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DALLAS DISTRICT
WILLIAM L. HALE P.E.,
DISTRICT ENGINEER

COLLIN COUNTY

DESIGN SCHEMATIC
SH 289
PROJECT LENGTH: 12.992 MILES (68,600')

CSJ #0091-03-022
LIMITS: 500' NORTH OF GRAYSON CR 60
(GRAYSON COUNTY LINE)
TO BUS 289
LENGTH: 2.348 MILES

CSJ #0091-03-021
LIMITS: BUS 289 TO FM 455
LENGTH: 3.297 MILES

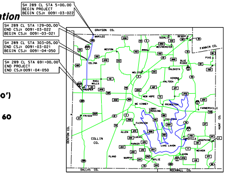
CSJ #0091-04-050
LIMITS: FM 455 TO 1/4 MILE NORTH OF US 380
LENGTH: 7.347 MILES

DESIGN SPEED: 60 MPH (RURAL)
45 MPH (URBAN)
40 MPH (FM STREETS)
30 MPH (CR & LOCAL STREETS)
20 MPH (CR 60)
FUNCTIONAL CLASS: RURAL AND URBAN PRINCIPAL ARTERIAL
ROLL 3 of 7

FEBRUARY 2009

ROADWAY	2010 ADT	2030 ADT	DESIGN SPEED
SH 289 (RURAL)	20,100	31,000	MEETS OR EXCEEDS 60 MPH
SH 289 (URBAN)	20,100	31,000	MEETS OR EXCEEDS 45 MPH
BUS 289	2,800	3,400	MEETS OR EXCEEDS 30 MPH
CR 134	800	1,200	MEETS OR EXCEEDS 30 MPH
FM 455	4,800	6,700	MEETS OR EXCEEDS 40 MPH
BUS 289	3,100	4,200	MEETS OR EXCEEDS 30 MPH
FM 1461	2,900	4,000	MEETS OR EXCEEDS 40 MPH
CR 48/CR 81	1,400	2,000	MEETS OR EXCEEDS 30 MPH
FM 1193	3,100	4,200	MEETS OR EXCEEDS 40 MPH
CR 78/E 1st ST	1,800	2,500	MEETS OR EXCEEDS 30 MPH
CR 60	-	-	MEETS OR EXCEEDS 20 MPH (RR CROSSING)
ALL OTHERS	-	-	MEETS OR EXCEEDS 30 MPH

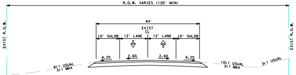
Source of data: Texas Department of Transportation,
Programming and Planning Division Memorandum
March 27, 2006


SH 289 CL STA 5+00.00
BEGIN PROJECT
BEGIN CSJ: 0091-03-022
SH 289 CL STA 129+00.00
END CSJ: 0091-03-022
BEGIN CSJ: 0091-03-021
SH 289 CL STA 303+05.00
END CSJ: 0091-03-021
BEGIN CSJ: 0091-04-050
SH 289 CL STA 691+00.00
END PROJECT
END CSJ: 0091-04-050
GRAYSON CO.
FANNIN CO.
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
COLLIN CO.
MARILEE
CELINA
WESTON
ANNA
WESTMINSTER
BLUE RIDGE
MELISSA
PROSPER
FRISCO
MC KINNEY
PRINCETON
FARMERSVILLE
FAIRVIEW
ALLEN
LUCAS
PARKER
PLANO
MURPHY
WYLIE
LAKE LAVON
LAVON
NEVADA
JOSEPHINE
COPEVILLE

VICINITY MAP

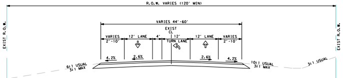
COLLIN COUNTY
SCALE 0 1 2 3 4 5 6 MILES
DISTRICT 18

BEGIN STATION	END STATION	CSJ	FUNCT. CLASS	DESIGN SPEED
5+00.00	129+00.00	0091-03-022	RURAL	60 MPH
129+00.00	303+05.00	0091-03-021	URBAN	45 MPH
303+05.00	691+00.00	0091-04-050	URBAN	45 MPH


R.O.W. VARIES (120' MIN)
EXIST R.O.W.
44'
EXIST CL
10' SHLDR
12' LANE
12' LANE
10' SHLDR
4.2%
2.6%
2.6%
4.2%
6:1 USUAL
3:1 MAX
10:1 USUAL
3:1 MAX
3:1 USUAL

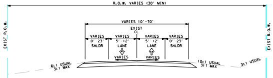
EXISTING ROADWAY TYPICAL SECTION

BEGIN PROJECT TO STA 297+20
STA 312+50 TO STA 368+43
STA 385+85 TO STA 523+50
STA 539+00 TO STA 625+30
STA 653+00 TO END PROJECT


