TEXAS REGISTERED
ENGINEERING FIRM F-1741
13809 RESEARCH BLVD
SUITE 300
AUSTIN, TX 78750

Pen Table: STVcolor+ANSIB.tbl
Design Filename: pw://stv-sw-pw.bentley.com:stv-sw-pw-01/Documents/Active Projects/GEOR2100704.00/GEOR2100704.01/8.00 Plans and Drawings/8.20 Schematic Scrolls/SEIL+Schem+02.dgn

PRELIMINARY DESIGN SCHEMATIC
SOUTHEAST INNER LOOP

SHEET 2 OF 2

CITY OF GEORGETOWN

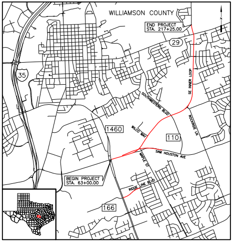
SCHEMATIC LAYOUT

ROADWAY: SOUTHEAST INNER LOOP

7/13/2023

FROM FM 1460 TO SH 29

NET LENGTH OF PROJECT:
17,725.00 FEET = 3.357 MILES
ROADWAY
17,225.00 FEET = 3.262 MILES
BRIDGE
500.00 FEET = 0.095 MILES


WILLIAMSON COUNTY
END PROJECT
STA. 217+25.00
N
29
35
SE INNER LOOP
SOUTHWESTERN BLVD
ROCKRIDGE LN
1460
WILCO WAY
110
SAM HOUSTON AVE
MAPLE ST
BEGIN PROJECT
STA. 63+00.00
RIDGE LINE BLVD
166

LOCATION MAP

BEARING BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, TX83/2011-CF, CENTRAL ZONE AND ADJUSTED TO SURFACE USING PROJECTED SURFACE ADJUSTMENT FACTOR OF 1.00012.

FUNCTIONAL CLASS:
URBAN MINOR ARTERIAL

DESIGN SPEED:
SE INNER LOOP: 45 MPH
CROSS STREETS: 30 MPH

EQUATIONS: NONE
EXCEPTIONS: NONE
RAILROADS: NONE

PRELIMINARY
SUBMITTED FOR REVIEW
Engineer: Anthony J. Serda
P.E. Serial No.: 106300
Date: 7/13/2023
Signature:
NOT FOR CONSTRUCTION, BIDDING OR PERMITTING

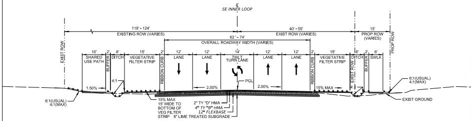
100 50 0 100 200
SCALE HORZ. FEET

10 5 0 10 20
SCALE VERT. FEET

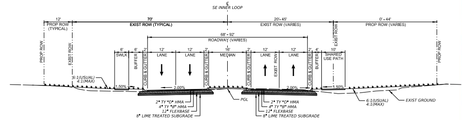
DGN: CWS	STATE	DIST.	COUNTY	
CHK DGN: RJB	TEXAS	AUS	WILLIAMSON	
DWG: CWS	CONT.	SECT.	JOB	HIGHWAY NO.
CHK DWG: AJS	XXXX	XX	XXX	XXX

Plotted on: 7/13/2023

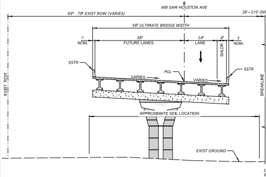
TYPICAL SECTIONS


℄ SE INNER LOOP
118' - 124'
EXISTING ROW (VARIES)
40' - 55'
EXIST ROW (VARIES)
15'
PROP ROW (VARIES)
62' - 74'
OVERALL ROADWAY WIDTH (VARIES)
EXIST ROW
10'
SHARED USE PATH
2'
BUFFER
6'
DITCH
15'
VEGETATIVE FILTER STRIP
2'
RIBBON CURB
12'
LANE
12'
LANE
14'
TWLT TURN LANE
12'
LANE
12'
LANE
2'
RIBBON CURB
15'
VEGETATIVE FILTER STRIP
6'
DITCH
EXIST ROW
2'
BUFFER
6'
SWLK
PROP ROW
4:1
1.50%
2.00%
PGL
2.00%
15% MAX
4:1
6:1(USUAL)
4:1(MAX)
6:1(USUAL)
4:1(MAX)
15% MAX
15' WIDE TO BOTTOM OF VEG FILTER STRIP
2" TY "D" HMA
4" TY "B" HMA
12" FLEXBASE
8" LIME TREATED SUBGRADE
EXIST GROUND

