TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017

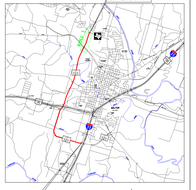
FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA PROVIDED BASED ON TRAM DEVELOPMENT PROJECTIONS APPROVED BY TxDOT TPAP DIVISION OCTOBER 17, 2016	SL 121 FROM FM 439 TO SPARTA RD	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	16,400(2,870)	7,800(11,420)
DIRECTIONAL DISTRIBUTION (%)	50-47	52-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1



PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-00691

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83260 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

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DESIGN SCHEMATIC FOR SL 121
BEGIN PROJECT TO STA 891+00

COUNTY: BELL
DATE: OCTOBER 2018

ROLL 1 OF 6

SCALE: 1"=100' HOR
1"= 10' VERT

SCALE IN FEET

GENERAL NOTES

1. AERIAL IMAGES SHOWN WERE OBTAINED FROM: https://tnris.org, http://www.pdmaps.org/HTML/datasets.html, 2015.
2. EXISTING TOPOGRAPHY AND PLANIMETRICS SHOWN WERE PROVIDED FROM SURVEY BY CORRONDONA & ASSOC., INC., JANUARY 5, 2017.
3. EXISTING RIGHT-OF-WAY AND PARCEL BOUNDARIES SHOWN WERE PROVIDED FROM SURVEY BY LINA T. RAMEY & ASSOCIATES, JANUARY 5, 2017.
4. PARCEL NUMBERS AND OWNERSHIP DATA SHOWN WERE OBTAINED FROM THE BELL COUNTY TAX APPRAISAL DISTRICT, OCTOBER 17, 2016.

HORIZONTAL ALIGNMENT CURVE DATA

CURVE SL121,CL1	
PI STATION	= 854+84.23
DELTA	= 5° 11' 31.35"
DEGREE OF CURVE	= 2° 12' 00.00"
TANGENT	= 206.59
LENGTH	= 408.42
PC STATION	= 852+77.64
PT STATION	= 856+86.06

CURVE SL121,CL2	
PI STATION	= 871+75.25
DELTA	= 11° 30' 00.00"
DEGREE OF CURVE	= 3° 30' 00.00"
TANGENT	= 305.26
LENGTH	= 609.19
PC STATION	= 868+69.99
PT STATION	= 874+79.21

SL 121 TRAFFIC PROJECTIONS FROM FM 439 TO SPARTA RD

TYPICAL TURN LANE LENGTHS
LEFT AND RIGHT TURN LANES

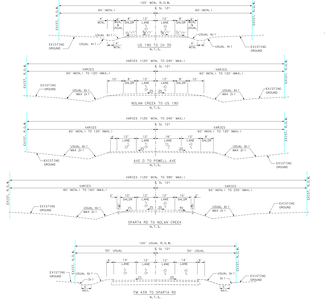
425'	100'
525'	150'
625'	200'

NOTE: THE LANES FOLLOW THE CURBING IMPROVED UNDER UNLESS NOTED OTHERWISE ON PLAN VIEWS

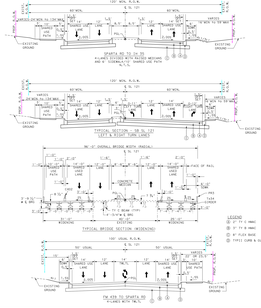
LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED BRIDGE
- PROPOSED IMPROVEMENT BY OTHERS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED RETAINING WALL
- PARCEL BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- 123456 PARCEL I.D. NUMBER
- APPROXIMATE CITY LIMITS
- TRAFFIC DIRECTIONAL ARROWS
- PROPOSED RAISED MEDIAN
- EXISTING TOPOGRAPHY

EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS



PROPERTY OWNERSHIP TABLE

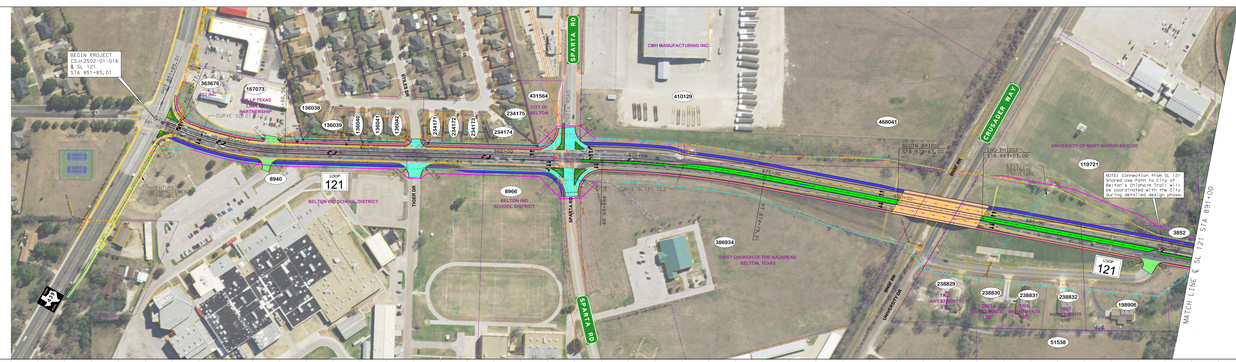
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 - NORTHBOUND

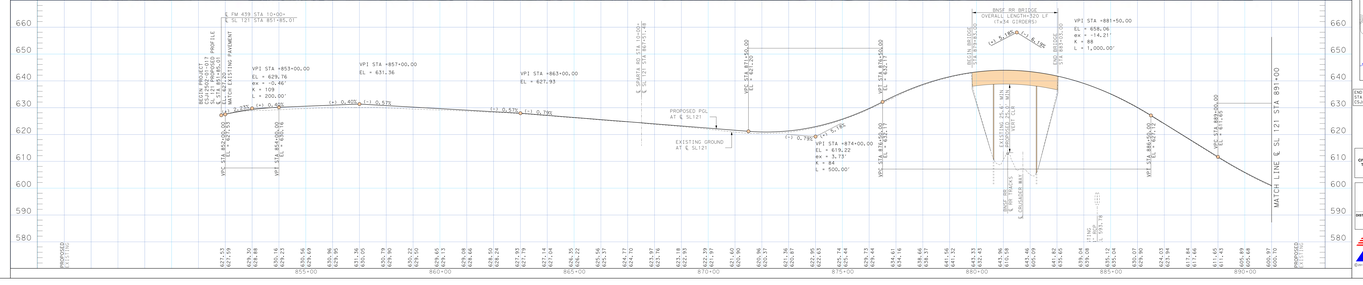
ID NO.	OWNER
3852	HILLIARD, JERRY M ETUX REBECCA
119721	UNIVERSITY OF MARY HARDIN BAYLOR
136038	DAUDE, PATRICIA M ETVIR
136039	MUCHA, RONALD LEE
136040	BROWN, PHILLIP ETUX CHRISTINE
136041	ROMERO, FELIXBERTO G & CHONA R
136042	BREWER BOOOL, JAN SHIRLY
167073	4SK LP TEXAS LIMITED PARTNERSHIP
234177	FASOLINO, EDWARD ETUX DEBORAH J
234178	AHLERSMEYER, WILLIAM H ETUX TINA L
234179	CONFIDENTIAL OWNER
234174	BARNARD, WILLIAM O ETUX NICOLE M
234175	HILL, CALEB & RACHEL
363676	JL22 INCORPORATED
410129	CMH MANUFACTURING INC
431564	CITY OF BELTON
468041	CMH MANUFACTURING INC