R.O.W. VARIES (120' MIN)
EXIST R.O.W.
VARIES 44'-60'
EXIST CL
VARIES 2'-10'
12' LANE
4'
12' TURN LANE
12' LANE
VARIES 2'-10'
4.2%
2.6%
2.6%
4.2%
6:1 USUAL
3:1 MAX
10:1 USUAL
3:1 MAX
3:1 USUAL

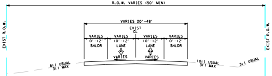
EXISTING ROADWAY TYPICAL SECTION

STA 297+20 TO STA 312+50
STA 368+43 TO STA 385+85
STA 523+50 TO STA 539+00
STA 625+30 TO STA 653+00


R.O.W. VARIES (30' MIN)
EXIST R.O.W.
VARIES 10'-70'
EXIST CL
VARIES 0'-23' SHLDR
VARIES 5'-12' LANE
VARIES 5'-12' LANE
VARIES 0'-23' SHLDR
VARIES
VARIES
6:1 USUAL
3:1 MAX
10:1 USUAL
3:1 MAX
3:1 USUAL

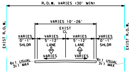
EXISTING CROSS STREET TYPICAL SECTION
ASPHALT PAVING

CR 107	CR 94	ASH	CR 83	HICKORY CREEK
CR 60	SHADE TREE	CR 91	FM 1461	FM 1193
CR 106	MALLONE	CR 55	CR 81	CR 78
BUS 289	FM 455	CR 53	CR 48	CRAIG
CR 134	ELM	CR 88	PASEWARK	CR 73


R.O.W. VARIES (50' MIN)
EXIST R.O.W.
VARIES 20'-48'
EXIST CL
VARIES 0'-12' SHLDR
VARIES 10'-12' LANE
VARIES 10'-12' LANE
VARIES 0'-12' SHLDR
VARIES
VARIES
6:1 USUAL
3:1 MAX
10:1 USUAL
3:1 MAX
3:1 USUAL

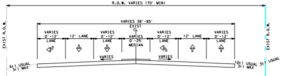
EXISTING CROSS STREET TYPICAL SECTION
CONCRETE PAVING

LAKE VIEW	CR 77
CR 98	BRIDGEPORT
CHANDLER	


R.O.W. VARIES (30' MIN)
EXIST R.O.W.
VARIES 10'-26'
EXIST CL
VARIES 0'-1' SHLDR
VARIES 5'-12' LANE
VARIES 5'-12' LANE
VARIES 0'-1' SHLDR
VARIES
VARIES
6:1 USUAL
3:1 MAX
6:1 USUAL
3:1 MAX

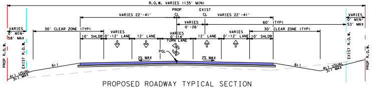
EXISTING CROSS STREET TYPICAL SECTION
UNPAVED

CR 102	CR 99	KINNEY
CR 105	CR 95	CR 1211
CR 100	JAMES	CR 89


R.O.W. VARIES (70' MIN)
EXIST R.O.W.
VARIES 38'-85'
EXIST CL
VARIES 0'-12' LANE
12' LANE
VARIES 0'-12' LANE
VARIES 0'-25' MEDIAN
VARIES 0'-12' LANE
12' LANE
VARIES 0'-12' LANE
VARIES
VARIES
6:1 USUAL
3:1 MAX
10:1 USUAL
3:1 MAX
3:1 USUAL

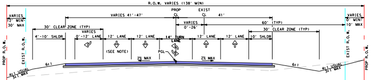
EXISTING CROSS STREET TYPICAL SECTION
CONCRETE PAVING w/ MEDIAN

CR 96
CARTER RANCH
STONE CREEK


R.O.W. VARIES (135' MIN)
PROP CL
EXIST CL
VARIES 22'-41'
VARIES 22'-41'
VARIES 0'-26'
60' (TYP)
30' CLEAR ZONE (TYP)
30' CLEAR ZONE (TYP)
VARIES 0' MIN-58' MAX
VARIES 0' MIN-53' MAX
10' SHLDR
VARIES 0'-12' LANE
12' LANE
VARIES 0'-14' TURN LANE
12' LANE
VARIES 0'-12' LANE
10' SHLDR
PGL
2% MAX
2% MAX
6:1
6:1
4:1 USUAL
3:1 MAX
PROP R.O.W.
EXIST R.O.W.

PROPOSED ROADWAY TYPICAL SECTION
4 LANE RURAL w/ CONTINUOUS LEFT-TURN LANE

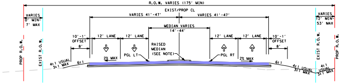
BEGIN PROJECT TO STA 88+48
STA 97+37 TO STA 124+50


R.O.W. VARIES (138' MIN)
PROP CL
EXIST CL
VARIES 41'-47'
41'
VARIES 0'-26'
60' (TYP)
30' CLEAR ZONE (TYP)
30' CLEAR ZONE (TYP)
VARIES 12' MIN-30' MAX
VARIES 0' MIN-10' MAX
4'-10' SHLDR
VARIES 0'-12' LANE
12' LANE
(SEE NOTE)
12' LANE
14' TURN LANE
12' LANE
12' LANE
10' SHLDR
PGL
2% MAX
2% MAX
6:1
6:1
4:1 USUAL
3:1 MAX
PROP R.O.W.
EXIST R.O.W.

