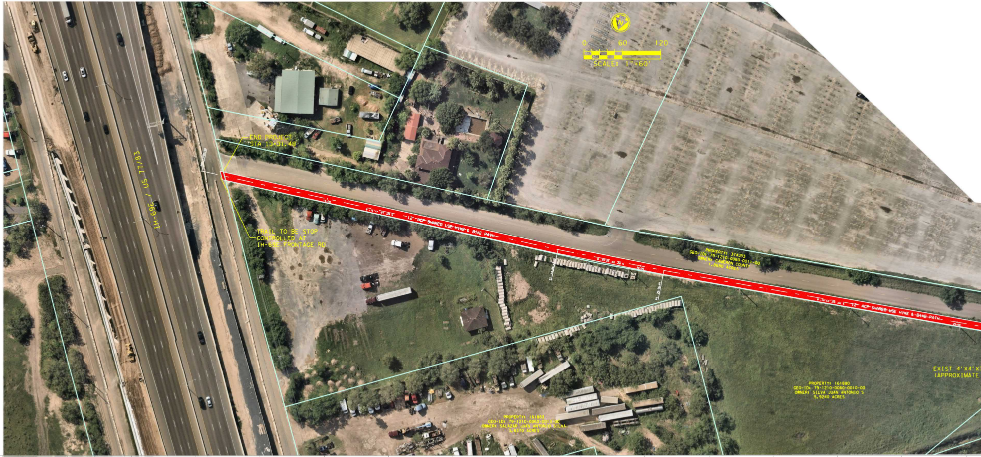
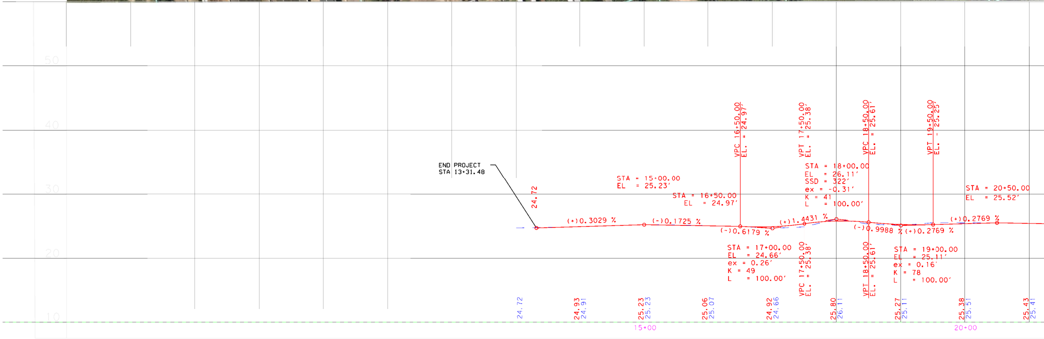
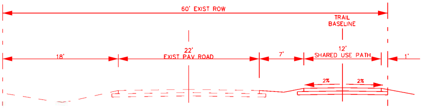
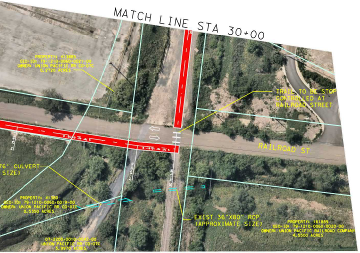
DATE:2/5/2021 10:06:44 AM
FILE:N:\Project\u3048\400*APD\Schematic\schematic sheet1.dgn

