND FRONTAGE ROAD
TYPICAL SECTION
STA. 260+00.00 to STA. 270+40.00

EXISTING SH 114 WESTBOUND
FRONTAGE ROAD BRIDGE TYPICAL SECTION
STA. 270+10.00 to STA. 271+30.00

EXISTING SH 114 FRONTAGE ROAD BRIDGE
TYPICAL SECTION
STA. 240+40.00 to STA. 282+40.00

EXISTING EASTBOUND RAMP EBR100
TYPICAL SECTION
STA. 292+08.00 to STA. 297+16.30

EXISTING SH 114 WESTBOUND
FRONTAGE ROAD BRIDGE TYPICAL SECTION
STA. 271+30.00 to STA. 283+30.00

EXISTING WESTBOUND RAMP WBR100
TYPICAL SECTION
STA. 294+66.00 to STA. 299+45.00

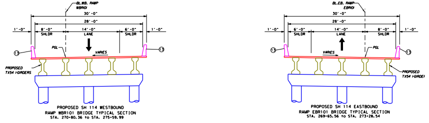
PROPOSED EASTBOUND RAMP EBR101
TYPICAL SECTION
STA. 265+05.95 to STA. 269+65.56

SOUTHBOUND
STA.98+00.00 to STA. 102+72.00 EXISTING US 377 TYPICAL SECTION
NORTHBOUND
STA. 98+00.00 to STA. 102+72.00

TURNAROUND

TYPICAL SECTION LEGEND

①	11" CONCRETE PAVEMENT (CPCR)
②	10" CONCRETE PAVEMENT (CPCR)
③	12" ASPHALT CONCRETE PAVEMENT (TY-A)
④	10" ASPHALT CONCRETE PAVEMENT (TY-A)
⑤	4" ASPHALT CONCRETE PAVEMENT (TY-A)
⑥	2" ASPHALT CONCRETE PAVEMENT (TY-C)
⑦	8" LIME TREATED SUBGRADE (STAB w/ 4% LIME BY WT)
⑧	36" EMBANKMENT TY-C (MOD)
⑨	PRIME COAT
⑩	TACK COAT
⑪	SAW CUT
⑫	8" PIPE UNDERDRAIN
⑬	SSTR SINGLE SLOPE CONCRETE BRIDGE RAIL
⑭	SSCB(TY 3) SINGLE SLOPE CONCRETE BARRIER
⑮	EXIST BASE AND PAVEMENT TO REMAIN IN PLACE
⑯	SOIL BACKFILL
⑰	4" COMPOST MANUFACTURED TOPSOIL


BL.WB. RAMP WBR101
BL.EB. RAMP EBR101
30'-0"
28'-0"
SHLDR
LANE
PGL
VARIES
PROPOSED TX54 I-GIRDERS

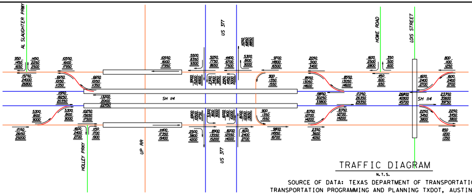
PROPOSED SH 114 WESTBOUND
RAMP WBR101 BRIDGE TYPICAL SECTION
STA. 270+80.36 to STA. 275+59.99

PROPOSED SH 114 EASTBOUND
RAMP EBR101 BRIDGE TYPICAL SECTION
STA. 269+65.56 to STA. 273+28.54

TYPICAL SECTIONS

N.T.S.

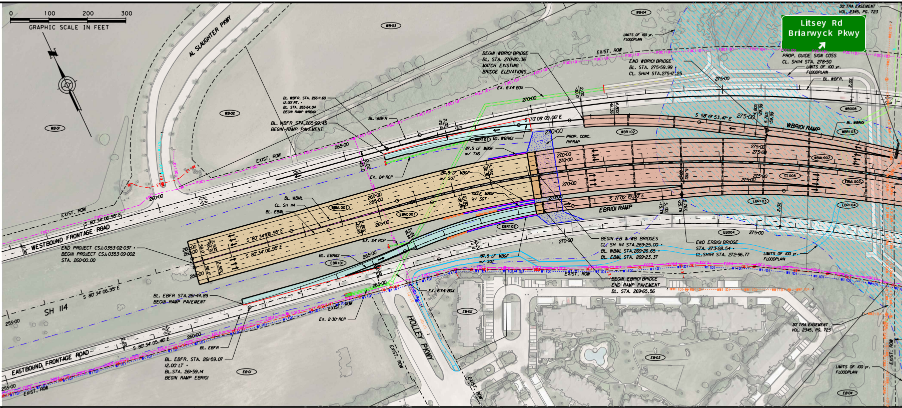
NOTE:
1. FOR ADDITIONAL TYPICAL SECT
GEOMETRY AND PROPERTY OWNER
SEE ROLL 2 OF 3.
2.) FOR EASTBOUND AND WESTBOUN
AND RAMPS PROFILES SEE ROLL 3


AL SLAUGHTER PRKY
US 377
HOWE ROAD
LOIS STREET
SH 114
HOLLEY PRKY
UP RR

TRAFFIC DIAGRAM

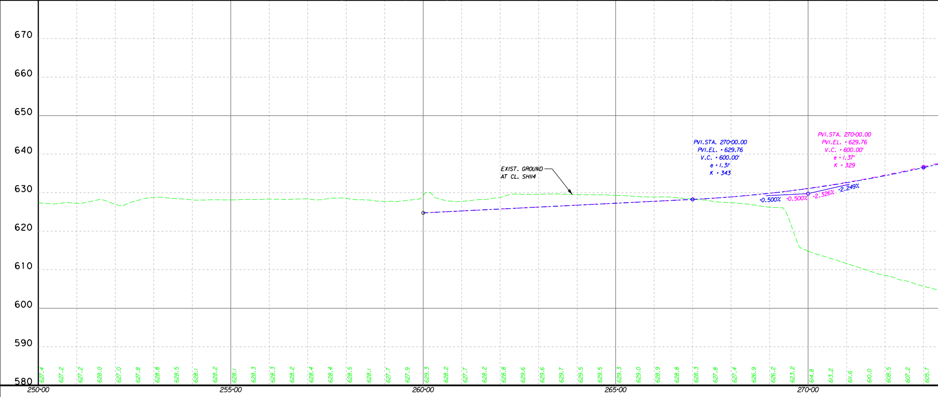
N.T.S.

SOURCE OF DATA: TEXAS DEPARTMENT OF TRANSPORTATION;
TRANSPORTATION PROGRAMMING AND PLANNING TXDOT, AUSTIN, TEXAS
UPDATED: OCTOBER 9, 2017


0
100
200
300
GRAPHIC SCALE IN FEET
AL SLAUGHTER PKWY
WB-01
WB-02
WB-03
WB-04
BL. WBFR. STA. 266+11.60
12.00' RT. =
BL. STA. 265+64.04
BEGIN RAMP WBR101
BL. WBFR STA.265+99.45
BEGIN RAMP PAVEMENT
EXIST. ROW
FOC1
FOC1 (D)
E1
265+00
260+00
S 80°34'06.95" E
WESTBOUND FRONTAGE ROAD
END PROJECT CSJ:0353-02-037 =
BEGIN PROJECT CSJ:0353-09-002
STA. 260+00.00
BL. WBML
CL. SH 114
BL. EBML
WBML001
EBML001
BL. WBFR
2.0%
-70.0
45.0
EX. 24" RCP
WBR101
BL. WBR101
S 70°08'09.06" E
270+00
87.5 LF MBGF
w/ TAS
187.5 LF MBGF
w/ SGT
100LF MBGF
w/ SGT
5.76%
5.176%
2.50%
58.0'
S 80°34'06.95" E
BEGIN WBR101 BRIDGE
BL. STA. 270+80.36
MATCH EXISTING
BRIDGE ELEVATIONS
EX. 6'X4' BOX
PROP. CONC.
RIPRAP
WBR102
4.80%
EBR101
EBR102
BL. EBR101
S 71°02'19.30" E
EBR101 RAMP
LIMITS OF 100 yr.
FLOODPLAIN
END WBR101 BRIDGE
BL. STA. 275+59.99
CL. SH114 STA.275+17.25
275+00
S 58°19'53.47" E
WBR101 RAMP
WBR103
BL. WBR101
WB008
WBML002
CL008
EBML002
EBR103
EBR104
EB004
Litsey Rd
Briarwyck Pkwy
PROP. GUIDE SIGN COSS
CL. SH114 STA. 278+50
BL. WBFR.
30' TRA EASEMENT
VOL. 2345, PG. 723
SH 114
255+00
BL. EBFR STA.261+44.89
BEGIN RAMP PAVEMENT
S 80°34'05.46" E
EASTBOUND FRONTAGE ROAD
BL. EBFR
BL. EBFR. STA. 261+59.07
12.00' LT =
BL.STA. 261+59.14
BEGIN RAMP EBR101
EB-01
EB-02
EB-03
EB-04
EX. 2-30" RCP
FOC2
FOC4
OE1
W1 (D)
WW1 (D)
WW2 (D)
HOLLEY PKWY
BEGIN EB & WB BRIDGES
CL. SH 114 STA.269+25.00 =
BL. WBML STA.269+26.65 =
BL. EBML STA. 269+23.37
END ERB101 BRIDGE
STA. 273+28.54 =
CL.SH114 STA. 272+96.77
BEGIN EBR101 BRIDGE
END RAMP PAVEMENT
BL. STA. 269+65.56

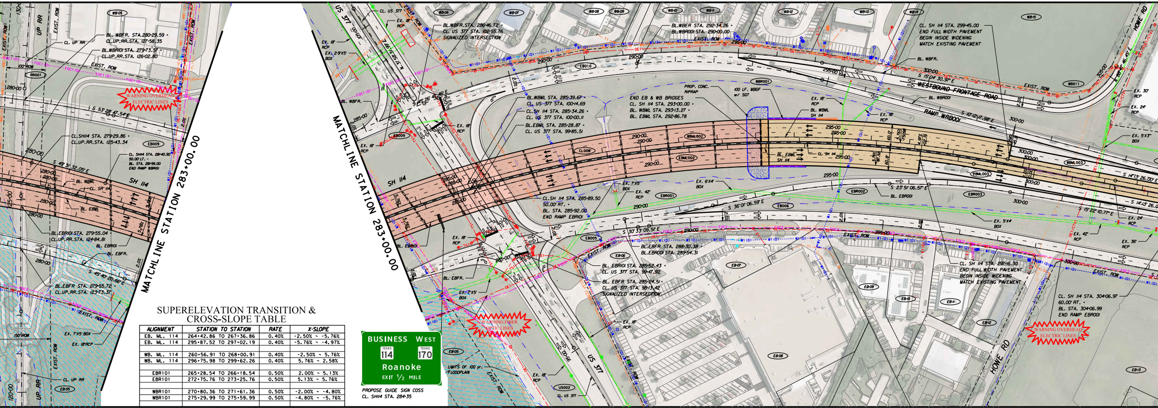
TIONS, HORIZONTAL
INFORMATION

ND MAINLANE
OF 3.