PROPOSED ROADWAY TYPICAL SECTION
4 LANE RURAL w/ RIGHT-TURN LANE

STA 88+48 TO STA 97+37

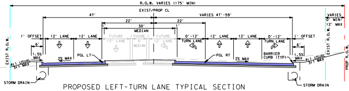
NOTE: THRU LANE STRIPED CLOSED
STA 9+65 TO STA 18+10


R.O.W. VARIES (175' MIN)
EXIST/PROP CL
VARIES 41'-47'
VARIES 41'-47'
MEDIAN VARIES 14'-44'
VARIES 0' MIN-7' MAX
VARIES 12' MIN-53' MAX
10'-1' OFFSET
8'
12' LANE
12' LANE
RAISED MEDIAN (SEE NOTE)
PGL LT
PGL RT
12' LANE
12' LANE
10'-1' OFFSET
8'
2% MAX
2% MAX
6:1
6:1
4:1 USUAL
3:1 MAX
PROP R.O.W.
EXIST R.O.W.

PROPOSED ROADWAY TYPICAL SECTION
TRANSITION 4 LANE RURAL TO 4 LANE URBAN

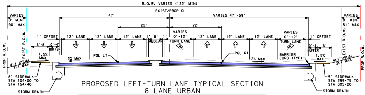
STA 124+50 TO STA 129+00

NOTE: RAISED ASPHALT MEDIAN
STA 127+90 TO STA 129+00


R.O.W. VARIES (175' MIN)
EXIST/PROP CL
47'
VARIES 47'-59'
22'
22'
1'
30' MEDIAN
1'
VARIES 0' MIN-12' MAX
1' OFFSET
6'
12' LANE
12' LANE
FUTURE 12' LANE
1' FUTURE 6' MEDIAN 1'
FUTURE 12' LANE
0'-12' TURN LANE
12' LANE
12' LANE
0'-12' TURN LANE
1' OFFSET
6'
1.5% MAX
2% MAX
PGL LT
PGL RT
2% MAX
BARRIER CURB (TYP)
1.5% MAX
4:1 USUAL
3:1 MAX
STORM DRAIN
STORM DRAIN
EXIST R.O.W.
PROP R.O.W.

PROPOSED LEFT-TURN LANE TYPICAL SECTION
4 LANE URBAN

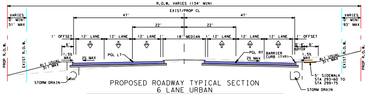
STA 129+00 TO STA 134+04


R.O.W. VARIES (132' MIN)
EXIST/PROP CL
47'
VARIES 47'-59'
22'
22'
VARIES 0' MIN-96' MAX
VARIES 0' MIN-51' MAX
1' OFFSET
6'-8'
0'-4' BUFFER
12' LANE
12' LANE
12' LANE
1' 6' MEDIAN 1'
0'-12' TURN LANE
12' LANE
12' LANE
12' LANE
0'-12' TURN LANE
1' OFFSET
0'-4' BUFFER
6'
1.5% MAX
2% MAX
PGL LT
PGL RT
2% MAX
BARRIER CURB (TYP)
1.5% MAX
4:1 USUAL
3:1 MAX
8' SIDEWALK
STA 104+00 TO
STA 154+40
STORM DRAIN
5' SIDEWALK
STA 299+75 TO
STA 305+20
STORM DRAIN
PROP R.O.W.
EXIST R.O.W.

PROPOSED LEFT-TURN LANE TYPICAL SECTION
6 LANE URBAN

STA 134+04 TO STA 159+36	STA 320+07 TO STA 330+48	STA 467+43 TO STA 477+71
STA 175+60 TO STA 185+75	STA 338+95 TO STA 349+45	STA 561+05 TO STA 571+95
STA 254+70 TO STA 265+45	STA 367+66 TO STA 383+45	STA 605+67 TO STA 611+84
STA 275+26 TO STA 292+93	STA 413+67 TO STA 424+43	STA 615+25 TO STA 635+29
STA 299+75 TO STA 312+30	STA 440+29 TO STA 450+63	STA 649+55 TO STA 659+91

NOTE: SB LEFT TURN AS SHOWN
REVERSE SECTION FOR
NB LEFT TURN.


