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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

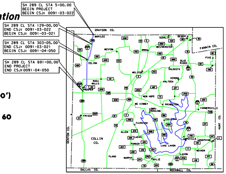
CSJ #0091-04-050
LIMITS: FM 455 TO 1/4 MILE NORTH OF US 380
LENGTH: 7.347 MILES

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 4 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

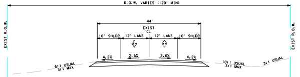
Source of data: Texas Department of Transportation,
Programming and Planning Division Memorandum
March 27, 2006


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.
MARILEE
WESTON
SEDALIA
DESERT
WESTMINSTER
ANNA
FANNIN CO.
CELINA
PIKE
BLUE RIDGE
MELISSA
VALDASTA
VERONA
WEST
ALTOGA
RHEA MILLS
PROSPER
NEW HOPE
MC KINNEY
PRINCETON
FARMERSVILLE
LOWRY CROSSING
FRISCO
CULLEOKA
FAIRVIEW
DENTON CO.
COLLIN CO.
HUNT CO.
ALLEN
LUCAS
COPEVILLE
JOSEPHINE
PARKER
LAKE LAVON
NEVADA
PLANO
MURPHY
LAVON
WYLIE
DALLAS CO.
ROCKWALL CO.

VICINITY MAP

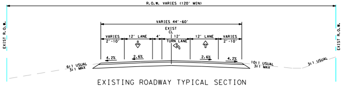
COLLIN COUNTY
SCALE 0 1 2 3 4 5 6 MILES
DISTRICT 18

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
EXIST R.O.W.

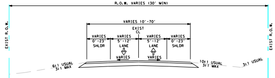
EXISTING ROADWAY TYPICAL SECTION

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
EXIST R.O.W.

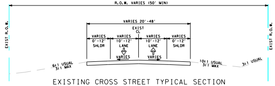
EXISTING ROADWAY TYPICAL SECTION

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
EXIST R.O.W.

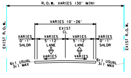
EXISTING CROSS STREET TYPICAL SECTION
ASPHALT PAVING

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
EXIST R.O.W.

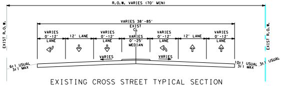
EXISTING CROSS STREET TYPICAL SECTION
CONCRETE PAVING

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
EXIST R.O.W.

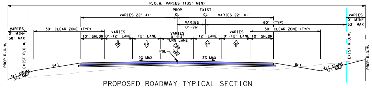
EXISTING CROSS STREET TYPICAL SECTION
UNPAVED

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
EXIST R.O.W.

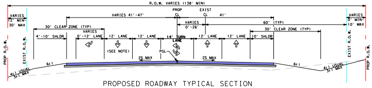
EXISTING CROSS STREET TYPICAL SECTION
CONCRETE PAVING w/ MEDIAN

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)
VARIES 0' MIN-58' MAX
VARIES 0' MIN-53' MAX
30' CLEAR ZONE (TYP)
30' CLEAR ZONE (TYP)
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
4:1 USUAL 3:1 MAX
PROP R.O.W.
EXIST R.O.W.
EXIST R.O.W.
PROP R.O.W.

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

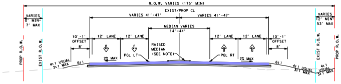
BEGIN PROJECT TO STA 88+48
STA 97+37 TO STA 124+50


R.O.W. VARIES (138' MIN)
PROP CL
EXIST CL
VARIES 41'-47'
41'
VARIES 0'-26'
60' (TYP)
VARIES 12' MIN-30' MAX
VARIES 0' MIN-10' MAX
30' CLEAR ZONE (TYP)
30' CLEAR ZONE (TYP)
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
4:1 USUAL 3:1 MAX
PROP R.O.W.
EXIST R.O.W.
EXIST R.O.W.
PROP R.O.W.