LEGEND

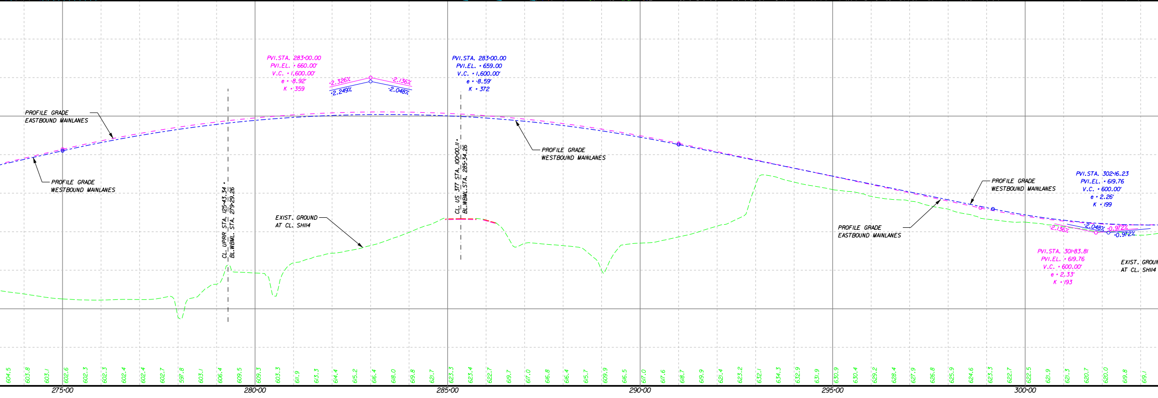
1,000 - 2020 ADT
1,000 - 2040 ADT
1,000 - 2050 ADT

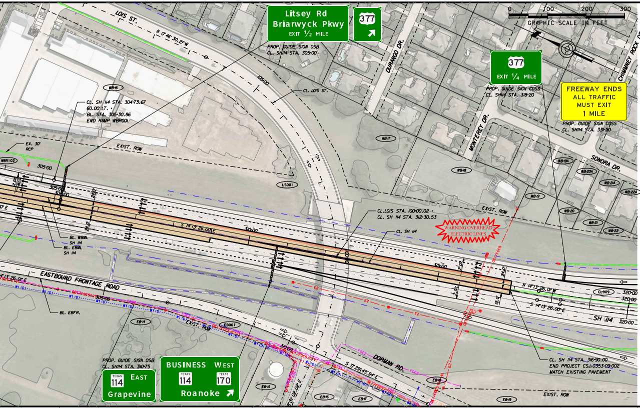

EXIST. ROW
UP RR
EXIST. ROW
WB-05
CL. UP RR
BL. WBFR. STA. 280+29.59 •
CL.UP.RR.STA. 127+58.35
BL.WBR101 STA. 279+73.57 •
CL.UP.RR.STA. 126+02.80
EXIST. ROW
100' ROW
RR001
280+00
WARNING OVERHEAD ELECTRIC LINES
S 53°28' 47.54" E
CL.SH114 STA. 279+29.86 •
CL.UP.RR.STA. 125+43.34
EB009
CL. SH114 STA. 281+40.90
50.00' LT. •
BL. STA. 281+99.00
END RAMP WBR101
S 49°31' 32.05" E
SH 114
BL. WBML
CL. SH 114
BL. EBML
5.76%
BL.EBR101 STA. 279+55.04 •
CL.UP.RR.STA. 124+84.81
BL. EBR101
BL. EBFR.
S 45°40' 20.66" E
BL.EBFR STA. 279+55.72 •
CL.UP.RR.STA. 123+73.37
EXIST. ROW
EX. 7'X5' BOX
EX. 18"RCP
150' ROW
CL. UP RR
EB-05
MATCHLINE STATION 283+00.00
US 377
CL. US 377
EX. 18" RCP
EX. 2-9'X5' BOX
N 31°58' 51.96" E
BL.WBFR.STA. 286+46.72 •
CL. US 377 STA. 102+55.76
SIGNALIZED INTERSECTION
WB-06
WB-07
WB-08
WB-09
WB-10
WB-11
WB-12
WB-13
WB-14
WB-15
BL. WBFR.
S 45°26' 41.46" E
285+00
EB010
290+00
BL.WBML STA. 285+39.67 •
CL. US 377 STA. 100+14.69
CL.SH 114 STA. 285+34.26 •
CL. US 377 STA. 100+00.11
BL.EBML STA. 285+28.87 •
CL. US 377 STA. 99+85.51
CL008
CL.SH 114 STA. 285+89.50
50.00' RT. •
BL. STA. 285+92.00
END RAMP EBR101
EX. 7'X5' BOX
EX. 42" RCP
EBR001
EB005
S 30°33' 09.51" E
BL.EBFR STA. 288+30.38 •
BL.EBR001 STA. 289+54.31
BL. EBR101 STA. 285+52.43 •
CL. US 377 STA. 99+47.92
BL. EBFR STA. 285+24.51 •
CL. US 377 STA. 98+13.42
SIGNALIZED INTERSECTION
EB-06
EB-07
BL. EBFR.
EX. 7'X5' BOX
WARNING FIBER OPTIC LINES
LIMITS OF 100 yr. FLOODPLAIN
EXIST. ROW
EX. 18" RCP
US002
CL. US 377
EB-08
BL.WBFR STA. 292+34.26 •
BL.WBR001 STA. 290+00.00
EXIST. ROW
295+00
WBR001
END EB & WB BRIDGES
CL. SH 114 STA. 293+00.00 •
BL. WBML STA. 293+13.27 •
BL. EBML STA. 292+86.78
PROP. CONC. RIPRAP
100 LF. MBGF w/ SGT
EX. 18" RCP
BL. WBML SH 114
BL. EBML SH 114
CL. SH 114
WBML002
EBML002
60.0'
EX. 6'X4' BOX
EBR002
S 23°51' 06.57" E
BL. EBR001
EB006
S 36°01' 06.59" E
EBR003
EX. 5'X4' BOX
CL. SH 114 STA. 299+45.00
END FULL WIDTH PAVEMENT
BEGIN INSIDE WIDENING
MATCH EXISTING PAVEMENT
BL. WBFR.
300+00
S 15°04' 30.97" E
WESTBOUND FRONTAGE ROAD
BL. WBR001
RAMP WBR001
S 10°12' 17.98" E
EXIST. ROW
WB011
305+00
HOWE RD
EX. 30" RCP
EX. 24" RCP
EX. 5'X3" BOX
WBML003
EBML003
S 14°13' 26.00" E
S 15°22' 10.77" E
EX. 24" RCP
EX. 42" RCP
EX. 36" RCP
CL. SH 114 STA. 297+16.30
END FULL WIDTH PAVEMENT
BEGIN INSIDE WIDENING
MATCH EXISTING PAVEMENT
EB-09
EB-10
EB-11
EB-12
EB-13
CL. SH 114 STA. 304+06.97
60.00' RT. •
BL. STA. 304+06.99
END RAMP EBR001
WARNING OVERHEAD ELECTRIC LINES
BUSINESS WEST
TEXAS 114
TEXAS 170
Roanoke
EXIT 1/2 MILE

PROPOSE GUIDE SIGN COSS
CL. SH114 STA. 284+35

SUPERELEVATION TRANSITION & CROSS-SLOPE TABLE

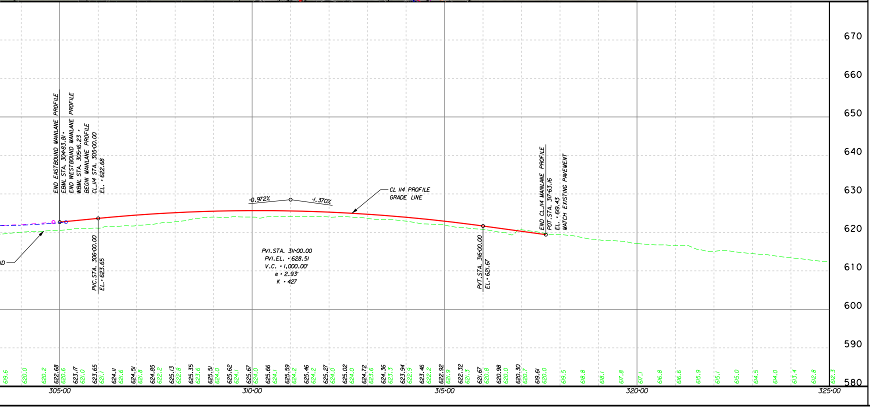
ALIGNMENT	STATION TO STATION	RATE	X-SLOPE
EB. ML. 114	264+42.86 TO 267+36.86	0.40%	-2.50% ~ -5.76%
EB. ML. 114	295+87.52 TO 297+02.19	0.40%	-5.76% ~ -4.97%
WB. ML. 114	260+56.91 TO 268+00.91	0.40%	-2.50% ~ 5.76%
WB. ML. 114	296+75.98 TO 299+62.26	0.40%	5.76% ~ 2.58%
EBR101	265+28.54 TO 266+18.54	0.50%	2.00% ~ 5.13%
EBR101	272+75.76 TO 273+25.76	0.50%	5.13% ~ 5.76%
WBR101	270+80.36 TO 271+61.36	0.50%	-2.00% ~ -4.80%
WBR101	275+29.99 TO 275+59.99	0.50%	-4.80% ~ -5.76%