PROPERTY OWNERSHIP TABLE

Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 - SOUTHBOUND

ID NO.	OWNER
8940	BELTON IND SCHOOL DISTRICT
8966	BELTON IND SCHOOL DISTRICT
51538	HOOD, EARON MRS
198906	WHITES, BARBARA
238829	TRIO INVESTMENTS LTD
238830	TRIO INVESTMENTS LTD
238831	TRIO INVESTMENTS LTD
238832	TRIO INVESTMENTS LTD
386934	FIRST CHURCH OF THE NAZARENE BELTON TEXAS





TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017

FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA PROVIDED BASED ON TRAM DEVELOPMENT PROJECTIONS APPROVED BY TxDOT TPAP DIVISION OCTOBER 17, 2016	SL 121 FROM FM 439 TO SPARTA RD	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	16,400(2,870)	7,800(11,420)
DIRECTIONAL DISTRIBUTION (%)	50-47	52-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-00691

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83260 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

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DESIGN SCHEMATIC FOR SL 121
BEGIN PROJECT TO STA 891+00

COUNTY: BELL
DATE: OCTOBER 2018

ROLL 1 OF 6

TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017

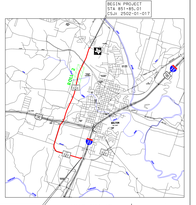
FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA PROJECTIONS BASED ON TEXAS DEPARTMENT OF TRANSPORTATION APPROVED BY TxDOT TPAP DIVISION OCTOBER 10, 2016	SL 121 FROM FM 439 TO SH 195 EBFR	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC - 2017(2037)	16,400(23,870)	7,850(11,420)
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1



PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-00691

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83200 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

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COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 891+00 TO STA 935+00

ROLL 2 OF 6

SCALE: 1"=100' HOR
1"= 10' VERT
SCALE IN FEET

GENERAL NOTES

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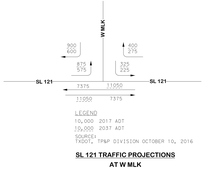
4. PARCEL NUMBERS AND OWNERSHIP DATA SHOWN WERE OBTAINED FROM THE BELL COUNTY TAX APPRAISAL DISTRICT, OCTOBER 17, 2016.

LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED BRIDGE
- PROPOSED IMPROVEMENT BY OTHERS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED RETAINING WALL
- PARCEL BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- 123456 PARCEL I.D. NUMBER
- APPROXIMATE CITY LIMITS
- TRAFFIC DIRECTIONAL ARROWS
- PROPOSED RAISED MEDIAN
- EXISTING TOPOGRAPHY



SL 121 TRAFFIC PROJECTIONS AT W MLK

HORIZONTAL ALIGNMENT CURVE DATA

CURVE SL121_CL3	
PI STATION	= 904+39.47
DELTA	= 5°00' 00.00"
DEGREE OF CURVE	= 1° 00' 00.00"
TANGENT	= 671.37
LENGTH	= 1,341.00
RADIUS	= 5,729.58
PC STATION	= 897+68.40
PT STATION	= 911+09.40

PROPERTY OWNERSHIP TABLE
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Dated: OCTOBER 17, 2016
SL 121 - NORTHBOUND

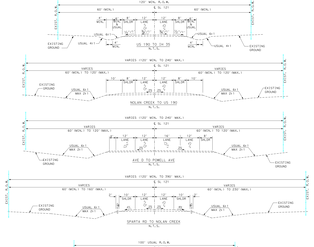
ID NO.	OWNER
12920	ANDERSON, BRUCE W ETUX ALANA M
37026	HILLARD, JERRY W ETUX REBECCA
44388	UNIVERSITY OF MARY HARDIN BAYLOR
44389	UNIVERSITY OF MARY HARDIN BAYLOR
51535	DALBY, PERRY W ETUX BARBARA C
69112	UNIVERSITY OF MARY HARDIN BAYLOR
93210	ANDERSON, BRUCE W ETUX ALANA M
100173	FLOURO, BRIAN
119719	UNIVERSITY OF MARY HARDIN BAYLOR
316445	UNIVERSITY OF MARY HARDIN BAYLOR
317428	UNIVERSITY OF MARY HARDIN BAYLOR
460862	PAZZAGLIA, PEGGY
460863	CULP, H L & JANE

PROPERTY OWNERSHIP TABLE
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Dated: OCTOBER 17, 2016
SL 121 - SOUTHBOUND

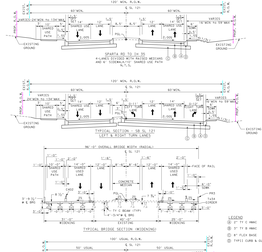
ID NO.	OWNER
3850	GRISMERE, BRENT U ETUX PAMELA D
51532	HOOD, EARON A
51538	HOOD, EARON MRS
132446	BREDLOVE, ANTONIO L ETUX PATRICIA L
136234	HALLBAUER, ALVIN OREN & WINNIE FERN REVOCABLE LIVING TRUST
465499	NOLAN CREEK DEVELOPMENT LP
465500	NOLAN CREEK DEVELOPMENT LP
465501	NOLAN CREEK DEVELOPMENT LP