R.O.W. VARIES (134' MIN)
EXIST/PROP CL
47'
47'
22'
22'
VARIES 0' MIN-51' MAX
VARIES 0' MIN-93' MAX
1' OFFSET
6'
12' LANE
12' LANE
12' LANE
1'
18' MEDIAN
1'
12' LANE
12' LANE
12' LANE
1' OFFSET
0'-4' BUFFER
6'
1.5% MAX
2% MAX
PGL LT
PGL RT
2% MAX
BARRIER CURB (TYP)
1.5% MAX
4:1 USUAL
3:1 MAX
STORM DRAIN
5' SIDEWALK
STA 293+60 TO
STA 299+75
STORM DRAIN
PROP R.O.W.
EXIST R.O.W.

PROPOSED ROADWAY TYPICAL SECTION
6 LANE URBAN

STA 159+36 TO STA 175+60	STA 330+48 TO STA 338+95	STA 477+71 TO STA 520+80
STA 185+75 TO STA 254+70	STA 349+45 TO STA 367+66	STA 539+24 TO STA 561+05
STA 265+45 TO STA 275+26	STA 383+45 TO STA 413+67	STA 571+95 TO STA 576+40
STA 292+93 TO STA 299+75	STA 424+43 TO STA 440+29	STA 592+62 TO STA 605+67
STA 312+30 TO STA 320+07	STA 450+63 TO STA 467+43	STA 611+84 TO STA 615+25
		STA 659+91 TO STA 687+30

NOTES:

1. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE TOWN OF PROSPER AND THE CITY OF CELINA.

2. THE WSE SHOWN AT EACH CULVERT IS BASED ON A 25 YEAR STORM EVENT.

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JOSEPH W. ATWOOD	65631	02-20-09
Type or Print Name	PE#	Date

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T.B.P.E. Firm # 2614

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Texas Department of Transportation

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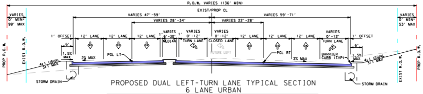
DALLAS DISTRICT
SH 289
COLLIN COUNTY
DESIGN SCHEMATIC

ROLL 3 of 7

DESIGNED: -	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CHECKED: -	6	TEXAS	SEE TITLE SHEET			SH 289
DRAWN: -	STATE DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
CHECKED: -	DALLAS	COLLIN	0091	03	021	

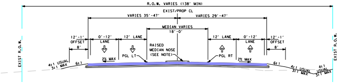
ETC.


R.O.W. VARIES (136' MIN)
EXIST/PROP CL
VARIES 47'-59'
VARIES 28'-34'
VARIES 22'-28'
VARIES 59'-71'
VARIES 0' MIN- 99' MAX
VARIES 0' MIN- 53' MAX
1' OFFSET
12' LANE
VARIES 6'-30' MEDIAN
VARIES 0'-12' TURN LANE
VARIES 0'-12' CLOSED LANE
FUTURE LEFT
PGL LT
PGL RT
2% MAX
1.5% MAX
6'
4:1 USUAL 3:1 MAX
BARRIER CURB (TYP)
STORM DRAIN
PROP R.O.W.
EXIST R.O.W.

PROPOSED DUAL LEFT-TURN LANE TYPICAL SECTION 6 LANE URBAN

STA 520+80 TO STA 539+24
STA 576+40 TO STA 592+62
STA 635+29 TO STA 649+55

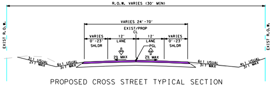
NOTE: SB LEFT TURN AS SHOWN. REVERSE SECTION FOR NB LEFT TURN.


R.O.W. VARIES (138' MIN)
EXIST/PROP CL
VARIES 35'-47'
VARIES 29'-47'
MEDIAN VARIES 18'-0'
12'-1' OFFSET 8'
0'-12' LANE
12' LANE
RAISED MEDIAN NOSE (SEE NOTE)
PGL LT
PGL RT
2% MAX
6:1
4:1 USUAL 3:1 MAX
EXIST R.O.W.

PROPOSED ROADWAY TYPICAL SECTION TRANSITION 4 LANE URBAN TO 2 LANE RURAL

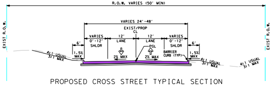
STA 687+30 TO END PROJECT

NOTE: RAISED ASPHALT MEDIAN NOSE STA 687+30 TO STA 687+39


R.O.W. VARIES (30' MIN)
VARIES 24'-70'
EXIST/PROP CL
VARIES 0'-23' SHLDR
12' LANE
PGL
2% MAX
3:1 USUAL 2:1 MAX
6:1 USUAL 3:1 MAX
4:1 USUAL 3:1 MAX
EXIST R.O.W.

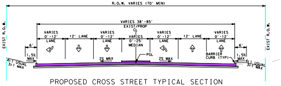
PROPOSED CROSS STREET TYPICAL SECTION ASPHALT PAVING

CR 107	CR 94	ASH	CR 83	HICKORY CREEK
CR 60	SHADE TREE	CR 91	FM 1461	FM 1193
CR 106	MALLONE	CR 55	CR 81	CR 78
BUS 289	FM 455	CR 53	CR 48	CRAIG
CR 134	ELM	CR 88	PASEWARK	CR 73


R.O.W. VARIES (50' MIN)
VARIES 24'-48'
EXIST/PROP CL
VARIES 0'-12' SHLDR
12' LANE
6'
1.5% MAX
PGL
2% MAX
BARRIER CURB (TYP)
4:1 USUAL 3:1 MAX
EXIST R.O.W.