0 100 200 300
GRAPHIC SCALE IN FEET
Litsey Rd
Briarwyck Pkwy
EXIT 1/2 MILE
377
PROP. GUIDE SIGN OSB
CL. SHI14 STA. 305+00
377
EXIT 1/4 MILE
PROP. GUIDE SIGN COSS
CL. SHI14 STA. 318+20
FREEWAY ENDS
ALL TRAFFIC
MUST EXIT
1 MILE
PROP. GUIDE SIGN COSS
CL. SHI14 STA. 331+20
LOIS ST.
N 0°46' 30.21" W
105+00
CL. LOIS ST.
DURANGO DR.
MONTEREY DR.
CHIMNEY ROCK DR.
SONORA DR.
WB-16
WB-17
WB-18
WB-19
WB-19A
WB-20
WB-20A
WB-21
WB-21A
WB-22
WB-22A
CL. SH 114 STA. 304+73.67
60.00' LT. =
BL. STA. 305+30.86
END RAMP WBR001
EX. 30" RCP
WBR102
305+00
EXIST. ROW
LS001
S 14°13' 26.00" E
310+00
BL. WBML
SH 114
BL. EBML
SH 114
CL.LOIS STA. 100+00.02 =
CL. SH 114 STA. 312+30.53
CL. SH 114
WARNING OVERHEAD
ELECTRIC LINES
315+00
N 14°13' 26.01" W
S 14°13' 26.00" E
CL009
320+00
SH 114
EASTBOUND FRONTAGE ROAD
BL. EBFR.
EB-14
EB001
EB-5
EB-16
EB-17
EB-18
EB-19
DORMAN RD.
S 0°29' 43.94" E
CL. SH 114 STA. 316+90.00
END PROJECT CSJ:0353-09-002
MATCH EXISTING PAVEMENT
PROP. GUIDE SIGN OSB
CL. SHI14 STA. 310+75
114 EAST
Grapevine
BUSINESS WEST
114 170
Roanoke

LEGEND

(FM144601)	CURVE NO. LABEL
→	DIRECTION OF TRAFFIC
🟥	ROADWAY REMOVAL
🟥	BUILDING REMOVAL
— · —	EXISTING ROW
—	EXISTING PROPERTY LINE
🟩	EXISTING STORM SEWER
— 550 —	EXISTING CONTOURS
—	EXISTING PAVEMENT EDGES
- - -	EXISTING UTILITY EASEMENTS
▨	EXISTING 100-YEAR FLOODPLAIN
▬	EXISTING PAVEMENT TO REMAIN
▬	EXISTING BRIDGE TO REMAIN
— · —	EXIST./PROP. BL. AND CL.
🟧	PROPOSED PAVEMENT
🟥	PROPOSED BRIDGE
🟩	PROPOSED FRONTAGE ROAD PAV.
🟦	PROPOSED RAMP PAV.
🟩	PROPOSED CROSS STREET PAV.
🟨	PROPOSED TRANSITION PAV.
—	PROPOSED TRAFFIC BARRIER
—	PROPOSED RETAINING WALL
🟨	PROPOSED SIDEWALK



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DENTON COUNTY
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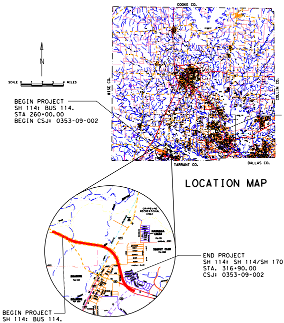
N
SCALE
MILES
COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.

BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002

END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002

LOCATION MAP

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OCTOBER 2018
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ROLL 1 OF 3

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NAME	P.E. NO.	DATE
NELSON L. UNDERWOOD	91203	10/19/2018

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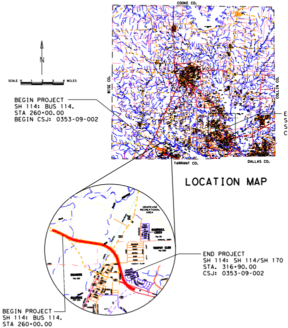
COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
N
SCALE 0 1 2 3 4 MILES
BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002
END PROJECT
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STA. 316+90.00
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LOCATION MAP

OCTOBER 2018
SCALE: 1"=100' H, 1"=10'V
ROLL 2 OF 3

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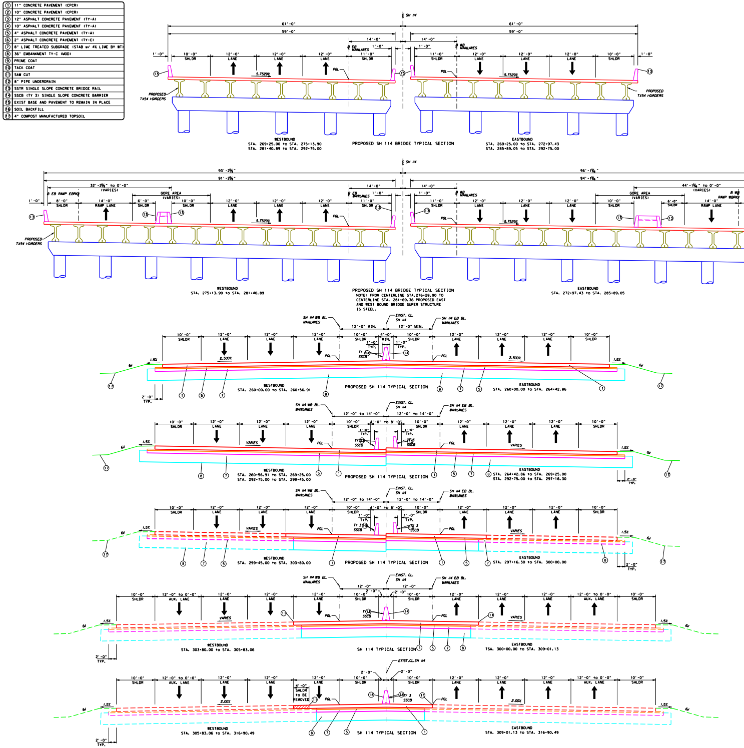
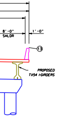
NELSON L. UNDERWOOD	91203	10/19/2018

TYPICAL SECTION LEGEND

①	11" CONCRETE PAVEMENT (CPCR)
②	10" CONCRETE PAVEMENT (CPCR)
③	12" ASPHALT CONCRETE PAVEMENT (TY-A)
④	10" ASPHALT CONCRETE PAVEMENT (TY-A)
⑤	4" ASPHALT CONCRETE PAVEMENT (TY-A)
⑥	2" ASPHALT CONCRETE PAVEMENT (TY-C)
⑦	8" LIME TREATED SUBGRADE (STAB w/ 4% LIME BY WT
⑧	36" EMBANKMENT TY-C (MOD)
⑨	PRIME COAT
⑩	TACK COAT
⑪	SAW CUT
⑫	8" PIPE UNDERDRAIN
⑬	SSTR SINGLE SLOPE CONCRETE BRIDGE RAIL
⑭	SSCB (TY 3) SINGLE SLOPE CONCRETE BARRIER
⑮	EXIST BASE AND PAVEMENT TO REMAIN IN PLACE
⑯	SOIL BACKFILL
⑰	4" COMPOST MANUFACTURED TOPSOIL


℄ SH 114
61'-0"
59'-0"
14'-0"
1'-0"
10'-0" SHLDR
12'-0" LANE
11'-0" SHLDR
℄ EB MAINLANES
℄ WB MAINLANES
5.7529%
PGL
PROPOSED TX54 I-GIRDERS
WESTBOUND
STA. 269+25.00 to STA. 275+13.90
STA. 281+40.89 to STA. 292+75.00
PROPOSED SH 114 BRIDGE TYPICAL SECTION
EASTBOUND
STA. 269+25.00 to STA. 272+97.43
STA. 285+89.05 to STA. 292+75.00
93'-2⅝"
91'-2⅝"
32'-2⅝" to 0'-0" (VARIES)
℄ EB RAMP EBR10
8'-0" SHLDR
14'-0" RAMP LANE
6'-0" SHLDR
GORE AREA (VARIES)
96'-1⅜"
94'-1⅜"
44'-1⅜" to 0'-0" (VARIES)
℄ WB RAMP WBR01
WESTBOUND
STA. 275+13.90 to STA. 281+40.89
PROPOSED SH 114 BRIDGE TYPICAL SECTION
NOTE: FROM CENTERLINE STA. 276+28.90 TO CENTERLINE STA. 281+69.36 PROPOSED EAST AND WEST BOUND BRIDGE SUPER STRUCTURE IS STEEL.
EASTBOUND
STA. 272+97.43 to STA. 285+89.05
SH 114 WB BL. MAINLANES
EXIST. CL. SH 114
SH 114 EB BL. MAINLANES
12'-0" MIN.
4'-0" MIN.
1'-0" TYP.
TY 3 SSCB
2.500%
1.5%
6:1
2'-0" TYP.
WESTBOUND
STA. 260+00.00 to STA. 260+56.91
PROPOSED SH 114 TYPICAL SECTION
EASTBOUND
STA. 260+00.00 to STA. 264+42.86
12'-0" to 14'-0"
4'-0" to 8'-0"
VARIES
WESTBOUND
STA. 260+56.91 to STA. 269+25.00
STA. 292+75.00 to STA. 299+45.00
PROPOSED SH 114 TYPICAL SECTION
EASTBOUND
STA. 264+42.86 to STA. 269+25.00
STA. 292+75.00 to STA. 297+16.30
WESTBOUND
STA. 299+45.00 to STA. 303+80.00
PROPOSED SH 114 TYPICAL SECTION
EASTBOUND
STA. 297+16.30 to STA. 300+00.00
12'-0"
2'-0"
12'-0" to 0'-0" AUX. LANE
WESTBOUND
STA. 303+80.00 to STA. 305+83.06
SH 114 TYPICAL SECTION
EASTBOUND
TSA. 300+00.00 to STA. 309+01.13
EXIST.CL.SH 114
4'-0" SHLDR to BE REMOVED
2.00%
WESTBOUND
STA. 305+83.06 to STA. 316+90.49
SH 114 TYPICAL SECTION
EASTBOUND
STA. 309+01.13 to STA. 316+90.49

TYPICAL SECTIONS
N.T.S.