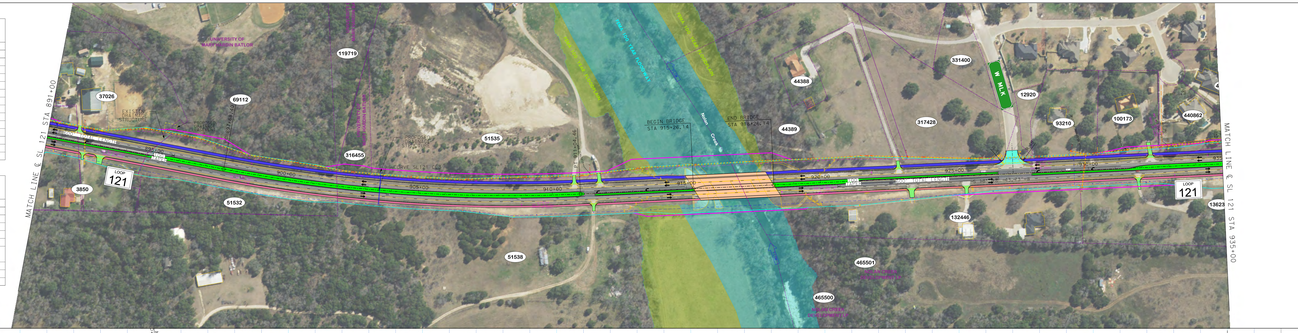
TYPICAL TURN LANE LENGTHS

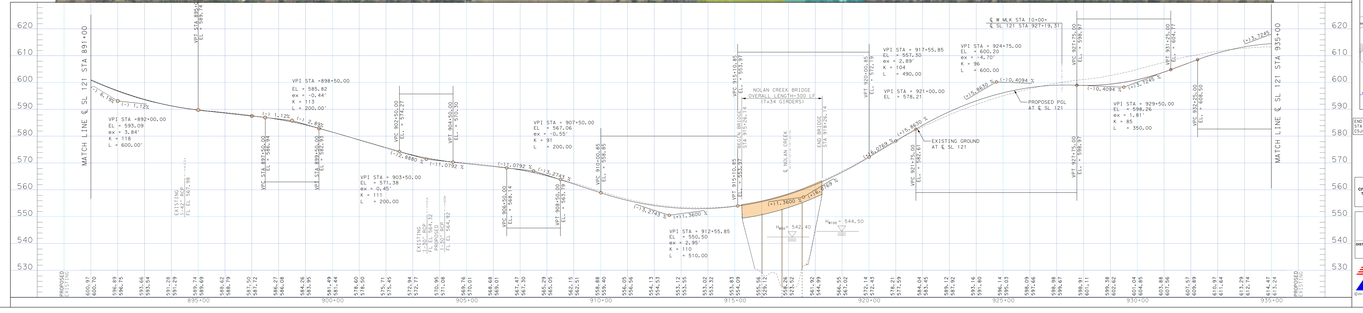
EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS






MATCH LINE ℄ SL 121 STA 891+00
MATCH LINE ℄ SL 121 STA 935+00
VPI STA +892+00.00
EL = 585.09
ex = 3.84
K = 118
L = 400.00'
VPI STA +898+50.00
EL = 585.82
ex = -0.44
K = 113
L = 200.00'
VPI STA +903+50.00
EL = 571.38
ex = 0.45
K = 111
L = 200.00
VPI STA +907+50.00
EL = 567.18
ex = -0.55
K = 111
L = 200.00
VPI STA +912+55.85
EL = 569.74
ex = 2.85
K = 110
L = 310.00
NOLAN CREEK BRIDGE
OVERALL LENGTH=300.12'
(1434 GIRDERS)
PROPOSED PGL
AT ℄ SL 121
EXISTING GROUND
AT ℄ SL 121
VPI STA = 917+55.85
EL = 580.50
ex = -2.89
K = 104
L = 490.00
VPI STA = 921+00.00
EL = 578.21
VPI STA = 924+75.00
EL = 600.20
ex = -6.70
K = 96
L = 600.00
VPI STA = 929+50.00
EL = 598.26
ex = 1.81
K = 85
L = 350.00
℄ W MLK STA 10+00=
℄ SL 121 STA 927+79.91
(1+10.4094 W)=(1+10.4094 S)
(1+10.4094 W)=(1+10.4094 S)
(1+0.8839 W)=(1+0.8839 S)
(1+0.7092 W)=(1+0.7092 S)
(1+0.7092 W)=(1+0.7092 S)
(1+0.7092 W)=(1+0.7092

TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017

FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC PROJECTIONS BASED ON TEXAS DEPARTMENT OF TRANSPORTATION APPROVED BY TxDOT TPAP DIVISION ON OCTOBER 17, 2016	SL 121 FROM FM 439 TO SH 317	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	16,300(2.67%)	7,800(1.63%)
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-3988(B)

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83260 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

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COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 935+00 TO STA 980+00

ROLL 3 OF 6

SCALE: 1"=100' HOR
1"= 10' VERT
SCALE IN FEET

GENERAL NOTES

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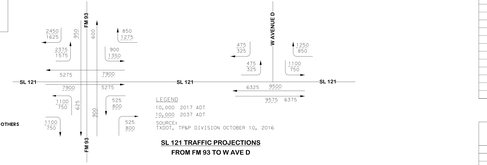
LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED BRIDGE
- PROPOSED IMPROVEMENT BY OTHERS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED RETAINING WALL
- PARCEL BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- 123456 PARCEL I.D. NUMBER
- APPROXIMATE CITY LIMITS
- TRAFFIC DIRECTIONAL ARROWS
- PROPOSED RAISED MEDIAN
- EXISTING TOPOGRAPHY

HORIZONTAL ALIGNMENT CURVE DATA

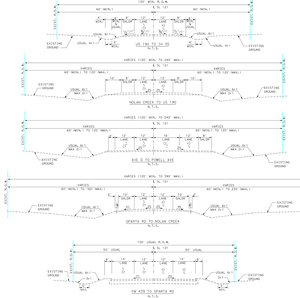
CURVE SL121_CL4	
PI STATION	= 945+96.91
DELTA	= 1.50°
DEGREE OF CURVE	= 11° 50' 00.00"
RADIUS	= 484.51'
LENGTH	= 126.79'
PT STATION	= 947+23.70

CURVE SL121_CL5	
PI STATION	= 977+50.02
DELTA	= 1.50°
DEGREE OF CURVE	= 11° 50' 00.00"
RADIUS	= 484.51'
LENGTH	= 126.79'
PT STATION	= 979+77.30