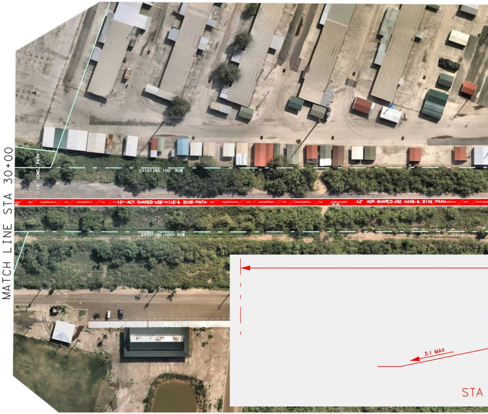

0 60 120
SCALE: 1"=60'
IH-69E / US 77/83
END PROJECT
STA 13+31.48
TRAIL TO BE STOP
CONTROLLED AT
IH-69E FRONTAGE RD
12' ACP SHARED USE HIKE & BIKE PATH
PROPERTY: 374333
GEO-ID: 79-1210-0060-0011-00
OWNER: CAMERON COUNTY
1.8680 ACRES
20+00
12' ACP SHARED USE HIKE & BIKE PATH
PROPERTY: 161883
GEO-ID: 79-1210-0060-0013-00
OWNER: SALAZAR JUAN ANTONIO SILVA
3.8370 ACRES
PROPERTY: 161880
GEO-ID: 79-1210-0060-0010-00
OWNER: SILVA JUAN ANTONIO S
5.9240 ACRES
EXIST 4'X4'X
(APPROXIMATE

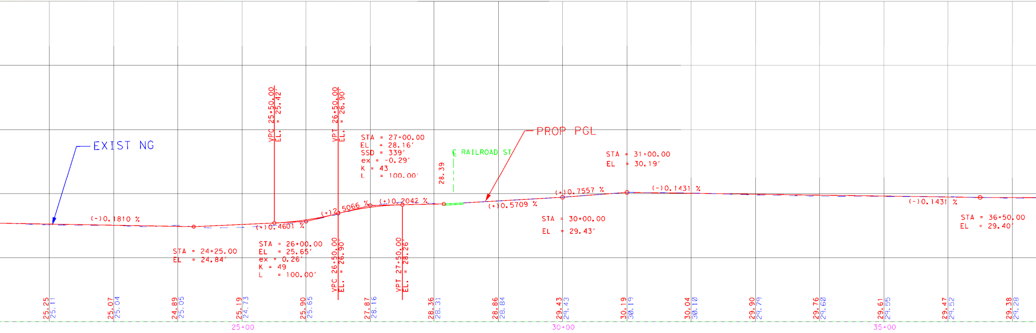

50
40
30
20
10
END PROJECT
STA 13+31.48
24.72
STA = 15+00.00
EL = 25.23'
(+)0.3029 %
(-)0.1725 %
STA = 16+50.00
EL = 24.97'
VPC 16+50.00
EL. = 24.97'
(-)0.6179 %
STA = 17+00.00
EL = 24.66'
ex = 0.26'
K = 49
L = 100.00'
VPT 17+50.00
EL. = 25.38'
VPC 17+50.00
EL. = 25.38'
(+)1.4431 %
STA = 18+00.00
EL = 26.11'
SSD = 322'
ex = -0.31'
K = 41
L = 100.00'
VPC 18+50.00
EL. = 25.61'
VPT 18+50.00
EL. = 25.61'
(-)0.9988 %
STA = 19+00.00
EL = 25.11'
ex = 0.16'
K = 78
L = 100.00'
(+)0.2769 %
VPT 19+50.00
EL. - 25.25'
(+)0.2769 %
STA = 20+50.00
EL = 25.52'
24.72
24.93
24.91
25.23
25.23
25.06
25.07
24.92
24.66
25.80
26.11
25.27
25.11
25.38
25.51
25.43
25.41
15+00
20+00