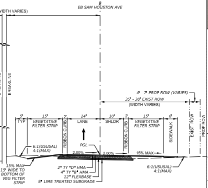
PROPOSED TYPICAL SECTION
STA 63+00.00 TO STA 128+00.00


℄ SE INNER LOOP
12'
PROP ROW (TYPICAL)
70'
EXIST ROW (TYPICAL)
20'-45'
EXIST ROW (VARIES)
0' - 44'
PROP ROW (VARIES)
68' - 92'
ROADWAY (VARIES)
PROP ROW
EXIST ROW
6'
SWLK
6'
BUFFER
2'
CURB & GUTTER
12'
LANE
12'
LANE
2'
CURB & GUTTER
16'
MEDIAN
2'
CURB & GUTTER
12'
LANE
EXIST ROW
12'
LANE
2'
CURB & GUTTER
4'
BUFFER
10'
SHARED USE PATH
EXIST ROW
PROP ROW
6:1(USUAL)
4:1(MAX)
1.50%
2.00%
2.00%
1.50%
PGL
2" TY "D" HMA
4" TY "B" HMA
12" FLEXBASE
8" LIME TREATED SUBGRADE
2" TY "D" HMA
4" TY "B" HMA
12" FLEXBASE
8" LIME TREATED SUBGRADE
6:1(USUAL)
4:1(MAX)
EXIST GROUND

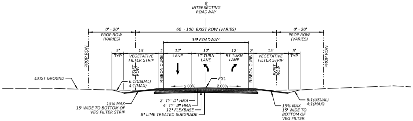
PROPOSED TYPICAL SECTION
STA 128+00.00 TO STA 224+00.00


℄ WB SAM HOUSTON AVE
69' - 79' EXIST ROW (VARIES)
28' - 215' (WIDTH VARIES)
58' ULTIMATE BRIDGE WIDTH
1'
NOM.
38'
FUTURE LANES
14'
LANE
4'
SHLDR
1'
NOM.
SSTR
SSTR
PGL
VARIES
VARIES
EXIST ROW
APPROXIMATE SEIL LOCATION
EXIST GROUND
BREAKLINE
BREAKLINE

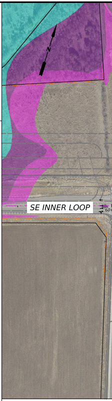
PROPOSED TYPICAL SECTION
SAM HOUSTON AVE (WESTBOUND)


℄ EB SAM HOUSTON AVE
4' - 7' PROP ROW (VARIES)
35' - 38' EXIST ROW
(WIDTH VARIES)
5'
TYP
15'
VEGETATIVE FILTER STRIP
2'
RIBBON CURB
14'
LANE
10'
SHLDR
2'
RIBBON CURB
15'
VEGETATIVE FILTER STRIP
6'
SIDEWALK
EXIST ROW
PROP ROW
6:1(USUSAL)
4:1(MAX)
PGL
2.00%
2.00%
15% MAX
15% MAX
15' WIDE TO BOTTOM OF VEG FILTER STRIP
2" TY "D" HMA
4" TY "B" HMA
12" FLEXBASE
8" LIME TREATED SUBGRADE
6:1(USUSAL)
4:1(MAX)

PROPOSED TYPICAL SECTION
SAM HOUSTON AVE (EASTBOUND)