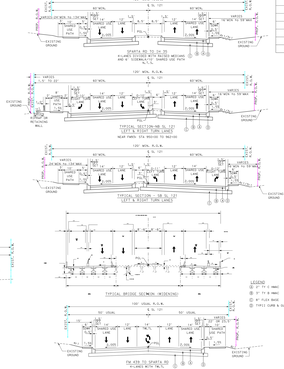


SL 121 TRAFFIC PROJECTIONS FROM FM 93 TO W AVE D

EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS



PROPERTY OWNERSHIP TABLE

Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 : NORTHBOUND

ID NO.	OWNER
39490	SFHK LLC
44418	IM, TOK SOO
96848	RATLIFF, JANICE MARIE G
111026	CAST, DON H ETUX JUDY
241775	BELTON HWY 93/LOOP 121 PARTNERSHIP LTD
241776	SHINE BRANCH LLC
396563	SFHK LLC
408736	BRENTHAM, JERRY D ETUX DONNIE L
408737	LEGION, DAVID K ETUX JANET
416066	CITY OF BELTON
434511	TEMPLETON, JANICE DONETTE
460862	PAZZAGLIA, PEGGY
460863	CULP, M L & JANE
465860	RABERN INDUSTRIES LTD
465861	COLONIAL CROSSING COMPANY LTD

PROPERTY OWNERSHIP TABLE

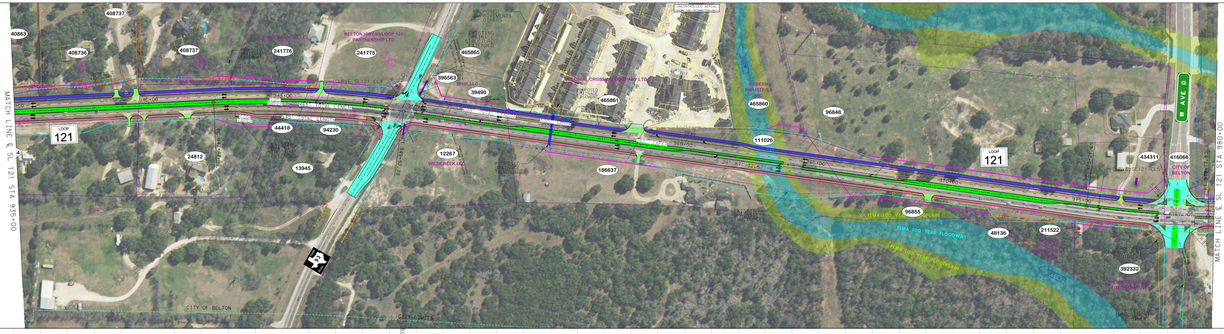
Date: OCTOBER 17, 2016
SL 121 : SOUTHBOUND

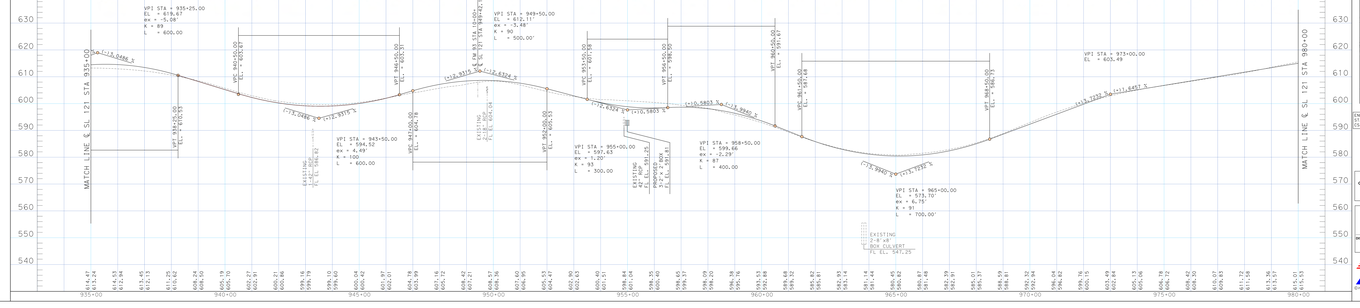
ID NO.	OWNER
12267	WILDCREEK LLC
24812	BISHOP, AARON VAN III & ANGELA MAE
44418	IM, TOK SOO
94230	BISHOP, AARON VAN III & ANGELA MAE
96855	RATLIFF, JANICE MARIE
136234	HALLBRAUER, ALVIN DREN & MONNIE FERN REVOCABLE LIVING TRUST
186637	PLATKO, DONALD M ETUX MARTA L
211522	BELTON ECONOMIC DEVELOPMENT CORPORATION
392332	FIRST COMMUNITY TITLE COMPANY

TYPICAL TURN LANE LENGTHS

LEFT AND RIGHT TURN LANES

ALL TURN LANES FOLLOW THE LENGTHS INDICATED ABOVE UNLESS NOTED OTHERWISE ON PLAN VIEW





TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC
STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017
FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES
FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC PROJECTIONS BASED ON TEXAS DEPARTMENT OF TRANSPORTATION APPROVED BY TxDOT TPAP DIVISION ON OCTOBER 17, 2016	SL 121 FROM FM 439 TO SH 317	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	16,300(2.67%)	7,800(1.63%)
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-3988(B)

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83260 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

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COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 935+00 TO STA 980+00

ROLL 3 OF 6

TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2902-01-017

FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA PREPARED BASED ON TRAFFIC PROJECTIONS APPROVED BY TxDOT TP&P DIVISION ON OCTOBER 17, 2016	SL 121 FROM FM 439 TO I-35	SL 121 FROM US 190 EB/FR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	15,425/22,875	7,850/11,625
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

BEGIN PROJECT
STA 951+85.31
CSJ: 2902-01-017

END PROJECT
STA 1101+41.50
CSJ: 2902-01-017

PROJECT LOCATION
BELL COUNTY
WACO DISTRICT

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION NO. F-00001

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83200

DATE

CONCURRENCE

DISTRICT ENGINEER DATE | DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT DATE | AREA ENGINEER DATE

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Texas Department of Transportation

COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 980+00 TO STA 1024+00

ROLL 4 OF 6

TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2902-01-017

FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA PREPARED BASED ON TRAFFIC PROJECTIONS APPROVED BY TxDOT TP&P DIVISION ON OCTOBER 17, 2016	SL 121 FROM FM 439 TO I-35	SL 121 FROM US 190 EB/FR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	15,425/22,875	7,850/11,625
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

BEGIN PROJECT
STA 951+85.31
CSJ: 2902-01-017

END PROJECT
STA 1101+41.50
CSJ: 2902-01-017

PROJECT LOCATION
BELL COUNTY
WACO DISTRICT

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION NO. F-00001

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83200

DATE

CONCURRENCE

DISTRICT ENGINEER DATE | DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT DATE | AREA ENGINEER DATE

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Texas Department of Transportation

COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 980+00 TO STA 1024+00

ROLL 4 OF 6

SCALE: 1"=100' HOR
1"= 10' VERT

SCALE IN FEET

LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED BRIDGE
- PROPOSED IMPROVEMENT BY OTHERS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED RETAINING WALL
- PARCEL BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- 123456 PARCEL I.D. NUMBER
- APPROXIMATE CITY LIMITS
- TRAFFIC DIRECTIONAL ARROWS
- PROPOSED RAISED MEDIAN
- EXISTING TOPOGRAPHY

GENERAL NOTES

1. AERIAL IMAGES SHOWN WERE OBTAINED FROM: https://tnris.org, http://www.pdmaps.org/HTML/datasets.html, 2015.
2. EXISTING TOPOGRAPHY AND PLANIMETRICS SHOWN WERE PROVIDED FROM SURVEY BY CORRIGONDA & ASSOC., INC., JANUARY 9, 2017.
3. EXISTING RIGHT-OF-WAY AND PARCEL BOUNDARIES SHOWN WERE PROVIDED FROM SURVEY BY LINA T. RAMEY & ASSOCIATES, JANUARY 5, 2017.
4. PARCEL NUMBERS AND OWNERSHIP DATA SHOWN WERE OBTAINED FROM THE BELL COUNTY TAX APPRAISAL DISTRICT, OCTOBER 17, 2016.

HORIZONTAL ALIGNMENT CURVE DATA

CURVE SL121_CL6
PI STATION = 997+53.49
DELTA = 5°-27'-31.35"
DEGREE OF CURVE = 0°-27'-30.00"
LENGTH = 574.37
RADIUS = 12,100.00
PC STATION = 992+79.12
PT STATION = 998+53.49

CURVE SL121_CL7
PI STATION = 1009+19.45
DELTA = 0°-00'-00.00"
DEGREE OF CURVE = 0°-00'-00.00"
LENGTH = 116.89
RADIUS = 1,909.86
PC STATION = 1008+62.56
PT STATION = 1010+79.45

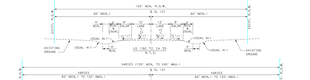
CURVE SL121_CL8
PI STATION = 1019+43.72
DELTA = 2°-27'-30.59"
DEGREE OF CURVE = 0°-27'-30.00"
LENGTH = 49.47
RADIUS = 12,100.00
PC STATION = 1019+18.98
PT STATION = 1019+68.45

SL 121 TRAFFIC PROJECTIONS FROM US 190 WBFR TO W AVE O

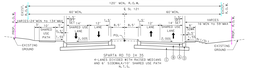
TYPICAL TURN LANE LENGTHS
(TEXT AND PAINT WORK)

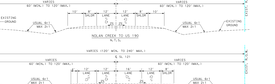
NOTE: ALL LANES TO BE 12' UNLESS NOTED
ABOVE UNLESS NOTED OTHERWISE ON PLAN VIEW

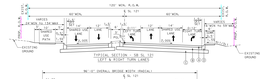
EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS







LEGEND
B = PT or BMC
E = PT or EMC
C = PCC CURB & GUTTER

PROPERTY OWNERSHIP TABLE

Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016

SL 121 - NORTHBOUND

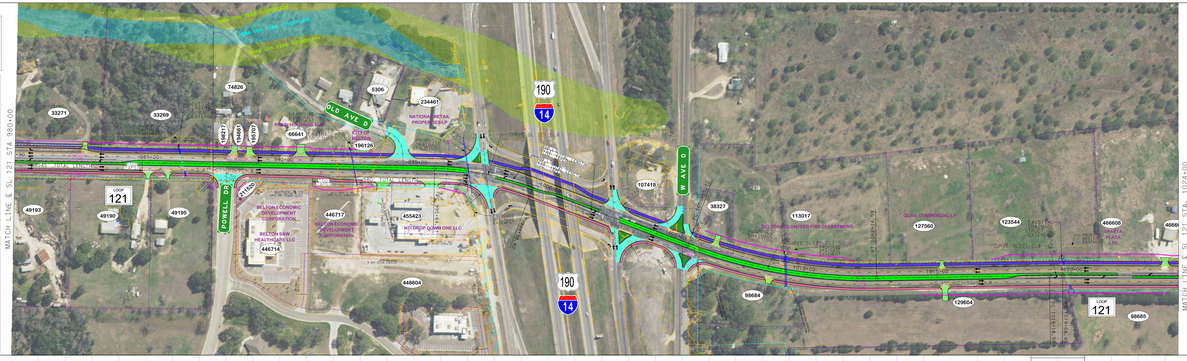
ID NO.	OWNER
33269	SCARBOROUGH, JUDITH ELZA
33271	SCARBOROUGH, JUDITH ELZA
38327	ALANIZ, LYDIA G
66641	REAIN HOLDINGS LLC
107418	SMITH, CECIL ETAL
113017	BELTON VOLUNTEER FIRE DEPARTMENT
123544	VINSON, SAM ETUX DIANE
127560	GAHL COMMERCIAL LP
194661	LOA, CONNIE M
195707	HERNANDEZ, DORA M
196126	CITY OF BELTON
196217	RODRIGUEZ, PAULINE M
234461	NATIONAL RETAIL PROPERTIES LP
466608	SPARTA PLAZA LTD
466609	REESE, ROBIN ETUX THERESA