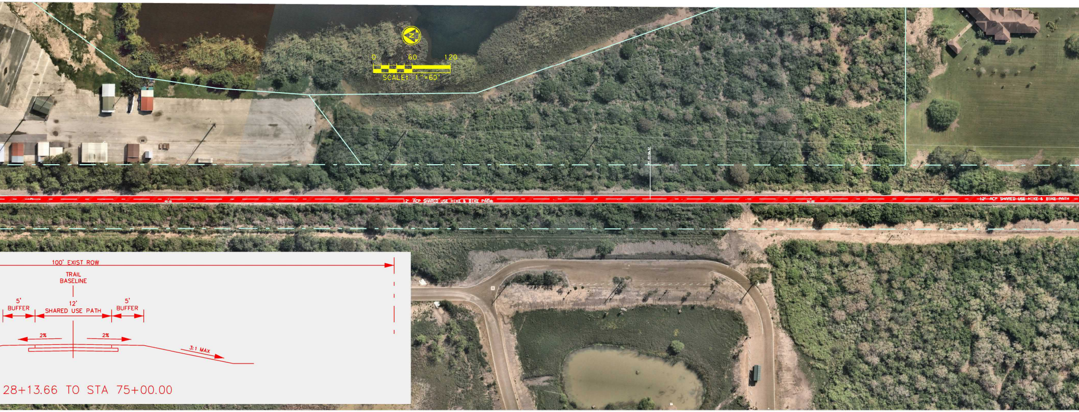

60' EXIST ROW
TRAIL BASELINE
18'
22' EXIST PAV ROAD
7'
12' SHARED USE PATH
1'
2%
2%

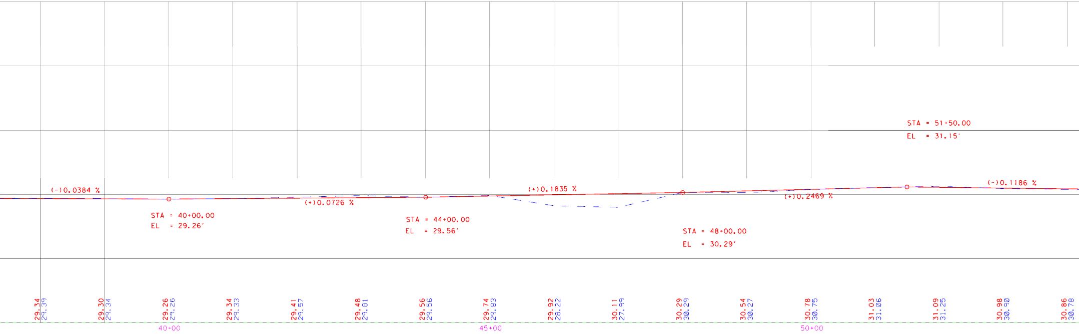
STA 13+31.48 TO STA 28+13.66

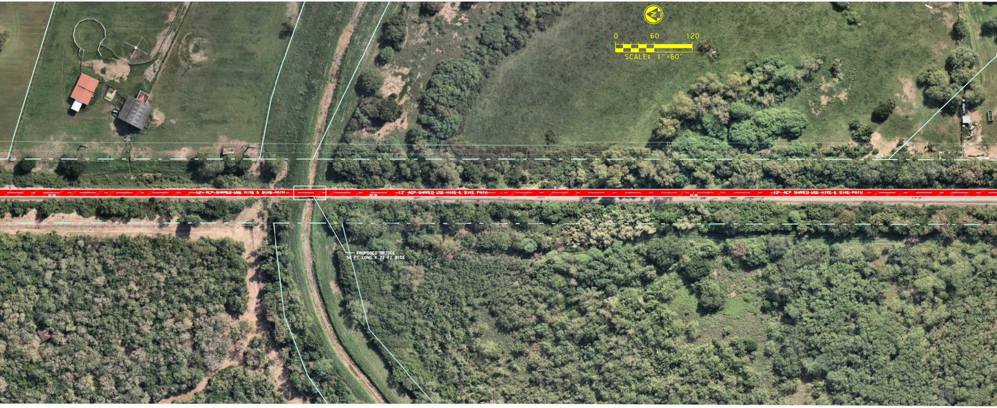

MATCH LINE STA 30+00
PROPERTY: 413885
GEO-ID: 79-1210-0060-0021-00
OWNER: UNION PACIFIC RR CO-07C
0.2720 ACRES
TRAIL TO BE STOP CONTROLLED AT RAILROAD STREET
RAILROAD ST
76' CULVERT SIZE)
PROPERTY: 41380
GEO-ID: 79-1210-0060-0019-00
OWNER: UNION PACIFIC RR CO-07C
0.5350 ACRES
EXIST 36"X80" RCP (APPROXIMATE SIZE)
PROPERTY: 161889
GEO-ID: 79-1210-0060-0020-00
OWNER: UNION PACIFIC RAILROAD COMPANY
4.5500 ACRES
07-2200-0010-0042-00
UNION PACIFIC RR CO-07C
5.9970 ACRES