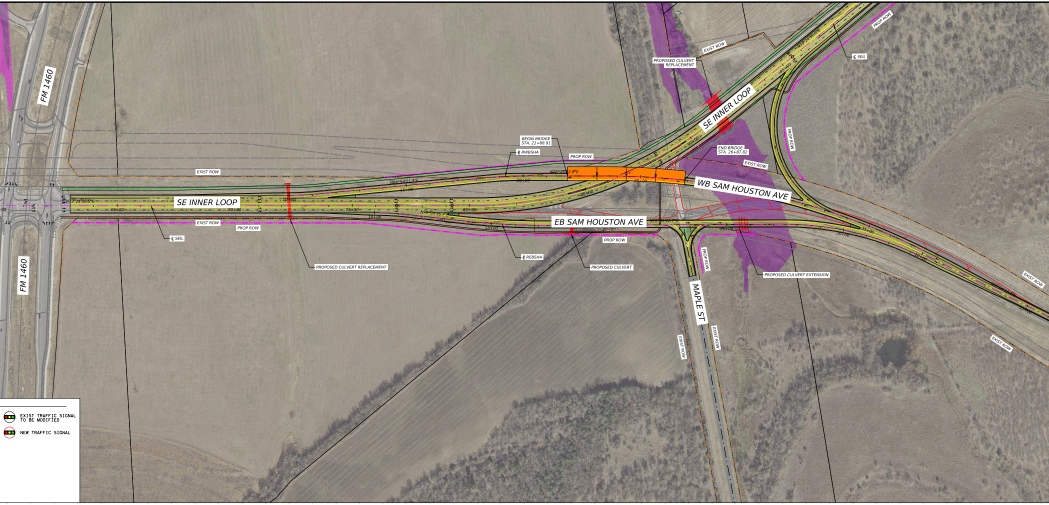

℄ INTERSECTING ROADWAY
0' - 20'
PROP ROW (VARIES)
60' - 100' EXIST ROW (VARIES)
0' - 20'
PROP ROW (VARIES)
36' ROADWAY'
PROP ROW
5'
TYP
15'
VEGETATIVE FILTER STRIP
EXIST ROW
2'
RIBBON CURB
12'
LANE
12'
LT TURN LANE
12'
RT TURN LANE
2'
RIBBON CURB
15'
VEGETATIVE FILTER STRIP
EXIST ROW
5'
TYP
PROP ROW
EXIST GROUND
6:1(USUAL)
4:1(MAX)
PGL
2.00%
2.00%
15% MAX
15' WIDE TO BOTTOM OF VEG FILTER STRIP
2" TY "D" HMA
4" TY "B" HMA
12" FLEXBASE
8" LIME TREATED SUBGRADE
15% MAX
15' WIDE TO BOTTOM OF VEG FILTER STRIP
6:1(USUAL)
4:1(MAX)

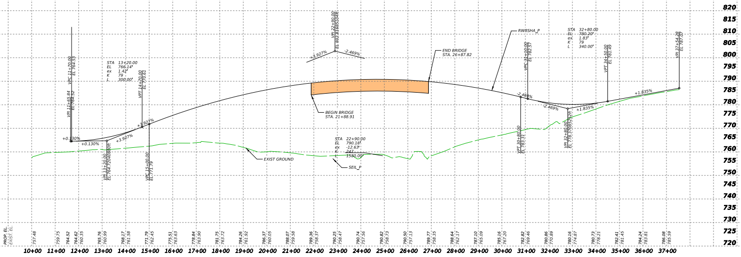
PROPOSED TYPICAL SECTION
INTERSECTING ROADWAYS


N
SE INNER LOOP
60+

LEGEND:

- —	PROPOSED CENTERLINE
━ • •	PROPOSED ROW
— · ·	EXISTING ROW
— —	EXISTING EASEMENT
—	PARCEL LINE
▭	FEMA FLOODWAY
▭	100-YEAR FEMA FLOODPLAIN
▭	500-YEAR FEMA FLOODPLAIN
☒	REMOVAL
—	PROPOSED PAVEMENT EDGE
▭	PROPOSED PAVEMENT
▭	PROPOSED MEDIAN
▭	PROPOSED 10' SHARED USE PATH
▭	PROPOSED 6' SIDEWALK
▭	PROPOSED BRIDGE
▨	PROPOSED CONCRETE BACKFILL


FM 1460
FM 1460
SE INNER LOOP
SE INNER LOOP
WB SAM HOUSTON AVE
EB SAM HOUSTON AVE
MAPLE ST
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW
PROP ROW
PROP ROW
PROP ROW
PROP ROW
PROP ROW
PROP ROW
℄ SEIL
℄ SEIL
℄ RWBSHA
℄ REBSHA
BEGIN BRIDGE STA. 21+88.91
END BRIDGE STA. 26+87.82
PROPOSED CULVERT REPLACEMENT
PROPOSED CULVERT REPLACEMENT
PROPOSED CULVERT
PROPOSED CULVERT EXTENSION
N72°24'36.5"E
N66°53'11.5"E
N72°23'22.8"E
N79°03'36.7"E
N72°06'22.7"E
N33°24'59.9"E
65+00
70+00
75+00
80+00
85+00
90+00
95+00
10+00
15+00
20+00
25+00
15+00
20+00
25+00
30+00
35+00
EXIST TRAFFIC SIGNAL TO BE MODIFIED
NEW TRAFFIC SIGNAL