8'-0"
SHLDR
1'-0"
⑬
PROPOSED
TX54 I-GIRDERS

CURVE DATA TABLE

CENTERLINE SH 114 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
1	CL007	233+68.46	2,355,867.07	7,055,973.68	18° 41′ 02.28"	3,819.72	1° 30′ 00.00"	628.38	1,245.60	S 71° 13′ 35.81" E	1,240.09	227+40.09
2	CL008	284+61.44	2,360,902.21	7,055,137.29	66° 20′ 40.95"	2,864.79	2° 00′ 00.00"	1,872.69	3,317.24	S 47° 23′ 46.48" E	3,134.99	265+88.75
3	CL009	331+03.53	2,362,148.03	7,050,222.48	58° 21′ 02.72"	2,291.83	2° 30′ 00.00"	1,279.57	2,334.03	S 43° 23′ 57.36" E	2,234.46	318+23.96

BASELINE EASTBOUND SH 114 MAINLANE CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
4	EBML001	265+00.00	2,358,965.32	7,055,446.86	1° 00′ 24.78"	15,803.46	0° 21′ 45.19"	138.86	277.72	S 80° 03′ 54.56" E	277.72	263+61.14
5	EBML002	284+32.98	2,360,866.32	7,055,096.65	64° 22′ 04.79"	2,850.79	2° 00′ 35.36"	1794.13	3202.67	S 47° 22′ 39.78" E	3036.89	266+38.86
6	EBML003	299+83.82	2,361,373.82	7,053,227.92	0° 58′ 11.38"	16,812.15	0° 20′ 26.88"	142.29	284.57	S 14° 42′ 31.69" E	284.57	298+41.53

BASELINE WESTBOUND SH 114 MAINLANE CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
7	WBML001	264+10.22	2,358,880.68	7,055,485.25	0° 42′ 48.46"	22,918.31	0° 15′ 00.00"	142.69	285.38	S 80° 55′ 31.18" E	285.38	262+67.52
8	WBML002	284+86.34	2,360,932.82	7,055,170.57	67° 46′ 17.86"	2,878.79	1° 59′ 24.99"	1933.43	3405.14	S 47° 23′ 46.48" E	3210.08	265+52.91
9	WBML003	301+00.74	2,361,417.85	7,053,151.90	0° 42′ 48.46"	22,918.31	0° 15′ 00.00"	142.69	285.38	S 13° 52′ 01.78" E	285.38	299+58.05

BASELINE EASTBOUND SH 114 FRONTAGE ROAD CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
10	EB003	249+76.11	2,357,388.78	7,055,556.69	2° 19′ 43.33"	11,459.16	0° 30′ 00.00"	232.90	465.74	S 81° 43′ 57.12" E	465.71	247+43.21
11	EB004	274+66.65	2,359,845.72	7,055,148.54	34° 53′ 44.80"	2,546.48	2° 15′ 00.00"	800.36	1550.92	S 63° 07′ 13.06" E	1527.06	266+66.30
12	EB005	285+62.43	2,360,665.21	7,054,348.06	15° 07′ 11.15"	2,291.83	2° 30′ 00.00"	304.16	604.79	S 38° 06′ 45.08" E	603.04	282+58.27
13	EB006	293+61.50	2,361,073.20	7,053,656.90	16° 19′ 43.50"	3,274.04	1° 45′ 00.00"	469.72	933.07	S 22° 23′ 17.76" E	929.92	288+91.78
14	EB007	308+40.16	2,361,438.09	7,052,217.39	13° 43′ 42.07"	1,432.39	4° 00′ 00.00"	172.43	343.21	S 7° 21′ 34.97" E	342.39	306+67.73

BASELINE WESTBOUND SH 114 FRONTAGE ROAD CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
15	WB007	249+60.26	2,357,427.91	7,055,878.63	3° 08′ 58.89"	5,729.58	1° 00′ 00.00"	157.52	314.97	S 78° 59′ 37.51" E	314.93	248+02.74
16	WB008	274+91.54	2,359,925.05	7,055,463.83	27° 05′ 19.42"	3,274.04	1° 45′ 00.00"	788.71	1547.93	S 67° 01′ 27.24" E	1533.55	267+02.83
17	WB009	284+66.69	2,360,732.43	7,054,865.96	8° 02′ 00.07"	2,864.79	2° 00′ 00.00"	201.16	401.67	S 49° 27′ 47.50" E	401.34	282+65.52
18	WB010	292+24.88	2,361,273.18	7,054,333.57	30° 22′ 16.49"	1,909.86	3° 00′ 00.00"	518.38	1012.37	S 30° 15′ 39.22" E	1000.56	287+06.50
19	WB011	304+43.41	2,361,596.45	7,053,133.43	76° 07′ 42.57"	160.00	35° 48′ 35.50"	125.29	212.59	S 53° 08′ 22.26" E	197.29	303+18.12

BASELINE EASTBOUND RAMP EBRP001 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
20	EBR001	290+70.59	2,360,884.03	7,054,027.38	4° 38′ 54.20"	2,864.79	2° 00′ 00.00"	116.27	232.42	S 33° 41′ 39.49" E	232.36	289+54.31
21	EBR002	294+98.67	2,361,135.84	7,053,681.03	12° 10′ 00.02"	1,432.39	4° 00′ 00.00"	152.66	304.17	S 29° 56′ 06.58" E	303.60	293+46.01
22	EBR003	298+58.53	2,361,281.82	7,053,350.85	8° 28′ 55.79"	1,432.39	4° 00′ 00.00"	106.22	212.05	S 19° 36′ 38.67" E	211.86	297+52.31

BASELINE EASTBOUND RAMP EBRP101 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
23	EBR101	263+74.24	2,358,769.97	7,055,339.41	8° 35′ 17.03"	2,864.79	2° 00′ 00.00"	215.10	429.40	S 84° 51′ 43.97" E	429.00	261+59.14
24	EBR102	268+16.92	2,359,213.41	7,055,332.88	18° 07′ 03.19"	1,432.39	4° 00′ 00.00"	228.38	452.94	S 80° 05′ 50.89" E	451.05	265+88.54
25	EBR103	274+58.95	2,359,824.21	7,055,123.02	7° 58′ 42.78"	1,909.86	3° 00′ 00.00"	133.19	265.95	S 67° 02′ 57.91" E	265.74	273+25.76
26	EBR104	280+98.39	2,360,394.64	7,054,833.13	22° 30′ 23.59"	2,546.48	2° 15′ 00.00"	506.68	1000.29	S 51° 48′ 24.72" E	993.87	275+91.71

BASELINE WESTBOUND RAMP WBRP001 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
27	WBR001	292+44.96	2,361,324.44	7,054,055.23	19° 24′ 31.98"	1,432.39	4° 00′ 00.00"	245.0	485.2	S 19° 54′ 33.97" E	482.91	290+00.00
28	WBR002	304+30.43	2,361,535.31	7,052,883.89	4° 01′ 07.92"	2,864.79	2° 00′ 00.00"	100.5	200.9	S 12° 12′ 51.94" E	200.90	303+29.92

BASELINE WESTBOUND RAMP WBRP101 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
29	WBR101	267+38.40	2,359,227.04	7,055,567.61	10° 25′ 57.89"	1,909.86	3° 00′ 00.00"	174.36	347.76	S 75° 21′ 08.01" E	347.28	265+64.04
30	WBR102	272+13.63	2,359,674.90	7,055,405.81	11° 48′ 15.60"	1,637.02	3° 30′ 00.00"	169.23	337.27	S 64° 14′ 01.26" E	336.67	270+44.40
31	WBR103	277+80.57	2,360,158.45	7,055,107.53	8° 48′ 21.42"	2,864.79	2° 00′ 00.00"	220.58	440.30	S 53° 55′ 42.76" E	439.86	275+59.99

CENTERLINE UP RAILROAD CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
32	RR001	126+49.17	2,360,325.44	7,055,023.62	2° 16′ 42.96"	7,000.00	0° 49′ 06.64"	139.21	278.38	N 26° 54′ 20.51" E	278.3653	125+09.96

CENTERLINE US 377 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
33	US001	79+27.91	2,359,460.10	7,052,875.01	15° 24′ 49.13"	5,729.58	1° 00′ 00.00"	775.36	1541.36	N 32° 38′ 54.11" E	1,536.72	71+52.55
34	US002	92+99.23	2,360,354.13	7,053,927.15	8° 22′ 26.69"	2,864.79	2° 00′ 00.00"	209.73	418.70	N 36° 10′ 05.33" E	418.33	90+89.50
35	US003	109+70.24	2,361,239.55	7,055,345.17	6° 11′ 14.99"	7,639.44	0° 45′ 00.00"	412.90	825.00	N 28° 53′ 14.50" E	824.60	105+57.33
36	US004	122+46.36	2,361,795.18	7,056,494.87	10° 30′ 48.39"	4,583.66	1° 15′ 00.00"	421.72	841.08	N 31° 03′ 01.20" E	839.90	118+24.64

CENTERLINE LOIS ROAD CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION
37	LS001	103+27.30	2,362,023.09	7,051,997.74	89° 17′ 32.23"	572.96	10° 00′ 00.00"	565.92	892.92	N 43° 52′ 15.91" E	805.27	97+61.38

P.T. STATION	BACK TANGENT	AHEAD TANGENT
239+85.68	S 61° 53′ 04.67" E	S 80° 34′ 06.95" E
299+05.98	S 80° 34′ 06.95" E	S 14° 13′ 26.00" E
341+57.99	S 14° 13′ 26.00" E	S 72° 34′ 28.72" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
266+38.86	S 80° 34′ 06.95" E	S 79° 33′ 42.17" E
298+41.53	S 79° 33′ 42.17" E	S 15° 11′ 37.38" E
301+26.10	S 15° 11′ 37.38" E	S 14° 13′ 26.00" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
265+52.91	S 80° 34′ 06.95" E	S 81° 16′ 55.41" E
299+58.05	S 81° 16′ 55.41" E	S 13° 30′ 37.55" E
302+43.43	S 13° 30′ 37.55" E	S 14° 13′ 26.00" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
252+08.95	S 82° 53′ 48.79" E	S 80° 34′ 05.46" E
282+17.22	S 80° 34′ 05.46" E	S 45° 40′ 20.66" E
288+63.06	S 45° 40′ 20.66" E	S 30° 33′ 09.51" E
298+24.85	S 30° 33′ 09.51" E	S 14° 13′ 26.01" E
310+10.94	S 14° 13′ 26.01" E	S 0° 29′ 43.94" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
251+17.71	S 77° 25′ 08.06" E	S 80° 34′ 06.95" E
282+50.76	S 80° 34′ 06.95" E	S 53° 28′ 47.54" E
286+67.19	S 53° 28′ 47.54" E	S 45° 26′ 47.46" E
297+18.87	S 45° 26′ 47.46" E	S 15° 04′ 30.97" E
305+30.71	S 15° 04′ 30.97" E	N 88° 47′ 46.45" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
291+86.73	S 31° 22′ 12.39" E	S 36° 01′ 06.59" E
296+50.18	S 36° 01′ 06.59" E	S 23° 51′ 06.57" E
299+64.36	S 23° 51′ 06.57" E	S 15° 22′ 10.77" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
265+88.54	S 80° 34′ 05.46" E	S 89° 09′ 22.49" E
270+41.48	S 89° 09′ 22.49" E	S 71° 02′ 19.30" E
275+91.71	S 71° 02′ 19.30" E	S 63°03′ 36.51"E
285+92.00	S 63°03′ 36.51"E	S 40° 33′ 12.93" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
294+85.22	S 29° 36′ 49.96" E	S 10° 12′ 17.98" E
305+30.86	S 10° 12′ 17.98" E	S 14° 13′ 25.90" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
269+11.79	S 80° 34′ 06.95" E	S 70° 08′ 09.06" E
273+81.66	S 70° 08′ 09.06" E	S 58° 19′ 53.47" E
280+00.29	S 58° 19′ 53.47" E	S 49° 31′ 32.05" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
127+88.34	N 25° 45′ 59.03" E	N 28° 02′ 41.99" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
86+93.92	N 24° 56′ 29.55" E	N 40° 21′ 18.68" E
95+08.21	N 40° 21′ 18.68" E	N 31° 58′ 51.99" E
113+82.33	N 31° 58′ 51.99" E	N 25° 47′ 37.00" E
126+65.71	N 25° 47′ 37.00" E	N 36° 18′ 25.40" E