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

STA 88+48 TO STA 97+37

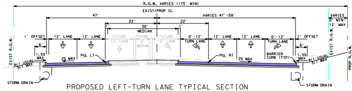
NOTE: THRU LANE STRIPED CLOSED
STA 9+65 TO STA 18+10


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

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

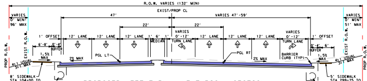
STA 124+50 TO STA 129+00

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 1' 6' MEDIAN
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
4:1 USUAL 3:1 MAX
STORM DRAIN
STORM DRAIN
EXIST R.O.W.
EXIST R.O.W.
PROP R.O.W.

PROPOSED LEFT-TURN LANE TYPICAL SECTION
4 LANE URBAN

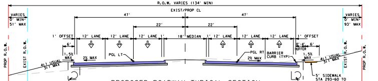
STA 129+00 TO STA 134+04


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
12' LANE
12' LANE
12' LANE
1' 6' MEDIAN 1'
VARIES 0'-12' TURN LANE
12' LANE
12' LANE
12' LANE
VARIES 0'-12' TURN LANE
1' OFFSET
6'-8'
0'-4' BUFFER
1.5% MAX
2% MAX
PGL LT
PGL RT
2% MAX
BARRIER CURB (TYP)
0'-4' BUFFER
6'
1.5% MAX
4:1 USUAL 3:1 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.
EXIST R.O.W.
PROP 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 SHOW
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
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.
EXIST R.O.W.
PROP 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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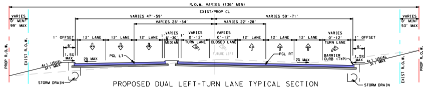
DALLAS DISTRICT
SH 289
COLLIN COUNTY
DESIGN SCHEMATIC

ROLL 4 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	

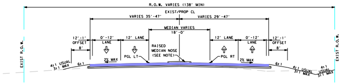
ETC.


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
VARIES 0'-12' TURN LANE
PGL LT
PGL RT
2% MAX
1.5% MAX
BARRIER CURB (TYP)
4:1 USUAL 3:1 MAX
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

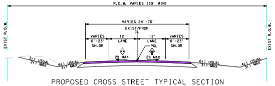
NOTE: SB LEFT TURN AS SHOWN.
REVERSE SECTION FOR
NB LEFT TURN.


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

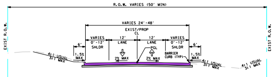
STA 687+30 TO END PROJECT

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.

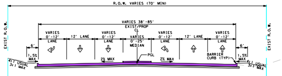
PROPOSED CROSS STREET TYPICAL SECTION
ASPHALT PAVING

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.

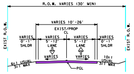
PROPOSED CROSS STREET TYPICAL SECTION
CONCRETE PAVING

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.

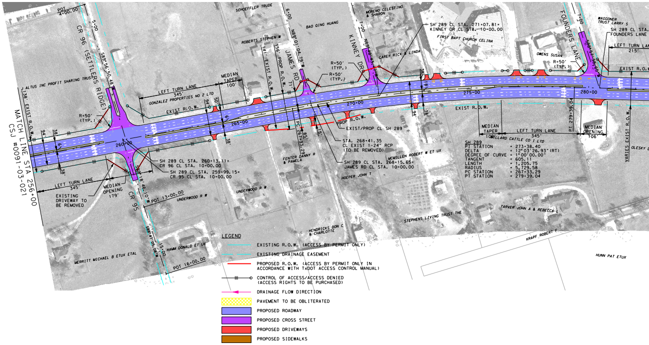
PROPOSED CROSS STREET TYPICAL SECTION
CONCRETE PAVING w/ MEDIAN

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.