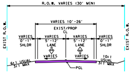
PROPOSED CROSS STREET TYPICAL SECTION CONCRETE PAVING

LAKE VIEW	CR 77
CR 98	BRIDGEPORT
CHANDLER	


R.O.W. VARIES (70' MIN)
VARIES 38'-85'
EXIST/PROP CL
VARIES 0'-12' LANE
12' LANE
VARIES 0'-25' MEDIAN
6'
1.5% MAX
PGL
2% MAX
BARRIER CURB (TYP)
4:1 USUAL 3:1 MAX
EXIST R.O.W.

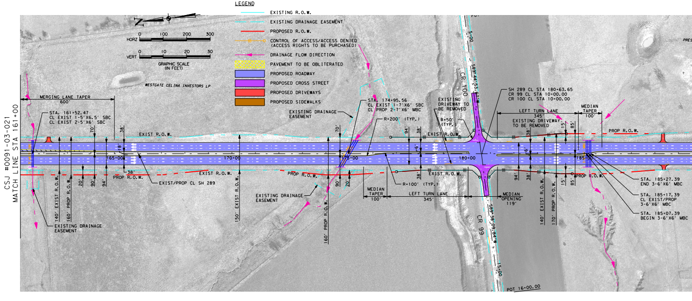
PROPOSED CROSS STREET TYPICAL SECTION CONCRETE PAVING w/ MEDIAN

CR 96
CARTER RANCH
STONE CREEK

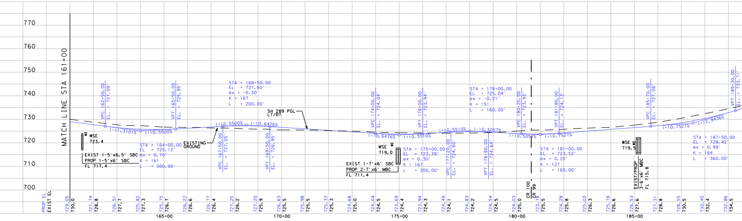

R.O.W. VARIES (30' MIN)
VARIES 10'-26'
EXIST/PROP CL
VARIES 0'-1' SHLDR
VARIES 5'-12' LANE
VARIES
PGL
6:1 USUAL 3:1 MAX
10:1 USUAL 3:1 MAX
EXIST R.O.W.

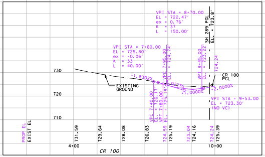
PROPOSED CROSS STREET TYPICAL SECTION ASPHALT PAVING

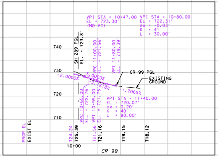
CR 102	CR 99	KINNEY*
CR 105	CR 95	CR 1211
CR 100	JAMES*	CR 89*