P.T. STATION	BACK TANGENT	AHEAD TANGENT
106+54.30	N 88° 31′ 02.02" E	N 0° 46′ 30.21" W

OWNER INFORMATI

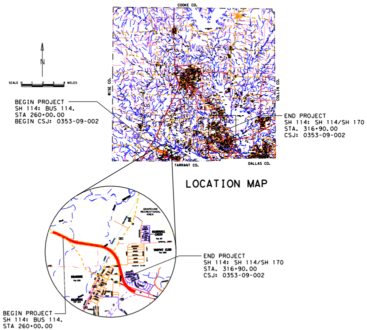
PARCEL NUMBER	PROP_ID	OWNER_NAME	ADDR_LINE2	CITY	STATE	ZIP	SITUS
EB-01	68063	HAMMACK, GLORIA & WILLIAMS, BETTY L FA	4925 GREENVILLE AVE STE 1	DALLAS	TX	75206	SH 114
EB-02	196885	MID AMERICA APARTMENTS, LP	6584 POPLAR AVE	MEMPHIS	TN	38138	2000 HOLLEY PKWY
EB-03	292799	MID-AMERICA APARTMENTS, LP	6584 POPLAR AVE	MEMPHIS	TN	38138	
EB-04	196884	THE NIRVANA ROANOKE LLC	2808 BROOKSHIRE DR	SOUTHLAKE	TX	76092	1000 CANNON PKWY
EB-05	196888	ROANOKE ECONOMIC & INDUSTRIAL DEV COR	108 S OAK ST	ROANOKE	TX	76262	SH 114 & US HWY 377
EB-06	227331	BIG DIAMOND LLC	PO BOX 691490	SAN ANTONIO	TX	78269	1116 N US 377
EB-07	227333	ROANOKE CORNERS LLC	2411 SANTA CLARA AVE STE 2	ALAMEDA	CA	94501	1112 N US 377
EB-08	227330	LAS ACQUISITIONS LLC	5000 KANSAS AVE	KANSAS CITY	KS	66106	1108 N US 377
EB-09	260201	ALORI PROPERTIES, ETAL	204 E HIGHWAY 114	ROANOKE	TX	76262	200 E SH 114
EB-10	260202	ALORI PROPERTIES, ETAL	204 E HIGHWAY 114	ROANOKE	TX	76262	204 E SH 114
EB-11	309921	ROANOKE ONE LTD	905 CONGRESS AVE	AUSTIN	TX	78703	208 SH 114
EB-12	309920	SIMMONS ENTERPRISES LLC	212 E HIGHWAY 114	ROANOKE	TX	76262	212 E SH 114 RD
EB-13	82830	BOBWHITE PROPERTIES LP	844 E WALNUT ST	GRAPEVINE	TX	76051	
EB-14	68656	ROANOKE WATER TOWER CENTRE LLC	16301 QUORUM DR, STE 250B	ADDISON	TX	75001	415 LOIS ST
EB-15	154871	ROANOKE, CITY OF	108 S OAK ST	ROANOKE	TX	76262	
EB-16	70780	TEXAS DEPARTMENT OF TRANSPORTATION	4777 US HIGHWAY 80 E	MESQUITE	TX	75150	
EB-17	68661	CHURCH OF CHRIST	PO BOX 131	ROANOKE	TX	76262	505 DORMAN RD
EB-18	150584	CHURCH OF CHRIST	PO BOX 131	ROANOKE	TX	76262	505 DORMAN RD
EB-18A	68659	CHURCH OF CHRIST, HILLTOP CONGREGATI	PO BOX 468	ROANOKE	TX	76262	420 LOIS ST
EB-19	340046	ARON REAL ESTATE INC	337 DORMAN RD	ROANOKE	TX	76262	337 DORMAN RD
EB-20	68131	WWC SERVICES INC	1303 CAMPBELL RD	HOUSTON	TX	77055	701 E BYRON NELSON BLVD
WB-01	68760	HAMMACK, GLORIA & WILLIAMS, BETTY L FA	4925 GREENVILLE AVE STE 1	DALLAS	TX	75206	
WB-02	68760	HAMMACK, GLORIA & WILLIAMS, BETTY L FA	4925 GREENVILLE AVE STE 1	DALLAS	TX	75206	
WB-03	196886	ROANOKE, CITY OF	108 S OAK ST	ROANOKE	TX	76262	SH 114 BYPASS
WB-04	167532	HAMMACK, GLORIA & WILLIAMS, BETTY L FA	4925 GREENVILLE AVE STE 1	DALLAS	TX	75206	
WB-05	196889	CUBESMART LP	5 OLD LANCASTER RD	MALVERN	PA	19355	1601 N US 377
WB-06	257322	ROANOKE 08 A LP	12411 VENTURA BLVD	STUDIO CITY	CA	91604	1200 N US 377
WB-07	257323	ROANOKE 08 A LP	12411 VENTURA BLVD	STUDIO CITY	CA	91604	101 E SH 114
WB-08	272973	ROANOKE 08 A LP	12411 VENTURA BLVD	STUDIO CITY	CA	91604	105 E SH 114
WB-09	271967	ROANOKE 08 A LP	12411 VENTURA BLVD	STUDIO CITY	CA	91604	1224 N US 377
WB-10	534977	R CROSSING RETAIL 5 LLC	14801 QUORUM DR STE 160	DALLAS	TX	75254	SH 114
WB-11	251774	ROANOKE 08 A LP	12411 VENTURA BLVD	STUDIO CITY	CA	91604	113 E SH 114
WB-12	251775	MARSHALL REALTY LLC	PO BOX 3350	GRAPEVINE	TX	76099	117 E SH 114
WB-13	251776	ROANOKE 08 A LP	12411 VENTURA BLVD	STUDIO CITY	CA	91604	121 E SH 114
WB-14	251777	HD DEV PROP LP C/O HOME DEPOT USA	2455 PACES FERRY RD SE	ATLANTA	GA	30339	125 E SH 114
WB-15	68626	THE KEELER FAMILY LTD PS	1366 DUBLIN ROAD	COLUMBUS	OH	43215	201 E SH 114 BYPASS
WB-16	676913	ADV ROANOKE PROPERTY OWNER LLC	2600 ELDORADO PKWY STE 11	MCKINNEY	TX	75070	855 LOIS ST
WB-17	68132	WENTWOOD PARTNERS LTD ETAL	6116 N CENTRAL EXPY STE 5	DALLAS	TX	75206	HOWE RD
WB-18	148772	IDOSKI, BEADIN	3300 ALEXANDRIA CT	SOUTHLAKE		0	40 MONTEREY DR
WB-19	216866	VILLALOBOS, ADRIANA M	2720 BROADWAY DR	TROPHY CLUB	TX	76262	
WB-19A	71881	VILLALOBOS, ADRIANA M	2720 BROADWAY DR	TROPHY CLUB	TX	76262	57 SONORA DR
WB-20	216867	HARWELL, BROCK T	55 SONORA DR	TROPHY CLUB	TX	76262	
WB-20A	71878	HARWELL, BROCK T	55 SONORA DR	TROPHY CLUB	TX	76262	55 SONORA DR
WB-21	216868	CARLSON, LYNN P	53 SONORA DR	ROANOKE	TX	76262	
WB-21A	71876	CARLSON, LYNN P	53 SONORA DR	ROANOKE	TX	76262	53 SONORA DR
WB-22	216869	CARLISLE, BEVERLY K	51 SONORA DR	ROANOKE	TX	76262	
WB-22A	71875	CARLISLE, BEVERLY K	51 SONORA DR	ROANOKE	TX	76262	51 SONORA DR