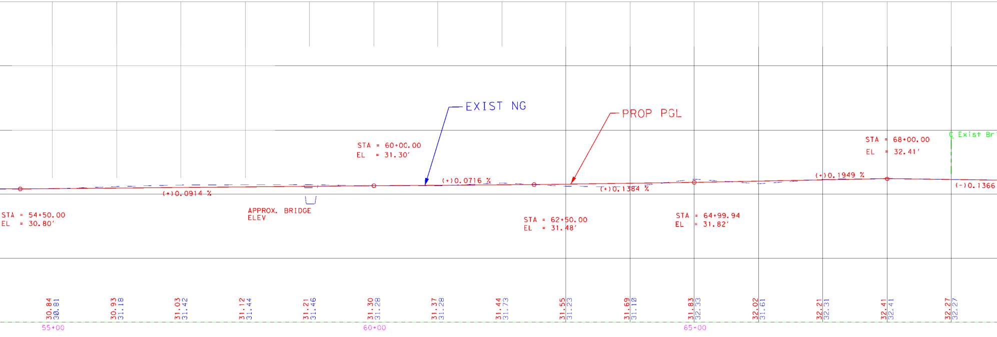

MATCH LINE STA 30+00
10' CONC. PATH
EXISTING 100' ROW
12' ACP SHARED USE HIKE & BIKE PATH
12' ACP SHARED USE HIKE & BIKE PATH
EXISTING 100' ROW
3:1 MAX
STA

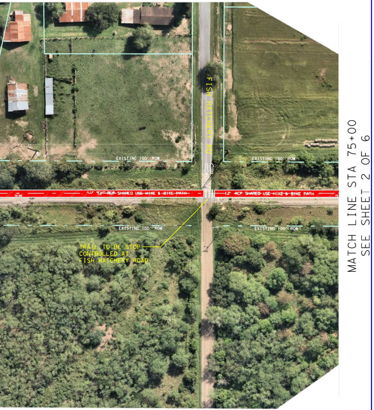


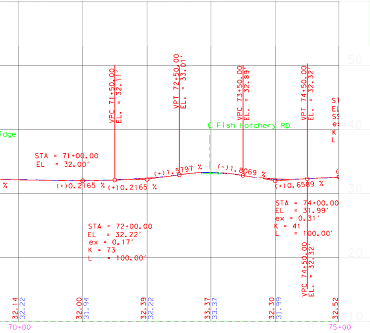

0
60
120
SCALE: 1"=60'
12' ACP SHARED USE HIKE & BIKE PATH
12' ACP SHARED USE HIKE & BIKE PATH
100' EXIST ROW
TRAIL
BASELINE
5'
BUFFER
12'
SHARED USE PATH
5'
BUFFER
2%
2%
3:1 MAX
28+13.66 TO STA 75+00.00




N
0
60
120
SCALE: 1"=60'
55+00
12' ACP SHARED USE HIKE & BIKE PATH
60+00
12' ACP SHARED USE HIKE & BIKE PATH
65+00
12' ACP SHARED USE HIKE & BIKE PATH
PROPOSED BRIDGE
50 FT LONG X 22 FT WIDE

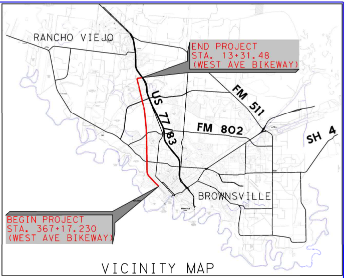

EXIST NG
PROP PGL
STA = 60+00.00
EL = 31.30'
STA = 68+00.00
EL = 32.41'
℄ Exist Br
(+)0.0914 %
(+)0.0716 %
(+)0.1384 %
(+)0.1949 %
(-)0.1366
STA = 54+50.00
EL = 30.80'
APPROX. BRIDGE
ELEV
STA = 62+50.00
EL = 31.48'
STA = 64+99.94
EL = 31.82'
30.84
30.81
30.93
31.18
31.03
31.42
31.12
31.44
31.21
31.46
31.30
31.28
31.37
31.28
31.44
31.73
31.55
31.23
31.69
31.10
31.83
32.33
32.02
31.61
32.21
32.31
32.41
32.41
32.27
32.27
55+00
60+00
65+00