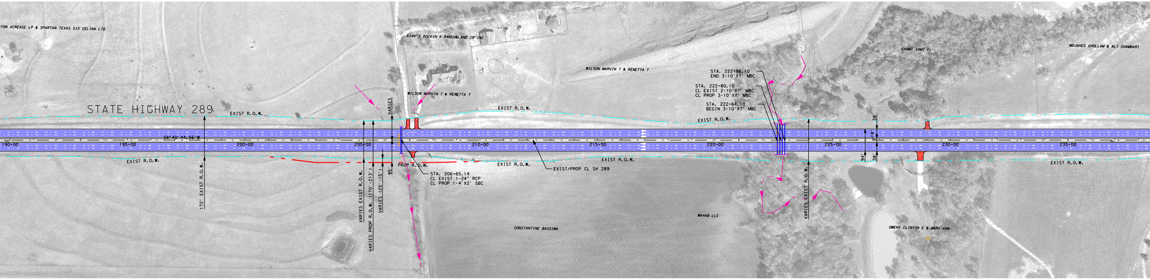

N
HORZ 0 100 200 300
VERT 0 10 20 30
GRAPHIC SCALE (IN FEET)
WESTGATE CELINA INVESTORS LP
CSJ #0091-03-021
MATCH LINE STA 161+00
MERGING LANE TAPER 600'
STA. 161+52.47 CL EXIST 1-5'X6.5' SBC CL EXIST 2-5'X6' SBC
EXIST R.O.W.
PROP R.O.W.
EXIST/PROP CL SH 289
165+00
170+00
175+00
180+00
185+00
STA. 174+95.56 CL EXIST 1-7'X6' SBC CL PROP 2-7'X6' MBC
EXISTING DRAINAGE EASEMENT
R=200' (TYP.)
R=100' (TYP.)
R=50' (TYP.)
EXISTING DRIVEWAY TO BE REMOVED
CR 100
CR 99
S89°44'53.67"W
N89°60'38.68"W
5+00
15+00
POT 16+00.00
SH 289 CL STA 180+63.65 CR 99 CL STA 10+00.00 CR 100 CL STA 10+00.00
LEFT TURN LANE 345'
MEDIAN TAPER 100'
MEDIAN OPENING 119'
EXISTING DRIVEWAY TO BE REMOVED
STA. 185+27.39 END 3-6'X6' MBC
STA. 185+17.39 CL EXIST/PROP 3-6'X6' MBC
STA. 185+07.39 BEGIN 3-6'X6' MBC
140' EXIST R.O.W.
160' PROP R.O.W.
150' EXIST R.O.W.
170' PROP R.O.W.
70'
38'
18'
20'
90'
94'
85'

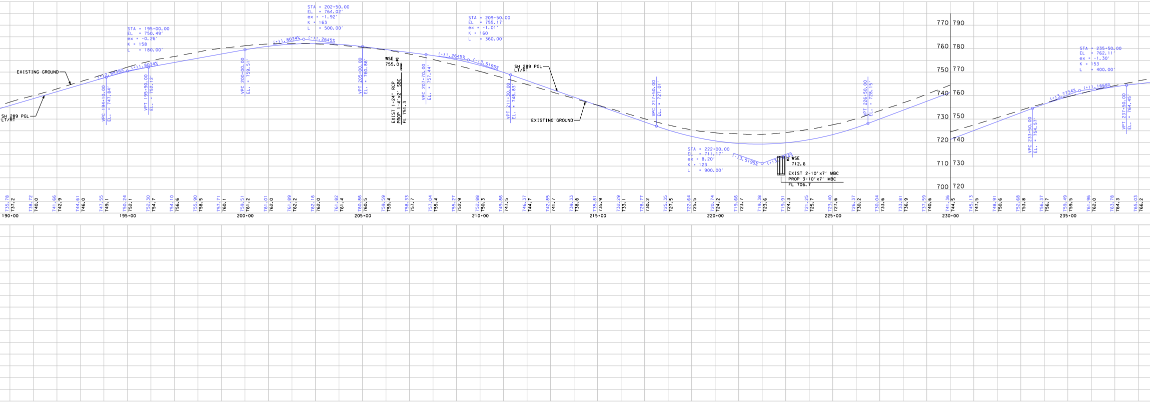
LEGEND
- EXISTING R.O.W.
- EXISTING DRAINAGE EASEMENT
- PROPOSED R.O.W.
- CONTROL OF ACCESS/ACCESS DENIED (ACCESS RIGHTS TO BE PURCHASED)
- DRAINAGE FLOW DIRECTION
- ▨ PAVEMENT TO BE OBLITERATED
- 🟦 PROPOSED ROADWAY
- 🟪 PROPOSED CROSS STREET
- 🟥 PROPOSED DRIVEWAYS
- 🟫 PROPOSED SIDEWALKS