ION TABLE

LEGAL_DESC	BLOCK	LOT	LAND_SQFT	LAND_ACRES
A0716A C.W. KELSEY, TR 1, 11.171 ACRES, OLD DCAD TR 2		1	486609.00	11.171
HOMESTEAD ADDN (NW ISD) BLK 4 LOT 6	4	6	38642.00	0.887
HOMESTEAD ADDN (NW ISD) BLK 4 LOT 6R	4	6R	461252.00	10.589
HOMESTEAD ADDN (NW ISD) BLK 4 LOT 5	4	5	611016.00	14.027
HOMESTEAD ADDN (NW ISD) BLK 8 LOT 1	8	1	295511.00	6.784
JACK L & HELEN L SAMPSON ADDN BLK A LOT 3R	A	3R	25948.00	0.596
JACK L & HELEN L SAMPSON ADDN BLK A LOT 1R	A	1R	52525.00	1.206
JACK L & HELEN L SAMPSON ADDN BLK A LOT 2R	A	2R	247244.00	5.676
TEMBO ADDN BLK A LOT 1	A	1	31606.00	0.726
TEMBO ADDN BLK A LOT 2	A	2	24001.00	0.551
TEMBO ADDN BLK A LOT 3B	A	3B	27852.00	0.639
TEMBO ADDN BLK A LOT 3A	A	3A	25279.00	0.580
A0923A MEP & PRR, TR 1, 5.648 ACRES, OLD DCAD TR #6(16)		1	246027.00	5.648
A0923A MEP & PRR, TR 4, 4.575 ACRES, OLD DCAD TR #6(10)		4	199287.00	4.575
A0923A MEP & PRR, TR 5, 1.634 ACRES		5	71177.04	1.634
A1565A J. BACON, TR 2, .296 ACRES, OLD DCAD TR 1C		2	12893.76	0.296
A0923A MEP & PRR, TR 7 & 8, .494 ACRES, OLD DCAD TR #6(11A) & 6(11B)		7 & 8	21518.64	0.494
A1565A J. BACON, TR 4,5, .1 ACRES		4,5	4356.00	0.100
A0923A MEP & PRR, TR 6, .299 ACRES, OLD DCAD TR #6(11C)		6	13024.00	0.299
HYDE-WAY ADDN BLK 1 LOT 3R	1	3R	100667.16	2.311
A0392A JESSIE EADS, TR 9, 3.5945 ACRES		9	156576.00	3.594
A1033A W.M. PERRY, TR 1 & 2, 28.9949 ACRES		1 & 2	1263017.84	28.995
A1033A W.M. PERRY, TR 1 & 2, 28.9949 ACRES		1 & 2	1263017.84	28.995
HOMESTEAD ADDN (NW ISD) BLK 5 LOT 1	5	1	314373.00	7.217
A0087A M. BEALL, TR 2, 21.9064 ACRES		2	954242.78	21.906
HOMESTEAD ADDN (NW ISD) BLK 6 LOT 1AR	6	1AR	146841.00	3.371
HOMESTEAD RETAIL ADDN BLK 7 LOT 3R	7	3R	50929.00	1.169
HOMESTEAD RETAIL ADDN BLK 7 LOT 4R	7	4R	55483.00	1.274
HOMESTEAD RETAIL ADDN BLK 7 LOT 5R1	7	5R1	61986.00	1.423
HOMESTEAD RETAIL ADDN BLK 7 LOT 10R	7	10R	174850.00	4.014
HOMESTEAD RETAIL ADDN BLK 7 LOT 13R1B	7	13R1B	172976.76	3.971
HOMESTEAD RETAIL ADDN BLK 7 LOT 6	7	6	59024.00	1.355
HOMESTEAD RETAIL ADDN BLK 7 LOT 7	7	7	37059.00	0.851
HOMESTEAD RETAIL ADDN BLK 7 LOT 8	7	8	37435.00	0.859
HOMESTEAD RETAIL ADDN BLK 7 LOT 9	7	9	523025.00	12.007
A0912A MEP & PRR, TR 1, 11.009 ACRES, OLD DCAD TR #1		1	479552.00	11.009
ADVANTAGE STORAGE ADDITION BLK A LOT 1R	A	1R	203825.95	4.679
A0392A JESSIE EADS, TR 8, .9548 ACRES, OLD DCAD TR 1C,1D		8	41591.00	0.955
FIRST UNITED METHODIST CHURCH OF ROANOKE BLK A LOT 2(E PT)	A	2(E PT)	42083.00	0.966
A0392A JESSIE EADS, TR 9A, .1546 ACRES		9A	6734.00	0.155
TROPHY CLUB VILLAGE WEST SEC B LOT 1173		1173	8050.00	0.185
A0392A JESSIE EADS, TR 9B, .103 ACRES		9B	4486.00	0.103
TROPHY CLUB VILLAGE WEST SEC B LOT 1172		1172	8050.00	0.185
A0392A JESSIE EADS, TR 9C, .074 ACRES		9C	3223.44	0.074
TROPHY CLUB VILLAGE WEST SEC B LOT 1171		1171	8050.00	0.185
A0392A JESSIE EADS, TR 9D, .0438 ACRES		9D	1907.00	0.044
TROPHY CLUB VILLAGE WEST SEC B LOT 1170		1170	8050.00	0.185

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED K. BUR, P.E., DISTRICT ENGINEER
DENTON COUNTY
SH 114 OVER US 377
PROJECT LIMIT: FROM 2,534' WEST OF US 377
TO 3,165' EAST OF US 377
CONTROL: 0353-09-002
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL
DESIGN SPEED: 70 mph MAINLANES
50 mph RAMPS
45 mph FRONTAGE ROADS
30 mph CROSS STREETS
PROJECT LENGTH = 1.078 MILES (5,690.00 FT.)


COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
N
SCALE 0 1 2 3 4 MILES
BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002
END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002
GRAPEVINE RECREATIONAL AREA
TROPHY CLUB
ROANOKE

LOCATION MAP

OCTOBER 2018
SCALE: 1"=100' H, 1"=10'V
ROLL 2 OF 3

PRELIMINARY FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
NELSON L. UNDERWOOD	91203	10/19/2018

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED K. BUR, P.E., DISTRICT ENGINEER
DENTON COUNTY
SH 114 OVER US 377
PROJECT LIMIT: FROM 2,534' WEST OF US 377
TO 3,165' EAST OF US 377
CONTROL: 0353-09-002
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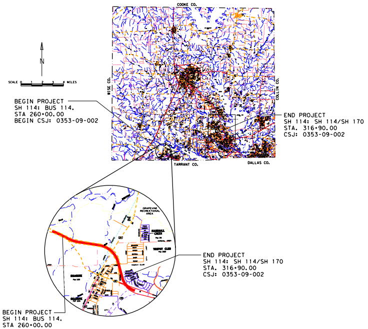
DESIGN SPEED: 70 mph MAINLANES
50 mph RAMPS
45 mph FRONTAGE ROADS
30 mph CROSS STREETS
PROJECT LENGTH = 1.078 MILES (5,690.00 FT.)


COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
N
SCALE 0 1 2 3 4 MILES
BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002
END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002
GRAPEVINE RECREATIONAL AREA
END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002
BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002

OCTOBER 2018
SCALE: 1"=100' H, 1"=10'V
ROLL 3 OF 3

PRELIMINARY FOR INTERIM REVIEW ONLY

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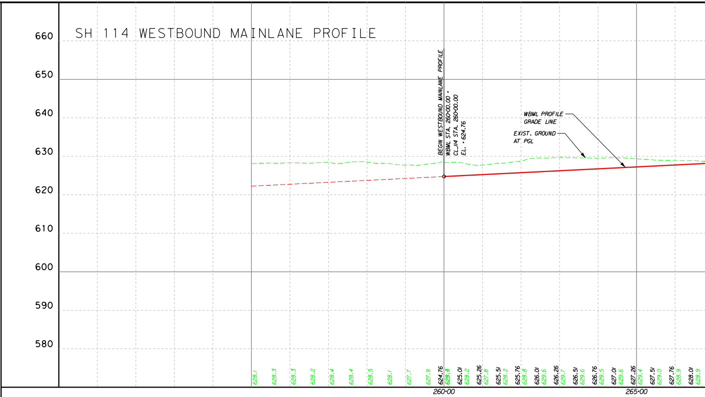
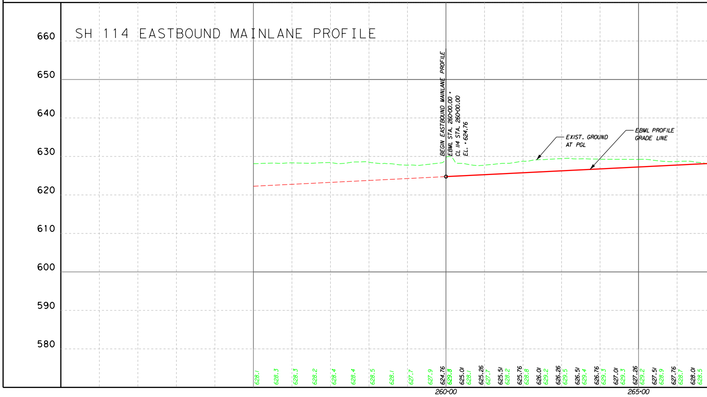
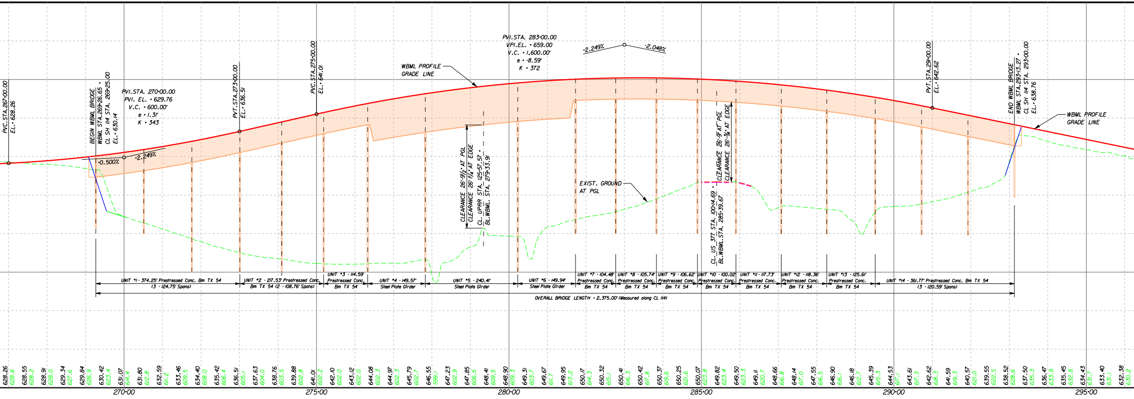
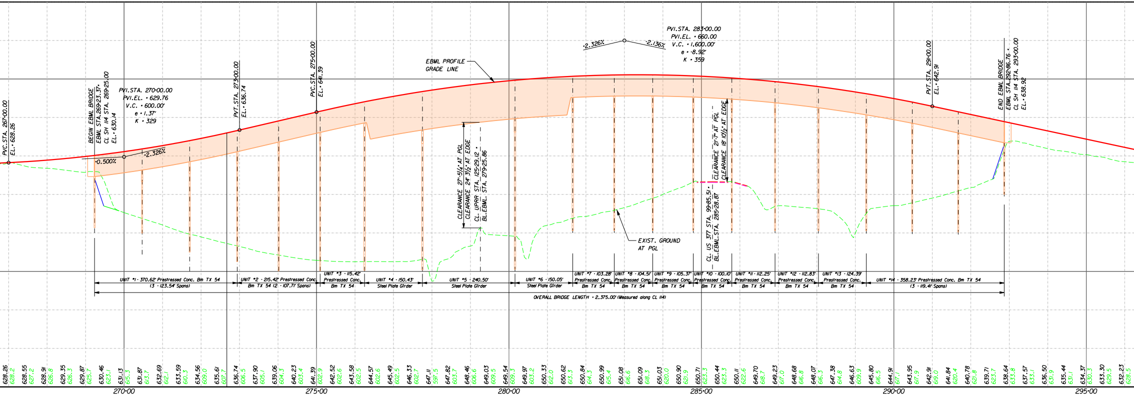
NELSON L. UNDERWOOD	91203	10/19/2018
NAME	P.E. NO.	DATE