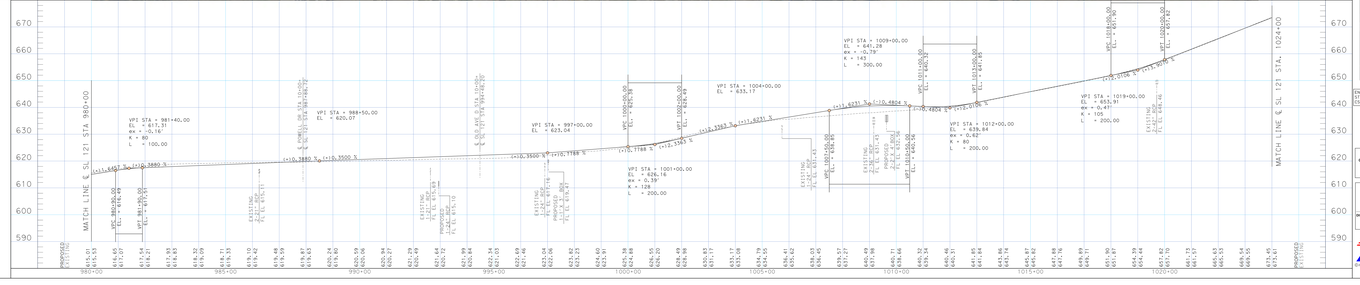
PROPERTY OWNERSHIP TABLE

Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016

SL 121 - SOUTHBOUND

ID NO.	OWNER
49190	HIBBELER, CLYDE COWLES
49195	HIBBELER, JAMES GRANT ETUX WANDA
49195	HIBBELER, SALLY JEAN
98684	RICHARDS, JOE
98685	RICHARDS, JOE JEFF
129604	RICHARDS, JOE
211520	BELTON ECONOMIC DEVELOPMENT CORPORATION
446714	BELTON S&W HEALTHCARE LLC
446717	BELTON ECONOMIC DEVELOPMENT CORPORATION
455423	NTI DROP DOWN ONE LLC





TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC
STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2902-01-017
FROM: FM 439
TO: I-35

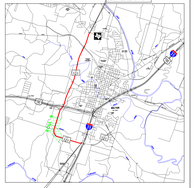
NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA BASED ON TRAFFIC PROJECTIONS APPROVED BY TxDOT TPAP DIVISION OCTOBER 10, 2016	SL 121 FROM FM 439 TO IH 35 EBFR	SL 121 FROM US 190 EBFR TO IH 35
AVERAGE DAILY TRAFFIC (2017)(2037)	16,400(2,870)	7,800(1,420)
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

COUNTY: BELL
DATE: OCTOBER 2018



DESIGN SCHEMATIC FOR SL 121 STA 1024+00 TO STA 1067+00

ROLL 5 OF 6

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-3998(B)

NASER MOUSAVI, P.E., AICP
LICENSE NO. 83260

DATE

CONCURRENCE

DISTRICT ENGINEER	DATE	DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT	DATE	AREA ENGINEER	DATE

Texas Department of Transportation

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LAST REVISED
10/18/2018

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GENERAL NOTES

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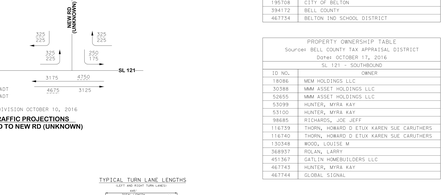
4. PARCEL NUMBERS AND OWNERSHIP DATA SHOWN WERE OBTAINED FROM THE BELL COUNTY TAX APPRAISAL DISTRICT, OCTOBER 17, 2016.

SCALE: 1"=100' HOR
1"= 10' VERT
SCALE IN FEET

LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED BRIDGE
- PROPOSED IMPROVEMENT BY OTHERS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED RETAINING WALL
- PARCEL BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- 123456 PARCEL I.D. NUMBER
- APPROXIMATE CITY LIMITS
- TRAFFIC DIRECTIONAL ARROWS
- PROPOSED RAISED MEDIAN
- EXISTING TOPOGRAPHY



SL 121 TRAFFIC PROJECTIONS
FROM HUEY RD TO NEW RD (UNKNOWN)

HORIZONTAL ALIGNMENT CURVE DATA

CURVE SL121_CL9
PI STATION = 1057+37.37
DELTA = 5°-29'-59.94" (LT)
DEGREE OF CURVE = 0°-30'-00" (LT)
TANGENT = 2,338.41
LENGTH = 4,479.16
PC STATION = 1054+36.76
PT STATION = 1063+54.93

PROPERTY OWNERSHIP TABLE
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 - NORTHBOUND

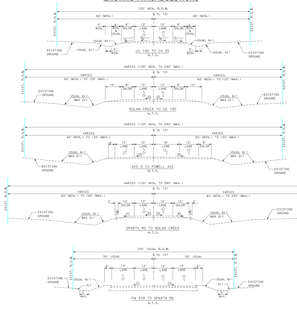
ID NO.	OWNER
14085	MCCLINTOCK, CHERYL L
16871	CARAVA, JOE ETUN MARIE
24142	GMM HOLDINGS LLC
60192	MORRIS, FRANCES LA VONNE
195706	CITY OF BELTON
394172	BELL COUNTY
467734	BELTON IND SCHOOL DISTRICT

PROPERTY OWNERSHIP TABLE
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 - SOUTHBOUND

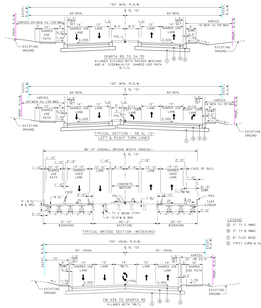
ID NO.	OWNER
18086	MCM HOLDINGS LLC
30388	MMM ASSET HOLDINGS LLC
52655	MMM ASSET HOLDINGS LLC
53099	HUNTER, MYRA KAY
53100	HUNTER, MYRA KAY
98665	RICHARDS, JOE JEFF
116759	THORN, HOWARD D ETUX KAREN SUE CARUTHERS
116740	THORN, HOWARD D ETUX KAREN SUE CARUTHERS
130348	WOOD, LOUISE M
368937	ROLAN, LARRY
451367	CATLIN HOMEBUILDERS LLC
467743	HUNTER, MYRA KAY
467744	GLOBAL SIGNAL

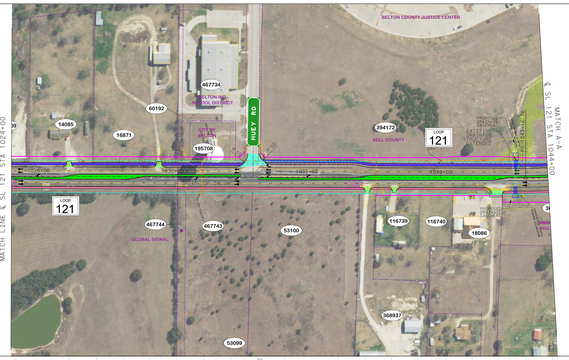
TYPICAL TURN LANE LENGTHS
(LEFT AND RIGHT TURN LANES)