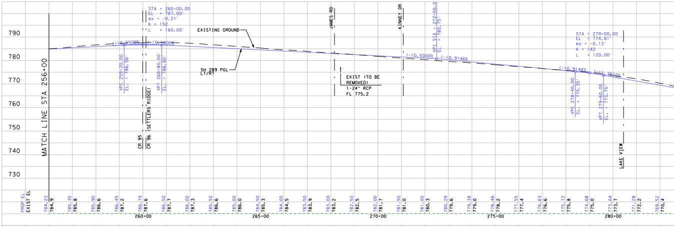
PROPOSED CROSS STREET TYPICAL SECTION
ASPHALT PAVING

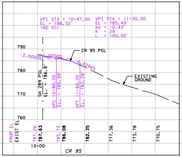
CR 102	CR 99	KINNEY*
CR 105	CR 95	CR 1211
CR 100	JAMES*	CR 89*


MATCH LINE STA 256+00
CSJ #0091-03-021
CR 96 (SETTLERS RIDGE)
CR 95
JAMES RD
KINNEY DR
FOUNDERS LANE
SH 289 CL STA. 260+13.11= CR 96 CL STA. 10+00.00
SH 289 CL STA. 259+99.15= CR 95 CL STA. 10+00.00
SH 289 CL STA. 268+15.65= JAMES RD CL STA. 10+00.00
SH 289 CL STA. 271+07.81= KINNEY DR CL STA. 10+00.00
STA. 268+41.35 CL EXIST 1-24" RCP (TO BE REMOVED)
EXIST/PROP CL SH 289
PROP R.O.W.
EXIST R.O.W.
LEFT TURN LANE 345'
MEDIAN TAPER 100'
MEDIAN OPENING 179'
MEDIAN OPENING 106'
EXISTING DRIVEWAY TO BE REMOVED
R=50' (TYP.)
SH 289
PI STATION = 273+38.40
DELTA = 12°03'26.93" (RT)
DEGREE OF CURVE = 1°00'00.00"
TANGENT = 605.11
LENGTH = 1,205.75
RADIUS = 5,729.58
PC STATION = 267+33.29
PT STATION = 279+39.04
260+00
265+00
270+00
275+00
280+00
POT 4+00.00
POT 13+00.00
POT 16+00.00
FIRST BAPT CHURCH CELINA
GONZALEZ PROPERTIES NO 2 LTD
J ALTUS INC PROFIT SHARING TRUST
UNDERWOOD R W
HENDRICKS DON C & CHARLOTTE
STEPHENS LIVING TRUST THE
TARVER JOHN A & REBECCA L
WILLARD CATTLE CO I LTD
MERRITT MICHAEL B ETUX ETAL
HAMM DONALD ET UX
FENTER DANNY R & PAMELA
MCMILLEN ROBERT W ET UX
HOEPER JOHN T
KRAPF ROBERT F
HUNN PAT ETUX

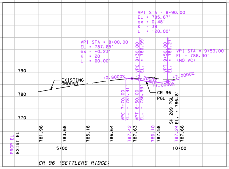
LEGEND

—	EXISTING R.O.W. (ACCESS BY PERMIT ONLY)
— —	EXISTING DRAINAGE EASEMENT
—	PROPOSED R.O.W. (ACCESS BY PERMIT ONLY IN ACCORDANCE WITH TxDOT ACCESS CONTROL MANUAL)
—|||—○	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

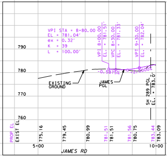




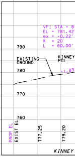
CR 95



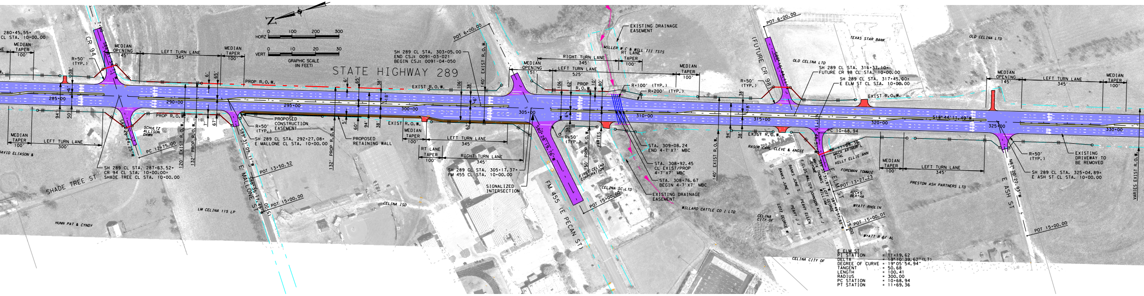
CR 96 (SETTLERS RIDGE)