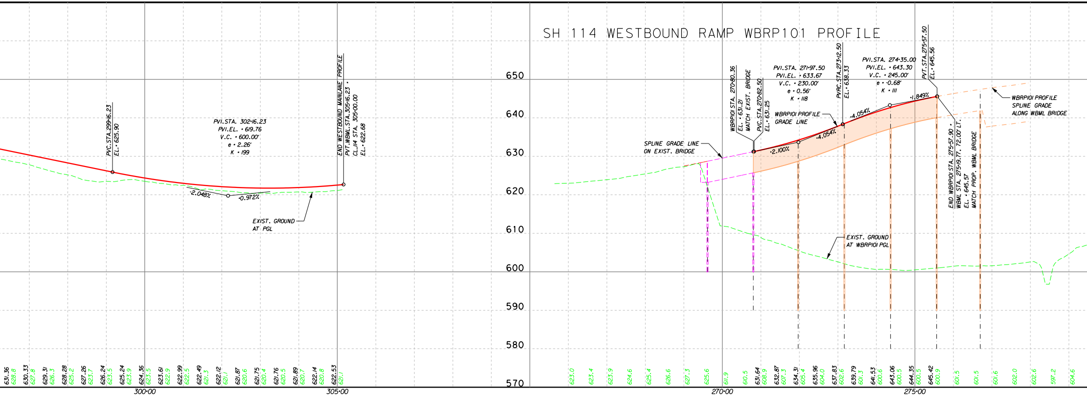

SH 114 WESTBOUND MAINLANE PROFILE
660
650
640
630
620
610
600
590
580
BEGIN WESTBOUND MAINLANE PROFILE
WBML STA. 260+00.00 =
CL.114 STA. 260+00.00
EL. = 624.76
WBML PROFILE GRADE LINE
EXIST. GROUND AT PGL
628.1
628.3
628.3
628.2
628.4
628.4
628.5
628.1
627.7
627.9
624.76
628.3
625.01
628.2
625.26
627.8
625.51
628.2
625.76
628.8
626.01
629.6
626.26
629.7
626.51
629.6
626.76
629.5
627.01
629.6
627.26
629.4
627.51
629.0
627.76
628.9
628.01
628.9
260+00
265+00


SH 114 EASTBOUND MAINLANE PROFILE
660
650
640
630
620
610
600
590
580
BEGIN EASTBOUND MAINLANE PROFILE
EBML STA. 260+00.00 =
CL 114 STA. 260+00.00
EL. = 624.76
EXIST. GROUND AT PGL
EBML PROFILE GRADE LINE
628.1
628.3
628.3
628.2
628.4
628.4
628.5
628.1
627.7
627.9
624.76
629.8
625.01
628.1
625.26
627.7
625.51
628.2
625.76
628.8
626.01
629.2
626.26
629.5
626.51
629.4
626.76
629.3
627.01
629.3
627.26
629.2
627.51
628.9
627.76
628.7
628.01
628.5
260+00
265+00

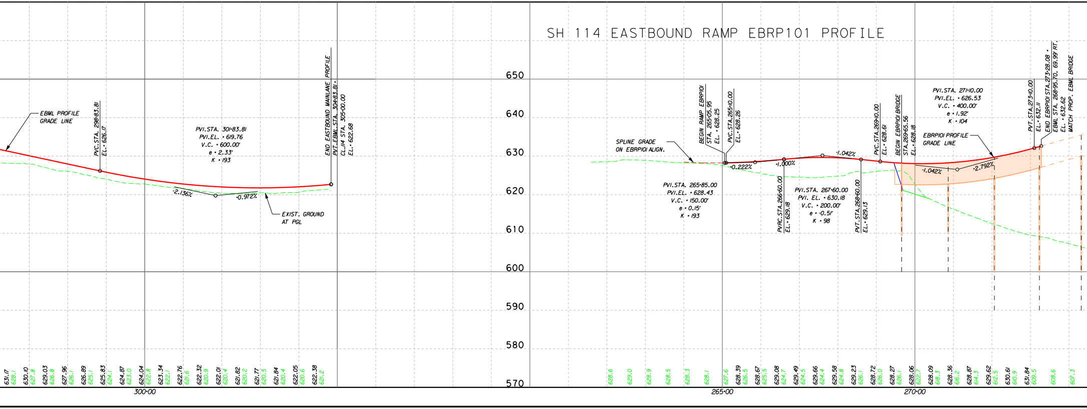

PVC.STA. 267+00.00
EL. = 628.26
BEGIN WBML BRIDGE
WBML STA. 269+26.65 =
CL SH 114 STA. 269+25.00
EL. = 630.14
PVI.STA. 270+00.00
PVI. EL. = 629.76
V.C. = 600.00'
e = 1.31'
K = 343
-0.500%
+2.249%
PVT.STA. 273+00.00
EL. = 636.51
PVC.STA. 275+00.00
EL. = 641.01
WBML PROFILE
GRADE LINE
CLEARANCE 26'-9 1/2" AT PGL
CLEARANCE 26' 1 1/4" AT EDGE
CL. UPRR STA. 125+57.57 =
BL.WBML. STA. 279+33.91
PVI.STA. 283+00.00
VPI.EL. = 659.00
V.C. = 1,600.00'
e = -8.59'
K = 372
+2.249%
-2.048%
EXIST. GROUND
AT PGL
CLEARANCE 26'-9" AT PGL
CLEARANCE 26'-3/4" AT EDGE
CL. US 377 STA. 100+14.69 =
BL.WBML.STA. 285+39.67
PVT.STA. 291+00.00
EL. = 642.62
END WBML BRIDGE
WBML STA. 293+13.27 =
CL SH 114 STA. 293+00.00
EL. = 638.76
WBML PROFILE
GRADE LINE
UNIT #1 - 374.25' Prestressed Conc. Bm TX 54
(3 - 124.75' Spans)
UNIT #2 - 217.53' Prestressed Conc.
Bm TX 54 (2 - 108.76' Spans)
UNIT #3 - 114.59'
Prestressed Conc.
Bm TX 54
UNIT #4 - 149.57'
Steel Plate Girder
UNIT #5 - 240.41'
Steel Plate Girder
UNIT #6 - 149.94'
Steel Plate Girder
UNIT #7 - 104.48'
Prestressed Conc.
Bm TX 54
UNIT #8 - 105.74'
Prestressed Conc.
Bm TX 54
UNIT #9 - 106.62'
Prestressed Conc.
Bm TX 54
UNIT #10 - 100.02'
Prestressed Conc.
Bm TX 54
UNIT #11 - 117.73'
Prestressed Conc.
Bm TX 54
UNIT #12 - 118.36'
Prestressed Conc.
Bm TX 54
UNIT #13 - 125.61'
Prestressed Conc.
Bm TX 54
UNIT #14 - 361.77' Prestressed Conc. Bm TX 54
(3 - 120.59' Spans)
OVERALL BRIDGE LENGTH = 2,375.00' (Measured along CL 114)
628.26 628.6
628.55 628.2
628.91 628.0
629.34 627.6
629.84 626.9
630.42 623.4
631.07 614.4
631.80 612.8
632.59 611.2
633.46 609.5
634.40 608.0
635.42 606.4
636.51 605.1
637.63 604.0
638.76 603.5
639.88 602.8
641.01 602.2
642.10 602.0
643.12 602.0
644.08 602.3
644.97 602.3
645.79 602.7
646.55 599.1
647.23 602.9
647.85 606.5
648.41 609.5
648.90 609.3
649.31 603.7
649.67 611.7
649.95 613.2
650.17 614.3
650.32 615.1
650.41 616.3
650.42 617.8
650.37 619.6
650.25 621.6
650.07 623.8
649.82 623.4
649.50 623.3
649.11 620.7
648.66 616.8
648.14 617.0
647.55 616.5
646.90 616.1
646.18 612.7
645.39 615.3
644.53 617.1
643.61 617.3
642.62 618.3
641.59 619.3
640.57 621.0
639.55 622.5
638.52 628.6
637.50 635.3
636.47 633.9
635.45 632.8
634.43 631.7
633.40 631.1
632.38 630.2
270+00
275+00
280+00
285+00
290+00
295+00