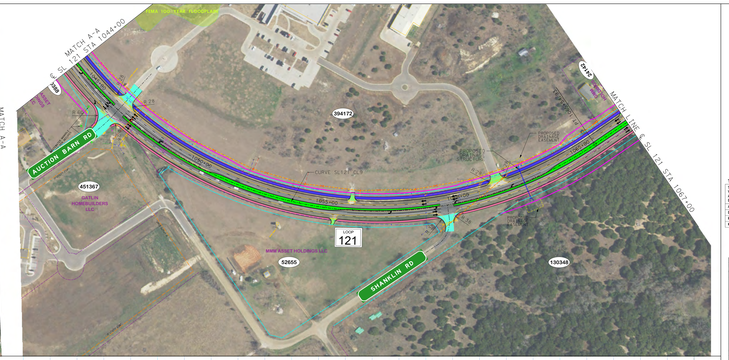
EXISTING TYPICAL SECTIONS

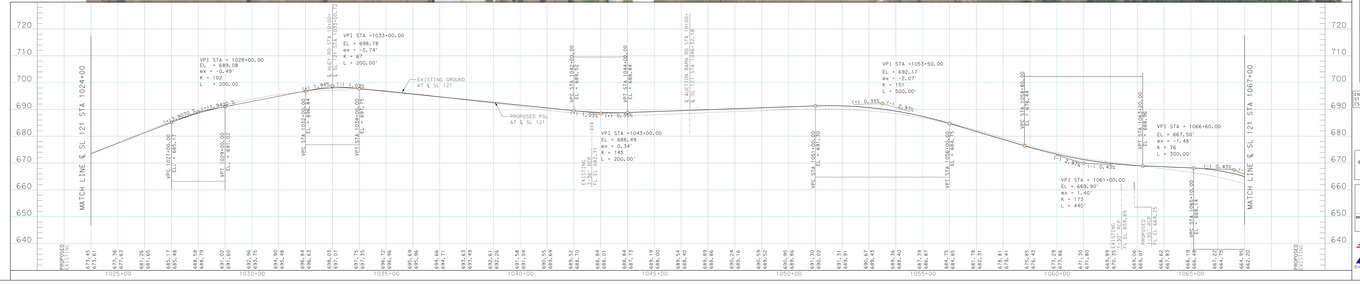


PROPOSED TYPICAL SECTIONS









TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC
STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2902-01-017
FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA BASED ON TRAFFIC PROJECTIONS APPROVED BY TxDOT TPAP DIVISION OCTOBER 10, 2016	SL 121 FROM FM 439 TO IH 35 EBFR	SL 121 FROM US 190 EBFR TO IH 35
AVERAGE DAILY TRAFFIC (2017)(2037)	16,400(2,870)	7,800(1,420)
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121 STA 1024+00 TO STA 1067+00

ROLL 5 OF 6

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-3998(B)

NASER MOUSAVI, P.E., AICP
LICENSE NO. 83260

DATE

CONCURRENCE

DISTRICT ENGINEER | DATE | DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT | DATE | AREA ENGINEER | DATE

Texas Department of Transportation

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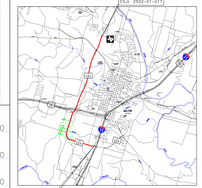
LAST REVISED
10/18/2018



TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017

FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA BASED ON TEXAS DEPARTMENT OF TRANSPORTATION APPROVED BY TxDOT TP&P DIVISION ON OCTOBER 10, 2016	SL 121 FROM FM 439 TO I-35 SBFR	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	10,000/15,000	7,800/11,600
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

BEGIN PROJECT
STA 951+85.01
CSJ: 2502-01-017

END PROJECT
STA 110+47.50
CSJ: 2502-01-017

PROJECT LOCATION
BELL COUNTY
WACO DISTRICT

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-3985(B)

NASER ABUSAAD, P.E., ACP
LICENSE NO. 83260 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

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Texas Department of Transportation
LAST UPDATE: 10/18/2018

COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 1067+00 TO END OF PROJECT

ROLL 6 OF 6

SCALE: 1"=100' HOR
1"= 10' VERT
SCALE IN FEET

GENERAL NOTES

1. AERIAL IMAGES SHOWN WERE OBTAINED FROM: https://tnris.org, http://www.pdmaps.org/HTML/datasets.html, 2015.
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4. PARCEL NUMBERS AND OWNERSHIP DATA SHOWN WERE OBTAINED FROM THE BELL COUNTY TAX APPRAISAL DISTRICT, OCTOBER 17, 2016.

HORIZONTAL ALIGNMENT CURVE DATA

CURVE SL121_CL10
PI STATION = 1104+63.68
DELTA = 1° 34' 35.49"
DEGREE OF CURVE = 179.62
TANGENT = 155.00
LENGTH = 309.10
PC STATION = 1102+84.06
PT STATION = 1108+39.29

PROPERTY OWNERSHIP TABLE
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 - NORTHBOUND

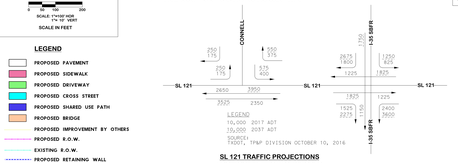
ID NO.	OWNER
1757	ALLAMON, MILDRED
24142	GMM HOLDINGS LLC
44931	T-ELEVEN INC
59934	BARNES INDEPENDENT DEVELOPERS L P
91016	PASQUARELLI, BETH L TRUSTEE
100607	ROGERS, DEBORAH NEIL
108274	BLRL INVESTMENTS LLC SERIES K
128045	WIENER, JOANN DOLORES & FRED BARRY
231673	KILLEEN BIBLE CHURCH
331320	STATE OF TEXAS
332652	EXTRA SPACE PROPERTIES TWO LLC
352961	HOPE COMMUNITY CHURCH OF BELTON
367340	CITY OF BELTON
447227	GAINES, ROBERT D
447228	GAINES, ROBERT D