JAMES RD

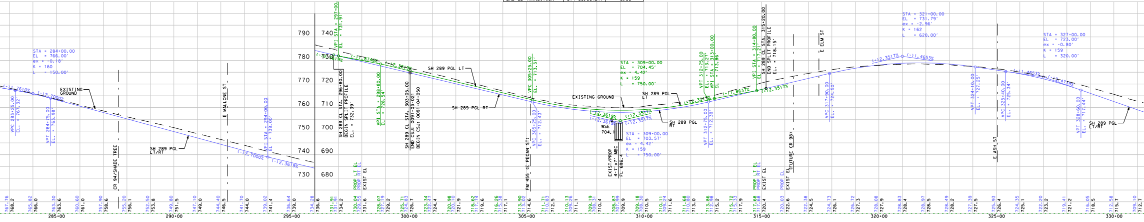


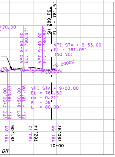
KINNEY

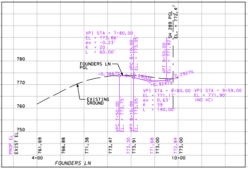

STATE HIGHWAY 289
HORZ 0 100 200 300
VERT 0 10 20 30
GRAPHIC SCALE (IN FEET)
SH 289 CL STA. 303+05.00
END CSJ: 0091-03-021
BEGIN CSJ: 0091-04-050
SH 289 CL STA. 287+63.52=
CR 94 CL STA. 10+00.00=
SHADE TREE CL STA. 10+00.00
SH 289 CL STA. 292+27.08=
E MALLONE CL STA. 10+00.00
SH 289 CL STA. 305+17.37=
FM 455 CL STA. 10+00.00
SH 289 CL STA. 316+37.10=
FUTURE CR 98 CL STA. 10+00.00
SH 289 CL STA. 317+45.00=
E ELM ST CL STA. 10+00.00
SH 289 CL STA. 325+04.89=
E ASH ST CL STA. 10+00.00
STA. 309+08.24
END 4-7'X7' MBC
STA. 308+92.45
CL EXIST/PROP
4-7'X7' MBC
STA. 308+76.67
BEGIN 4-7'X7' MBC
EXISTING DRAINAGE EASEMENT
PROPOSED CONSTRUCTION EASEMENT
PROPOSED RETAINING WALL
SIGNALIZED INTERSECTION
EXISTING DRIVEWAY TO BE REMOVED
MEDIAN OPENING 145'
LEFT TURN LANE 345'
MEDIAN TAPER 100'
RIGHT TURN LANE 345'
PROP R.O.W.
EXIST R.O.W.
CR 94
SHADE TREE ST
E MALLONE ST
FM 455 (E PECAN ST)
(FUTURE CR 98)
E ELM ST
E ASH ST
CELINA ISD
TEXAS STAR BANK
OLD CELINA LTD
PRESTON ASH PARTNERS LTD
WILLARD CATTLE CO I LTD
CELINA CITY OF
LM CELINA 115 LP
HUNN PAT & CYNDY
DAVID ELLASON &
S18°44'11.49"W

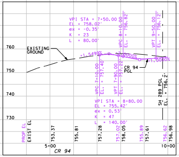
E ELM ST
PI STATION = 11+19.62
DELTA = 19°10'39.62"(LT)
DEGREE OF CURVE = 19°05'54.94"
TANGENT = 50.68
LENGTH = 100.41
RADIUS = 300.00
PC STATION = 10+68.94
PT STATION = 11+69.36

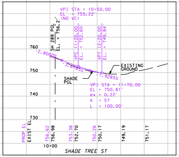
NORTHBOUND CROSS SLOPE TRANSITION TABLE		
EVENT	STATION	CROSS SLOPE
BEGIN SE TRANSITION	297+00.00(LT)	-2.00
END SE TRANSITION	298+80.00(LT)	+2.00
BEGIN SE TRANSITION	313+00.00(LT)	+2.00
END SE TRANSITION	314+80.00(LT)	-2.00