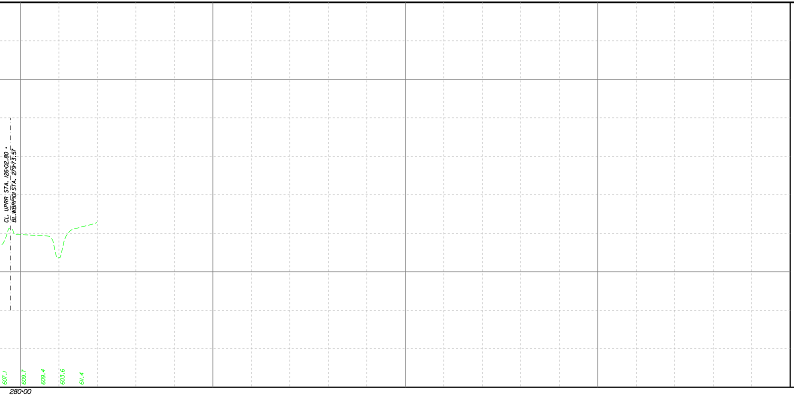

PVC.STA. 267+00.00
EL. = 628.26
BEGIN EBML BRIDGE
EBML STA. 269+23.37 =
CL SH 114 STA. 269+25.00
EL. = 630.14
PVI.STA. 270+00.00
PVI.EL. = 629.76
V.C. = 600.00'
e = 1.37'
K = 329
-0.500%
+2.326%
PVT.STA. 273+00.00
EL. = 636.74
PVC.STA. 275+00.00
EL. = 641.39
EBML PROFILE
GRADE LINE
CLEARANCE 27'-5 1/4" AT PGL
CLEARANCE 24' 3 1/2" AT EDGE
CL. UPRR STA. 125+29.12 =
BL.EBML. STA. 279+25.86
PVI.STA. 283+00.00
PVI.EL. = 660.00
V.C. = 1,600.00'
e = -8.92'
K = 359
+2.326%
-2.136%
EXIST. GROUND
AT PGL
CLEARANCE 21'-7" AT PGL
CLEARANCE 18' 10 1/2" AT EDGE
CL. US 377 STA. 99+85.51 =
BL.EBML.STA. 285+28.87
PVT.STA. 291+00.00
EL. = 642.91
END EBML BRIDGE
EBML STA. 292+86.76 =
CL SH 114 STA. 293+00.00
EL. = 638.92
UNIT #1 - 370.62' Prestressed Conc. Bm TX 54
(3 - 123.54' Spans)
UNIT #2 - 215.42' Prestressed Conc.
Bm TX 54 (2 - 107.71' Spans)
UNIT #3 - 115.42'
Prestressed Conc.
Bm TX 54
UNIT #4 - 150.43'
Steel Plate Girder
UNIT #5 - 240.50'
Steel Plate Girder
UNIT #6 - 150.05'
Steel Plate Girder
UNIT #7 - 103.28'
Prestressed Conc.
Bm TX 54
UNIT #8 - 104.51'
Prestressed Conc.
Bm TX 54
UNIT #9 - 105.37'
Prestressed Conc.
Bm TX 54
UNIT #10 - 100.10'
Prestressed Conc.
Bm TX 54
UNIT #11 - 112.25'
Prestressed Conc.
Bm TX 54
UNIT #12 - 112.83'
Prestressed Conc.
Bm TX 54
UNIT #13 - 124.39'
Prestressed Conc.
Bm TX 54
UNIT #14 - 358.23' Prestressed Conc. Bm TX 54
(3 - 119.41' Spans)
OVERALL BRIDGE LENGTH = 2,375.00' (Measured along CL 114)
628.26 628.2
628.55 627.2
628.91 626.8
629.35 626.3
629.87 625.7
630.46 623.1
631.13 615.3
631.87 613.7
632.69 612.1
633.59 610.3
634.56 609.0
635.61 607.7
636.74 606.5
637.90 605.1
639.06 604.3
640.23 603.4
641.39 602.9
642.52 602.6
643.58 602.5
644.57 602.6
645.49 602.5
646.33 602.7
647.11 597.5
647.82 603.7
648.46 606.6
649.03 609.5
649.54 609.3
649.97 603.2
650.33 612.0
650.62 613.3
650.84 614.3
650.99 615.4
651.08 616.6
651.09 618.3
651.03 620.0
650.90 621.9
650.71 623.3
650.44 623.3
650.11 622.6
649.70 618.7
649.23 617.0
648.68 616.8
648.07 616.3
647.38 614.8
646.63 609.9
645.80 616.5
644.91 617.1
643.95 617.9
642.91 619.0
641.84 620.4
640.78 621.8
639.71 623.7
638.64 633.8
637.57 633.1
636.50 631.9
635.44 631.1
634.37 630.3
633.30 629.5
632.23 628.5
270+00
275+00
280+00
285+00
290+00
295+00

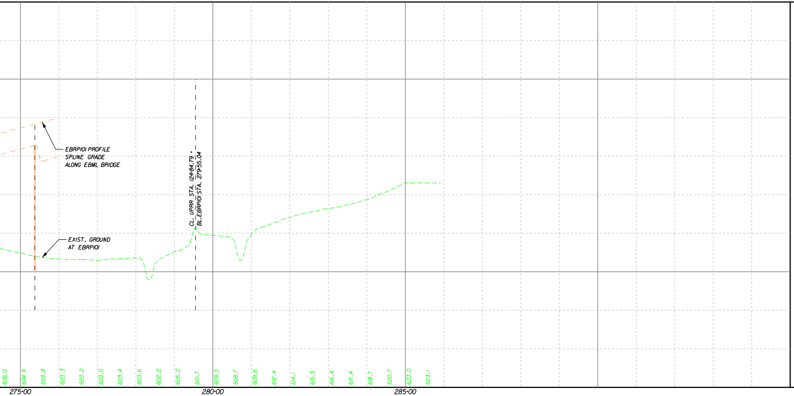
SH 114 WESTBOUND RAMP WBRP101 PROFILE


PVC.STA.299+16.23
EL. = 625.90
PVI.STA. 302+16.23
PVI.EL. = 619.76
V.C. = 600.00'
e = 2.26'
K = 199
-2.048%
+0.972%
EXIST. GROUND
AT PGL
END WESTBOUND MAINLANE PROFILE
PVT.WBML.STA.305+16.23 =
CL.114 STA. 305+00.00
EL. = 622.68
WBRP101 STA. 270+80.36
EL. = 631.21
MATCH EXIST. BRIDGE
PVC.STA.270+82.50
EL. = 631.25
SPLINE GRADE LINE
ON EXIST. BRIDGE
PVI.STA. 271+97.50
PVI.EL. = 633.67
V.C. = 230.00'
e = 0.56'
K = 118
WBRP101 PROFILE
GRADE LINE
PVRC.STA.273+12.50
EL. = 638.33
PVI.STA. 274+35.00
PVI.EL. = 643.30
V.C. = 245.00'
e = -0.68'
K = 111
PVT.STA.275+57.50
EL. = 645.56
+2.100%
+4.054%
+4.054%
+1.849%
WBRP101 PROFILE
SPLINE GRADE
ALONG WBML BRIDGE
END WBRP101 STA. 275+57.90 =
WBML STA. 275+19.77, 72.00' LT.
EL. = 645.57
MATCH PROP. WBML BRIDGE
EXIST. GROUND
AT WBRP101 PGL
650
640
630
620
610
600
590
580
570
631.36
628.8
630.33
627.8
629.31
626.3
628.28
625.2
627.26
623.7
626.24
623.5
625.24
623.9
624.36
623.5
623.61
622.9
622.99
622.5
622.49
621.3
622.12
621.1
621.87
620.6
621.75
620.4
621.76
620.5
621.89
620.7
622.14
620.8
622.53
621.1
300+00
305+00
623.0
623.4
623.9
624.6
625.4
626.6
627.3
625.6
611.9
610.5
631.64
608.9
632.87
607.3
634.31
605.4
635.96
604.0
637.83
602.6
639.79
601.3
641.53
600.6
643.06
600.5
644.35
600.5
645.42
600.9
601.5
601.5
601.6
602.0
602.6
597.2
604.6
270+00
275+00

SH 114 EASTBOUND RAMP EBRP101 PROFILE

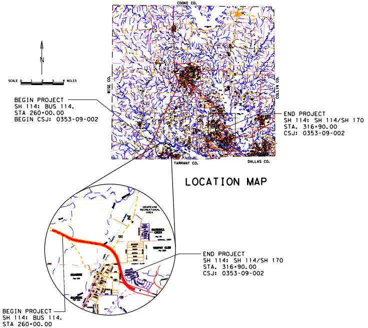

EBML PROFILE
GRADE LINE
PVC.STA. 298+83.81
EL. = 626.17
PVI.STA. 301+83.81
PVI.EL. = 619.76
V.C. = 600.00'
e = 2.33'
K = 193
-2.136%
+0.972%
EXIST. GROUND
AT PGL
END EASTBOUND MAINLANE PROFILE
PVT.EBML.STA. 304+83.81 =
CL.114 STA. 305+00.00
EL. = 622.68
SPLINE GRADE
ON EBRP101 ALIGN.
BEGIN RAMP EBRP101
STA. 265+05.95
EL. = 628.25
PVC.STA.265+10.00
EL. = 628.26
+0.222%
+1.000%
-1.042%
PVI.STA. 265+85.00
PVI.EL. = 628.43
V.C. = 150.00'
e = 0.15'
K = 193
PVRC.STA.266+60.00
EL. = 629.18
PVI.STA. 267+60.00
PVI. EL. = 630.18
V.C. = 200.00'
e = -0.51'
K = 98
PVT.STA.268+60.00
EL. = 629.13
PVC.STA.269+10.00
EL. = 628.61
BEGIN EBRP101 BRIDGE
STA.269+65.56
EL. = 628.18
PVI.STA. 271+10.00
PVI.EL. = 626.53
V.C. = 400.00'
e = 1.92'
K = 104
EBRP101 PROFILE
GRADE LINE
-1.042%
+2.792%
PVT.STA.273+10.00
EL. = 632.11
END EBRP101 STA.273+28.08 =
EBML STA. 268+95.70, 69.99' RT.
EL. = 632.62
MATCH PROP. EBML BRIDGE
650
640
630
620
610
600
590
580
570
631.17
628.1
630.10
627.8
629.03
626.8
627.96
626.1
626.89
625.1
625.83
624.1
624.87
623.0
624.04
622.8
623.34
622.1
622.76
621.6
622.32
620.9
622.01
620.4
621.82
620.2
621.77
620.5
621.84
620.4
622.05
620.6
622.38
621.2
300+00
628.6
629.0
628.9
628.5
628.3
628.1
627.6
628.39
626.5
628.67
625.5
629.08
624.7
629.49
624.5
629.66
624.4
629.58
624.8
629.23
626.1
628.72
626.0
628.27
626.1
628.06
622.7
628.09
618.3
628.36
616.2
628.87
614.3
629.62
612.5
630.61
610.9
631.84
609.5
608.6
607.3
265+00
270+00





Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
MOHAMED K. BUR, P.E., DISTRICT ENGINEER
DENTON COUNTY
SH 114 OVER US 377
PROJECT LIMIT: FROM 2,534′ WEST OF US 377
TO 3,165′ EAST OF US 377
CONTROL: 0353-09-002
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL
DESIGN SPEED: 70 mph MAINLANES
50 mph RAMPS
45 mph FRONTAGE ROADS
30 mph CROSS STREETS
PROJECT LENGTH = 1.078 MILES (5,690.00 FT.)


COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
N
SCALE 0 1 2 3 4 MILES
BEGIN PROJECT
SH 114: BUS 114.
STA 260+00.00
BEGIN CSJ: 0353-09-002
END PROJECT
SH 114: SH 114/SH 170
STA. 316+90.00
CSJ: 0353-09-002
GRAPEVINE RECREATIONAL AREA

LOCATION MAP

OCTOBER 2018
SCALE: 1"=100′ H, 1"=10′ V
ROLL 3 OF 3

PRELIMINARY FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NELSON L. UNDERWOOD	91203	10/19/2018
NAME	P.E. NO.	DATE