PROPERTY OWNERSHIP TABLE
Source: BELL COUNTY TAX APPRAISAL DISTRICT
Date: OCTOBER 17, 2016
SL 121 - SOUTHBOUND

ID NO.	OWNER
8086	BELL COUNTY
8445	BELL COUNTY
52658	BSD MY MEADOW RANCH LP
130348	WOOD, LOUISE M
136129	GLOVER, BOBBY & LYNN
198282	BELL COUNTY
366765	POONAM INVESTMENTS INC
366766	SHIVPARVAN PARTNERS LTD
367699	BELTON VETERINARY PROPERTY LLC
404765	MEHTA, VIJAY ETUX VINOO
432326	BELTON VETERINARY PROPERTY LLC

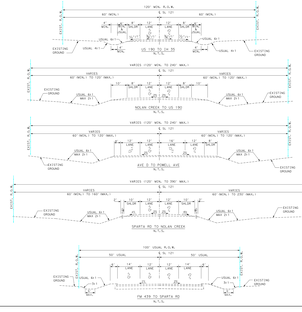
LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED BRIDGE
- PROPOSED IMPROVEMENT BY OTHERS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED RETAINING WALL
- PARCEL BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- 123456 PARCEL I.D. NUMBER
- APPROXIMATE CITY LIMITS
- TRAFFIC DIRECTIONAL ARROWS
- PROPOSED RAISED MEDIAN
- EXISTING TOPOGRAPHY

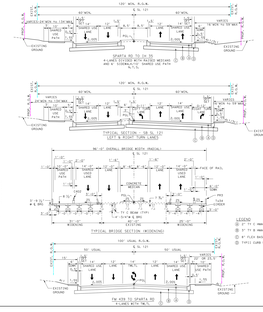


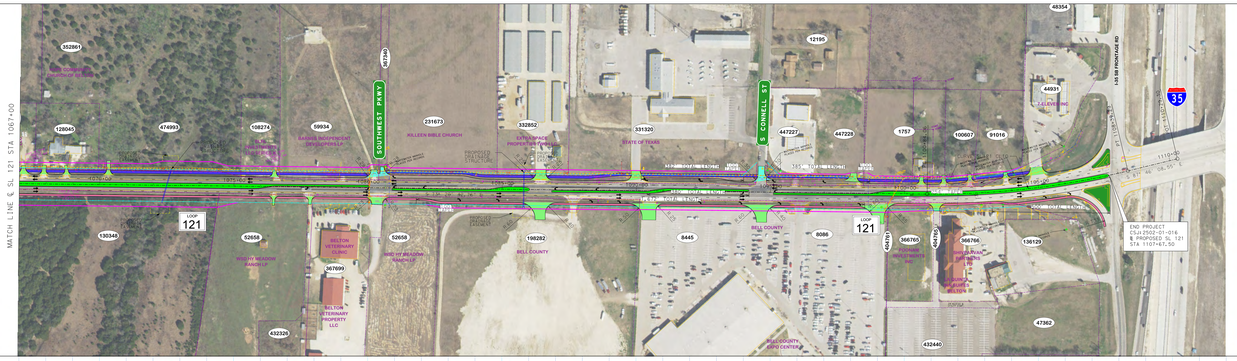
TYPICAL TURN LANE LENGTHS

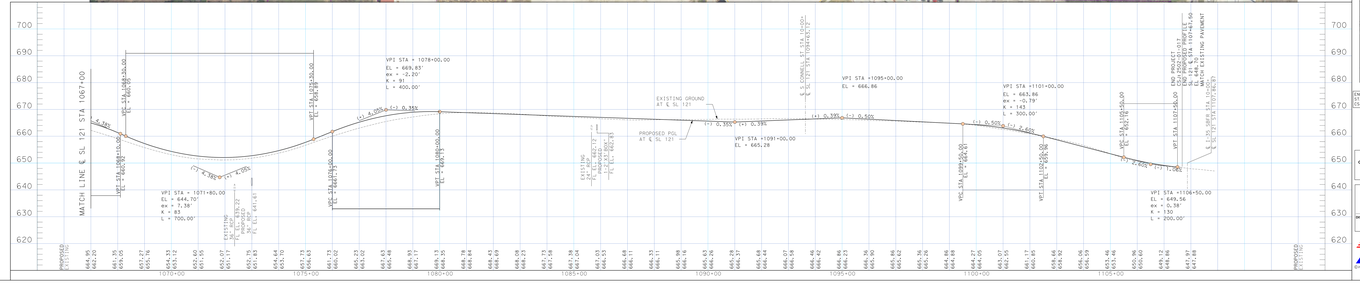
EXISTING TYPICAL SECTIONS



PROPOSED TYPICAL SECTIONS







TEXAS DEPARTMENT OF TRANSPORTATION
WACO DISTRICT

BELL COUNTY
DESIGN SCHEMATIC

STANLEY SWATEK, P.E.
DISTRICT ENGINEER

SL 121
CSJ: 2502-01-017

FROM: FM 439
TO: I-35

NET LENGTH OF PROJECT: 4.85 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

TRAFFIC DATA

TRAFFIC DATA BASED ON TEXAS DEPARTMENT OF TRANSPORTATION APPROVED BY TxDOT TP&P DIVISION ON OCTOBER 10, 2016	SL 121 FROM FM 439 TO I-35 SBFR	SL 121 FROM US 190 EBFR TO I-35
AVERAGE DAILY TRAFFIC (2017)(2037)	10,000/15,000	7,800/11,600
DIRECTIONAL DISTRIBUTION (%)	53-47	53-47
PERCENT TRUCKS OF DHV	5.8	6.2
K FACTOR	11.1	11.1

BEGIN PROJECT
STA 951+85.01
CSJ: 2502-01-017

END PROJECT
STA 110+47.50
CSJ: 2502-01-017

PROJECT LOCATION
BELL COUNTY
WACO DISTRICT

PUBLIC HEARING
10/18/2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION
NO. F-3985(B)

NASER ABUSAAD, P.E., ACP
LICENSE NO. 83260 — DATE

CONCURRENCE

DISTRICT ENGINEER — DATE — DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT — DATE — AREA ENGINEER — DATE

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF DESIGN SCHEMATIC SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

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Texas Department of Transportation
Texas Department of Transportation
LAST UPDATE: 10/18/2018

COUNTY: BELL
DATE: OCTOBER 2018

DESIGN SCHEMATIC FOR SL 121
STA 1067+00 TO END OF PROJECT

ROLL 6 OF 6