820
815
810
805
800
795
790
785
780
775
770
765
760
755
750
745
740
735
730
725
720
VPC 11+70.00 EL 764.53
VPI 11+65.84 EL 764.52
+0.130%
+0.130%
STA 13+20.00
EL 766.14'
ex 1.42'
K 79
L 300.00'
VPI 13+20.00 EL 764.720400800ft
+3.927%
+3.927%
VPT 14+70.00 EL 770.61
VPC 15+00.00 EL 771.79
VPI 22+90.00 EL 802.81685104ft
+3.927%
-2.469%
BEGIN BRIDGE STA. 21+88.91
END BRIDGE STA. 26+87.82
STA 22+90.00
EL 790.18'
ex -12.63'
K 247
L 1580.00'
EXIST GROUND
SEIL_P
RWBSHA_P
VPC 31+10.00 EL 782.57
VPT 30+80.00 EL 783.31
-2.469%
-2.469%
STA 32+80.00
EL 780.20'
ex 1.83'
K 79
L 340.00'
VPI 32+80.00 EL 778.370852521ft
+1.835%
+1.835%
VPT 34+50.00 EL 781.49
VPI 37+54.28 EL 787.07
PROP. EL.
EXIST. EL.
757.48
759.75
764.52
764.62
760.35
765.76
760.99
768.17
761.58
771.79
762.45
775.51
763.63
778.84
763.90
781.75
763.72
784.26
761.92
786.37
760.05
788.07
759.58
789.36
758.37
790.25
758.47
790.74
757.56
790.82
758.73
790.50
757.13
789.77
758.35
788.64
762.17
787.10
765.09
785.16
767.20
782.82
769.46
780.86
770.89
780.16
774.87
780.73
778.21
782.41
781.45
784.24
783.81
786.08
785.59
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
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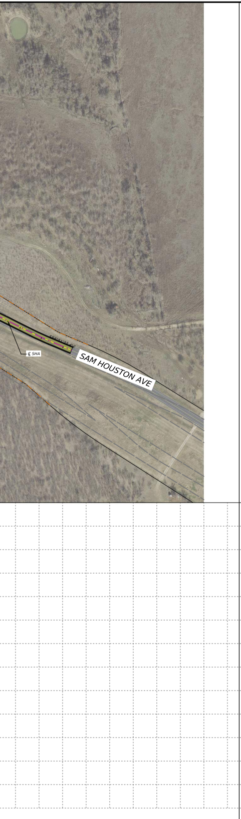
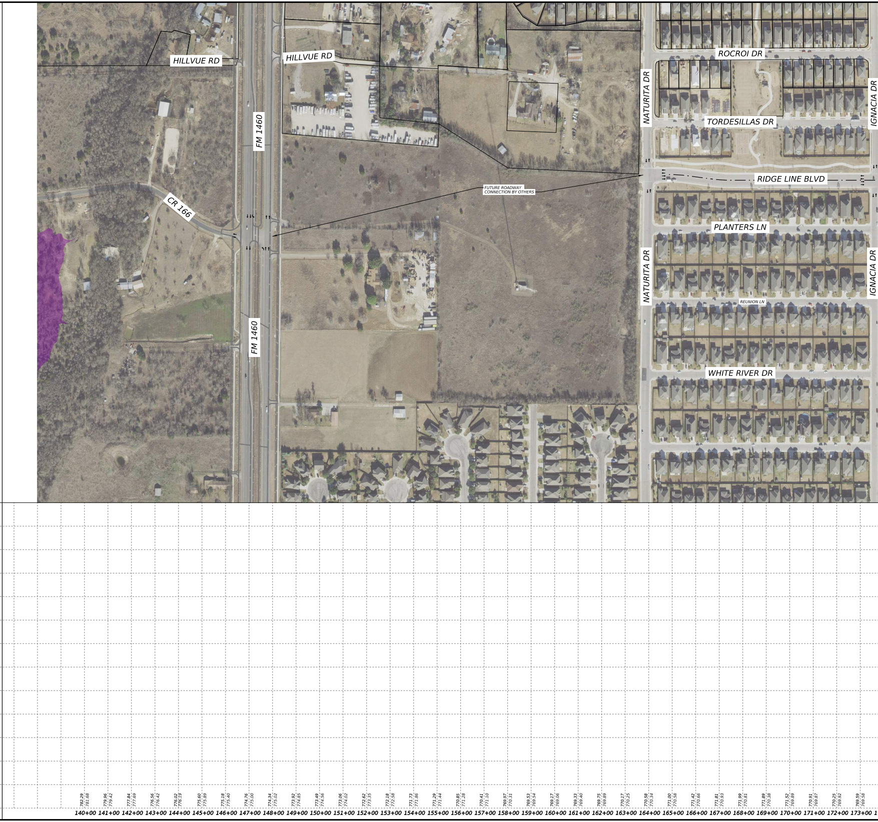
34+00
35+00
36+00
37+00