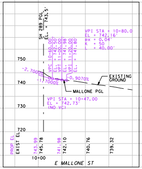

SH 289 PGL LT
SH 289 PGL RT
SH 289 PGL LT/RT
EXISTING GROUND
SH 289 CL STA. 296+80.00
BEGIN SPLIT PROFILE
EL. = 732.39'
SH 289 CL STA. 315+20.00
END SPLIT PROFILE
EL. = 718.15'
SH 289 CL STA. 303+05.00
END CSJ: 0091-03-021
BEGIN CSJ: 0091-04-050
STA = 309+00.00
EL = 704.45'
ex = 4.42'
K = 159
L = 750.00'
EXIST/PROP 4-7'X7' MBC
FL 696.4
CR 94/SHADE TREE
E MALLONE ST
FM 455 (E PECAN ST)
(FUTURE CR 98)
E ELM ST
E ASH ST
285+00
290+00
295+00
300+00
305+00
310+00
315+00
320+00
325+00
330+00

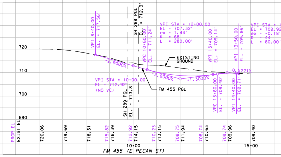


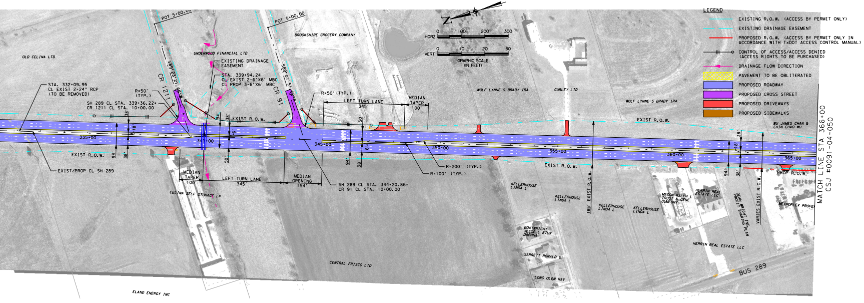

FOUNDERS LN PGL
EXISTING GROUND
SH 289 PGL
FOUNDERS LN

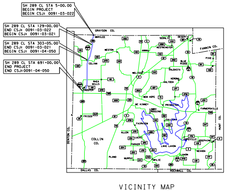

EXISTING GROUND
CR 94 PGL
SH 289 PGL
CR 94


SHADE PGL
EXISTING GROUND
SH 289 PGL
SHADE TREE ST


MALLONE PGL
EXISTING GROUND
SH 289 PGL
E MALLONE ST


FM 455 PGL
EXISTING GROUND
SH 289 PGL
FM 455 (E PECAN ST)


POT 5+00.00
POT 5+00.00
OLD CELINA LTD
UNDERWOOD FINANCIAL LTD
BROOKSHIRE GROCERY COMPANY
EXISTING DRAINAGE EASEMENT
STA. 339+94.24
CL EXIST 2-6'X6' MBC
CL PROP 3-6'X6' MBC
STA. 332+09.95
CL EXIST 2-24" RCP
(TO BE REMOVED)
R=50' (TYP.)
SH 289 CL STA. 339+36.22=
CR 1211 CL STA. 10+00.00
CR 1211
CR 91
S89°23'21.66"W
S89°07'51.52"W
R=50' (TYP.)
LEFT TURN LANE 345'
MEDIAN TAPER 100'
EXIST R.O.W.
335+00
340+00
345+00
350+00
355+00
360+00
365+00
94'
38'
18'
6'
50'
EXIST R.O.W.
EXIST/PROP CL SH 289
MEDIAN TAPER 100'
LEFT TURN LANE 345'
MEDIAN OPENING 154'
SH 289 CL STA. 344+20.86=
CR 91 CL STA. 10+00.00
R=200' (TYP.)
R=100' (TYP.)
CELINA SELF STORAGE LP
CENTRAL FRISCO LTD
ELAND ENERGY INC
HORZ 0 100 200 300
VERT 0 10 20 30
GRAPHIC SCALE (IN FEET)
WOLF LYNNE S BRADY IRA
GURLEY LTD
WOLF LYNNE S BRADY IRA
KELLERHOUSE LINDA L
KELLERHOUSE LINDA L
KELLERHOUSE LINDA L
KELLERHOUSE LINDA L
185' EXIST R.O.W.
BOATWRIGHT JESSE L ETUX DAPHNA
SARRETT RONALD D
LONG OLEN RAY
MASON RALPH L TRUST & GENE GUMFORY
HERRIN REAL ESTATE LLC
HERRIN REAL ESTATE LLC
DEAN WRIGHT INC PROFIT SHARING PLAN
VARIES EXIST R.O.W.
METROPLEX PROPE
WU JAMES CHAN & CHIN CHAO WU
PROP R.O.W.
BUS 289
MATCH LINE STA 366+00
CSJ #0091-04-050
LEGEND
EXISTING R.O.W. (ACCESS BY PERMIT ONLY)
EXISTING DRAINAGE EASEMENT
PROPOSED R.O.W. (ACCESS BY PERMIT ONLY IN ACCORDANCE WITH TxDOT ACCESS CONTROL MANUAL)
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