FISH HATCHERY RD
EXISTING 100' ROW
EXISTING 100' ROW
12' ACP SHARED USE HIKE & BIKE PATH
12' ACP SHARED USE HIKE & BIKE PATH
EXISTING 100' ROW
EXISTING 100' ROW
TRAIL TO BE STOP
CONTROLLED AT
FISH HATCHERY ROAD
MATCH LINE STA 75+00
SEE SHEET 2 OF 6


VPC 71+50.00
EL. = 32.11'
VPT 72+50.00
EL. = 33.01'
VPC 73+50.00
EL. = 32.89'
VPT 74+50.00
EL. = 32.32'
℄ Fish Hatchery RD
idge
STA = 71+00.00
EL = 32.00'
(+)1.5797 %
(-)1.8069 %
%
(+)0.2165 %
(+)0.2165 %
(+)0.6589 %
STA = 72+00.00
EL = 32.22'
ex = 0.17'
K = 73
L = 100.00'
STA = 74+00.00
EL = 31.99'
ex = 0.31'
K = 41
L = 100.00'
VPC 74+50.00
EL. = 32.32'
50
40
30
20
10
32.14
32.22
32.00
31.94
32.39
32.22
33.37
33.37
32.30
31.99
32.52
70+00
75+00

## PLAN LEGEND

EXISTING RIGHT OF WAY
POPOSED RIGHT OF WAY
EXISTING PROPERTY LINE
▨ PROPOSED SHARED USE HIKE AND BIKE TRAIL


RANCHO VIEJO
END PROJECT
STA. 13+31.48
(WEST AVE BIKEWAY)
FM 511
US 77/83
FM 802
SH 4
BROWNSVILLE
BEGIN PROJECT
STA. 367+17.230
(WEST AVE BIKEWAY)

VICINITY MAP

# SCHEMATIC LAYOUT
# WEST RAIL TRAIL
# CONCEPTUAL SCHEMATIC

## CAMERON COUNTY

**LIMITS: FROM: PALM BLVD**
**TO: IH-69E SB FTRG RD**

## DESIGN DATA

C.S.J.: 0921-06-293

LENGTH: 6.7 MILES

FUNCTIONAL CLASSIFICATION: LOCAL

DESIGN SPEED: 15 MPH

DESIGN CRITERIA: TXDOT ROADWAY DESIGN MANUAL CHAPTER 6, SECTION 4. AASHTO GUIDE FOR THE DEVELOPMENT OF BYCICLE FACILITIES. ADA GUIDELINES.

DESIGN EXCEMPTIONS REQUIRED: NONE

©2021 Texas Department of Transportation

**100 % SUBMITTAL**
**2/5/2021**

STA 10+05.45 TO STA 75+00.00

**ROLL 1 OF 6**

**NOT A BIDDING DOCUMENT**
**ORIGINAL SIGN AND DATED: $DATE$**

**GUILLERMO A. ARRATIA, P.E.**
**TEXAS REGISTRATION NUMBER: 94001**

City of BROWNSVILLE Texas
On the Border By the Sea

RMA
CAMERON COUNTY REGIONAL
MOBILITY AUTHORITY

S&B INFRASTRUCTURE, LTD.
TEXAS BOARD OF PROFESSIONAL ENGINEERS #: F-1582

## WEST RAIL TRAIL

| | |
|---|---|
| DRAWING: | |
| CK: | |
| ENGINEER: | |
| CK: | |
| REVIEW: | |
| CK: | |

| FED. RD. DIV. NO. | STATE | PROJECT NO. | HIGHWAY NO. |
|---|---|---|---|
| 6 | TEXAS | | |

| STATE DIST. NO | COUNTY | CONT | SECT | JOB | SHEET NO. |
|---|---|---|---|---|---|
| PHR | CAMERON | 0921 | 06 | 293 | 1 |