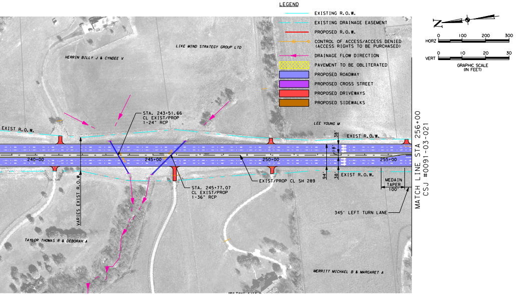


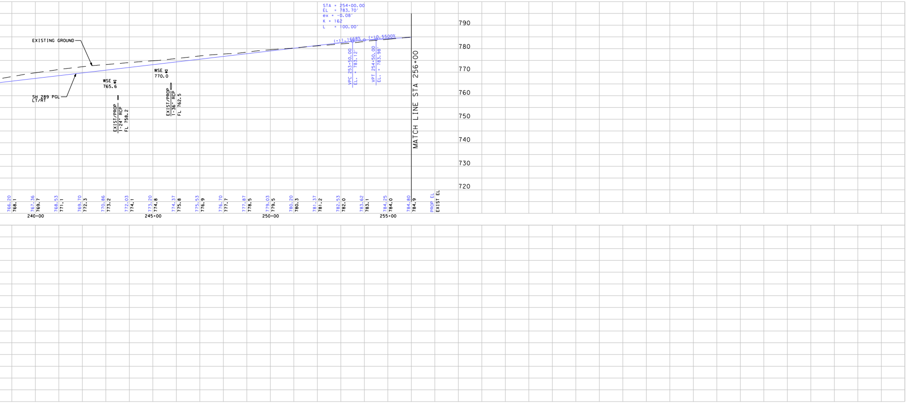


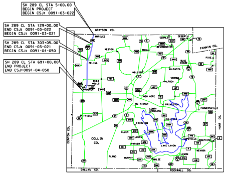



STATE HIGHWAY 289
TON ACREAGE LP & SPARTAN TEXAS SIX CELINA LTD
KIRK'S ROCKIN K RANCH&LAND CO INC
WILSON MARVIN T & RENETTA T
WILSON MARVIN T & RENETTA T
CHAMI SAMI EL
MOJAHED GHOLLAM & ALI GHAMBARI
CONSTANTINE BASSIMA
WAHAB LLC
OWENS CLINTON E & MARY ANN
S6°40'44.56"W
190+00
195+00
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
EXIST R.O.W.
EXIST R.O.W.
EXIST R.O.W.
EXIST R.O.W.
EXIST R.O.W.
EXIST R.O.W.
EXIST R.O.W.
PROP R.O.W.
172' EXIST R.O.W.
VARIES EXIST R.O.W.
VARIES PROP R.O.W. (170'-213')
VARIES (25'-15')
VARIES
95'
VARIES EXIST R.O.W.
38'
18'
94'
38'
STA. 206+65.14
CL EXIST 1-24" RCP
CL PROP 1-4'X2' SBC
EXIST/PROP CL SH 289
STA. 222+96.10
END 3-10'X7' MBC
STA. 222+80.10
CL EXIST 2-10'X7' MBC
CL PROP 3-10'X7' MBC
STA. 222+64.10
BEGIN 3-10'X7' MBC


STA = 195+00.00
EL = 750.49'
ex = -0.26'
K = 158
L = 180.00'
STA = 202+50.00
EL = 764.02'
ex = -1.92'
K = 163
L = 500.00'
STA = 209+50.00
EL = 755.17'
ex = -1.01'
K = 160
L = 360.00'
STA = 222+00.00
EL = 711.17'
ex = 8.20'
K = 123
L = 900.00'
STA = 235+50.00
EL = 762.11'
ex = -1.30'
K = 153
L = 400.00'
(+)2.9436%
(+)1.8034%
(+)1.8034%
(-)1.2645%
(-)1.2645%
(-)3.5195%
(-)3.5195%
(+)3.7734%
(+)3.7734%
(+)1.1668%
EXISTING GROUND
EXISTING GROUND
SH 289 PGL LT/RT
SH 289 PGL LT/RT
VPC 194+10.00 EL. = 747.84'
VPT 195+90.00 EL. = 752.12'
VPC 200+00.00 EL. = 759.51'
VPT 205+00.00 EL. = 760.86'
VPC 207+70.00 EL. = 757.44'
VPT 211+30.00 EL. = 748.83'
VPC 217+50.00 EL. = 727.01'
VPT 226+50.00 EL. = 728.15'
VPC 233+50.00 EL. = 754.57'
VPT 237+50.00 EL. = 764.45'
WSE
755.0
EXIST 1-24" RCP
PROP 1-4'x2' SBC
FL 751.3
WSE
712.6
EXIST 2-10'x7' MBC
PROP 3-10'x7' MBC
FL 706.7
770 790
760 780
750 770
740 760
730 750
720 740
710 730
700 720
735.78 737.2
738.72 740.0
741.66 742.9
744.61 746.0
747.55 749.1
750.24 752.1
752.30 754.7
754.10 756.6
755.90 758.5
757.71 760.1
759.51 761.2
761.01 762.0
761.89 762.2
762.16 762.0
761.82 761.4
760.86 760.5
759.59 759.4
758.33 757.7
757.04 755.4
755.27 752.9
752.88 750.3
749.86 747.5
746.37 744.7
742.85 741.7
739.33 738.8
735.81 735.9
732.29 733.1
728.77 730.2
725.35 727.5
722.64 725.5
720.74 724.2
719.66 723.7
719.38 723.6
719.91 724.3
721.25 725.7
723.40 727.6
726.37 730.2
730.04 733.6
733.81 736.9
737.59 740.6
741.36 744.5
745.13 747.5
748.91 750.6
752.68 753.8
756.37 756.7
759.49 759.5
761.96 762.0
763.78 764.3
765.03 766.2
190+00
195+00
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00


LEGEND
EXISTING R.O.W.
EXISTING DRAINAGE EASEMENT
PROPOSED R.O.W.
CONTROL OF ACCESS/ACCESS DENIED (ACCESS RIGHTS TO BE PURCHASED)
DRAINAGE FLOW DIRECTION
PAVEMENT TO BE OBLITERATED
PROPOSED ROADWAY
PROPOSED CROSS STREET
PROPOSED DRIVEWAYS
PROPOSED SIDEWALKS
N
HORZ 0 100 200 300
VERT 0 10 20 30
GRAPHIC SCALE (IN FEET)
LIKE MIND STRATEGY GROUP LTD
HERRIN BILLY J & CYNDEE V
LEE YOUNG M
TAYLOR THOMAS R & DEBORAH A
MERRITT MICHAEL B & MARGARET A
EXIST R.O.W.
STA. 243+51.66 CL EXIST/PROP 1-24" RCP
STA. 245+77.07 CL EXIST/PROP 1-36" RCP
EXIST/PROP CL SH 289
VARIES EXIST R.O.W.
240+00
245+00
250+00
255+00
38'
18'
94'
MEDAIN TAPER 100'
345' LEFT TURN LANE
MATCH LINE STA 256+00
CSJ #0091-03-021