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.
CELINA
PROSPER
FRISCO
COLLIN CO.
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
PLANO
MURPHY
WYLIE
LAKE LAVON
NEVADA
JOSEPHINE

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')

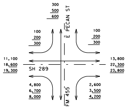
CSJ #0091-03-022
LIMITS: 500' NORTH OF GRAYSON CR 60
(GRAYSON COUNTY LINE)
TO BUS 289
LENGTH: 2.348 MILES

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 4 of 7

FEBRUARY 2009


300
500
600
E PECAN ST
100
200
300
100
200
300
11,100
18,600
19,300
SH 289
13,800
22,300
23,800
4,800
6,700
8,000
FM 455
2,600
3,500
4,200

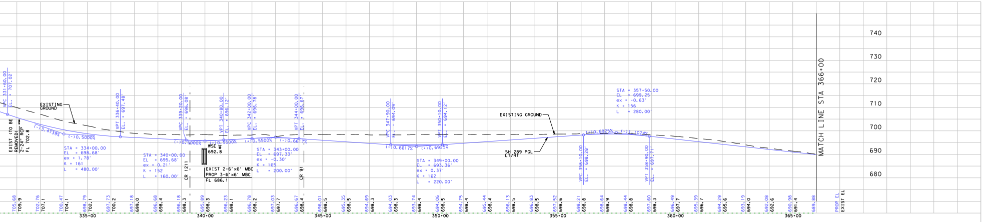
TRAFFIC VOLUME LEGEND*

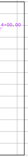
1,000 YEAR 2010
1,000 YEAR 2030
1,000 YEAR 2040

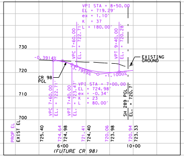
*Source of data: Texas Department of Transportation
Transportation, Programming and Planning Division Memorandum
March 27, 2006

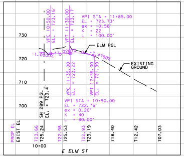
ROADWAY	2010 ADT	2030 ADT	DESIGN SPEED
SH 289 (RURAL)	20,100	31,000	MEETS OR EXCEEDS 60 MPH
SH 289 (URBAN)	20,100	31,000	MEETS OR EXCEEDS 45 MPH
BUS 289	2,800	3,400	MEETS OR EXCEEDS 30 MPH
CR 134	800	1,200	MEETS OR EXCEEDS 30 MPH
FM 455	4,800	6,700	MEETS OR EXCEEDS 40 MPH
BUS 289	3,100	4,200	MEETS OR 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

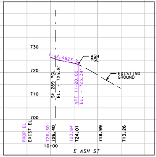
Source of data: Texas Department of Transportation,
Programming and Planning Division Memorandum
March 27, 2006

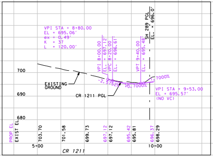


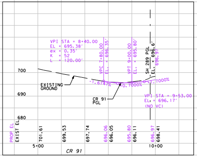












NOTES:

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

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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 4 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.