℄ SHA
SAM HOUSTON AVE


HILLVUE RD
HILLVUE RD
FM 1460
FM 1460
CR 166
FUTURE ROADWAY CONNECTION BY OTHERS
ROCROI DR
NATURITA DR
IGNACIA DR
TORDESILLAS DR
RIDGE LINE BLVD
PLANTERS LN
NATURITA DR
IGNACIA DR
REUNION LN
WHITE RIVER DR
782.29 781.68
779.96 779.42
777.84 777.69
776.56 776.42
776.02 776.19
775.60 775.89
775.18 775.40
774.76 775.00
774.34 775.02
773.92 774.85
773.49 774.56
773.06 774.02
772.62 773.35
772.18 772.58
771.73 771.86
771.29 771.44
770.85 771.28
770.41 771.10
769.97 770.31
769.53 769.54
769.17 769.06
769.33 769.40
769.75 769.89
770.17 770.25
770.58 770.34
771.00 770.58
771.42 770.66
771.81 770.93
771.99 770.81
771.89 770.38
771.52 769.89
770.91 769.87
770.25 769.92
769.59 769.58
140+00
141+00
142+00
143+00
144+00
145+00
146+00
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00
155+00
156+00
157+00
158+00
159+00
160+00
161+00
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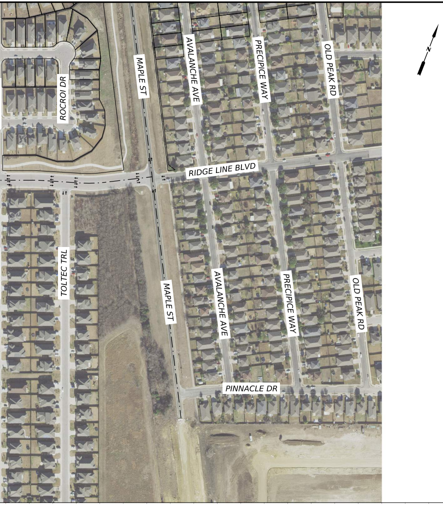
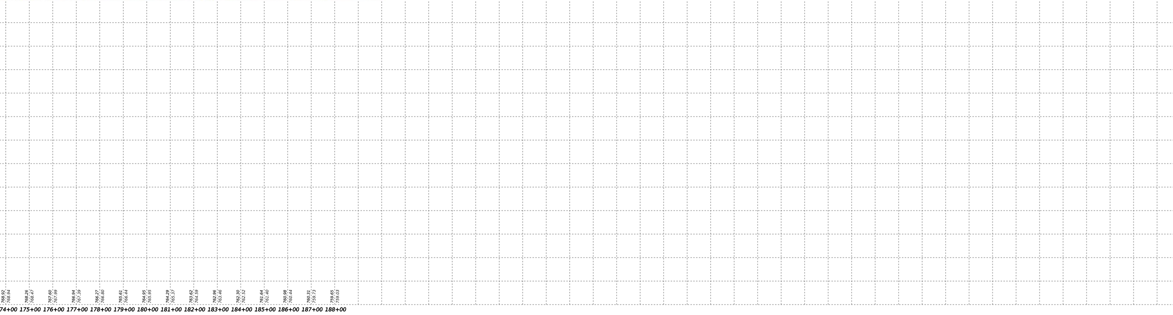
170+00
171+00
172+00
173+00


N
MAPLE ST
AVALANCHE AVE
PRECIPICE WAY
OLD PEAK RD
ROCROI DR
RIDGE LINE BLVD
TOLTEC TRL
MAPLE ST
AVALANCHE AVE
PRECIPICE WAY
OLD PEAK RD
PINNACLE DR



PRELIMINARY
SUBJECT TO CHANGE

TEXAS REGISTERED
ENGINEERING FIRM F-1741

13809 RESEARCH BLVD
SUITE 300
AUSTIN, TX 78750

EST. 1848
GEORGETOWN
TEXAS

PRELIMINARY DESIGN SCHEMATIC
SOUTHEAST INNER LOOP

SHEET 2 OF 2

EST. 1848
GEORGETOWN
TEXAS

TEXAS REGISTERED
ENGINEERING FIRM F-1741

13809 RESEARCH BLVD
SUITE 300
AUSTIN, TX 78750

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