SH 289 CL STA 5+00.00
BEGIN PROJECT
BEGIN CSJ: 0091-03-022
SH 289 CL STA 129+00.00
END CSJ: 0091-03-022
BEGIN CSJ: 0091-03-021
SH 289 CL STA 303+05.00
END CSJ: 0091-03-021
BEGIN CSJ: 0091-04-050
SH 289 CL STA 691+00.00
END PROJECT
END CSJ:0091-04-050
GRAYSON CO.
FANNIN CO.
HUNT CO.
DENTON CO.
DALLAS CO.
ROCKWALL CO.
COLLIN CO.
CELINA
PROSPER
FRISCO
PLANO
MC KINNEY
ALLEN
LAKE LAVON

VICINITY MAP

COLLIN COUNTY
SCALE 0 1 2 3 4 5 6 MILES
DISTRICT 18

BEGIN STATION	END STATION	CSJ	FUNCT. CLASS	DESIGN SPEED
5+00.00	129+00.00	0091-03-022	RURAL	60 MPH
129+00.00	303+05.00	0091-03-021	URBAN	45 MPH
303+05.00	691+00.00	0091-04-050	URBAN	45 MPH

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Texas Department of Transportation

DALLAS DISTRICT
WILLIAM L. HALE P.E.,
DISTRICT ENGINEER

COLLIN COUNTY

DESIGN SCHEMATIC
SH 289
PROJECT LENGTH: 12.992 MILES (68,600')

CSJ #0091-03-022
LIMITS: 500' NORTH OF GRAYSON CR 60
(GRAYSON COUNTY LINE)
TO BUS 289
LENGTH: 2.348 MILES

CSJ #0091-03-021
LIMITS: BUS 289 TO FM 455
LENGTH: 3.297 MILES

CSJ #0091-04-050
LIMITS: FM 455 TO 1/4 MILE NORTH OF US 380
LENGTH: 7.347 MILES

DESIGN SPEED: 60 MPH (RURAL)
45 MPH (URBAN)
40 MPH (FM STREETS)
30 MPH (CR & LOCAL STREETS)
20 MPH (CR 60)
FUNCTIONAL CLASS: RURAL AND URBAN PRINCIPAL ARTERIAL
ROLL 3 of 7

FEBRUARY 2009

ROADWAY	2010 ADT	2030 ADT	DESIGN SPEED
SH 289 (RURAL)	20,100	31,000	MEETS OR EXCEEDS 60 MPH
SH 289 (URBAN)	20,100	31,000	MEETS OR EXCEEDS 45 MPH
BUS 289	2,800	3,400	MEETS OR EXCEEDS 30 MPH
CR 134	800	1,200	MEETS OR EXCEEDS 30 MPH
FM 455	4,800	6,700	MEETS OR EXCEEDS 40 MPH
BUS 289	3,100	4,200	MEETS OR EXCEEDS 30 MPH
FM 1461	2,900	4,000	MEETS OR EXCEEDS 40 MPH
CR 48/CR 81	1,400	2,000	MEETS OR EXCEEDS 30 MPH
FM 1193	3,100	4,200	MEETS OR EXCEEDS 40 MPH
CR 78/E 1st ST	1,800	2,500	MEETS OR EXCEEDS 30 MPH
CR 60	-	-	MEETS OR EXCEEDS 20 MPH (RR CROSSING)
ALL OTHERS	-	-	MEETS OR EXCEEDS 30 MPH

Source of data: Texas Department of Transportation, Programming and Planning Division Memorandum March 27, 2006

NOTES:

1. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE TOWN OF PROSPER AND THE CITY OF CELINA.

2. THE WSE SHOWN AT EACH CULVERT IS BASED ON A 25 YEAR STORM EVENT.

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Texas Department of Transportation

lan
Lockwood, Andrews
& Newnam, Inc.
A LEO A DALY COMPANY

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Dallas, TX 75206
www.lan-inc.com
Phone 214.522.8778
Fax 214.526-4433

DALLAS DISTRICT
SH 289
COLLIN COUNTY
DESIGN SCHEMATIC

ROLL 3 of 7

DESIGNED: -	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CHECKED: -	6	TEXAS	SEE TITLE SHEET			SH 289
DRAWN: -	STATE DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
CHECKED: -	DALLAS	COLLIN	0091	03	021	

ETC.