Texas Department of Transportation

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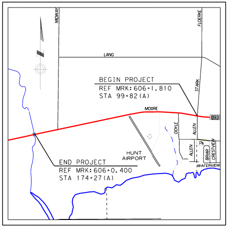
CORPUS CHRISTI DISTRICT

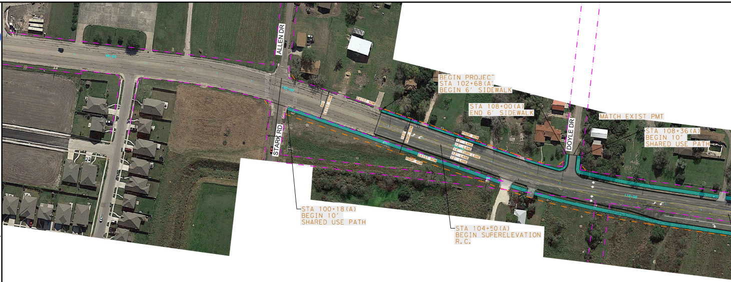
PROPOSED SCHEMATIC FM 893

CSJ:	1209-01-030
HIGHWAY:	FM 893
COUNTY:	SAN PATRICIO
LIMITS:	FROM: STARK RD TO: 0.2 MI W OF CR 3567
LENGTH:	APPROX. 1.410 MI
DESC:	UPGRADE ROADWAY TO 5 LANE CURB AND GUTTER
FUNCTIONAL CLASS:	MAJOR COLLECTOR
ADT:	2017 1,900 2037 2,600
DESIGN SPEED:	45 MPH
SCALE:	1" = 100'


MIDWAY
FLOERKE
LANG
STARK
MOORE
893
DOYLE
ALLEN
BRIAR
CRESTVIEW
WATERVIEW
HUNT AIRPORT
BEGIN PROJECT
REF MRK:606+1.810
STA 99+82(A)
END PROJECT
REF MRK:606+0.400
STA 174+27(A)

VICINITY MAP

April 24, 2019


ALLEN DR
STARK RD
DOYLE DR
100+00
110+00
EXIST ROW
80' EXIST ROW
102' PROP ROW
PROP ROW
12' LANE
12' LANE
14' TURN LANE
12' LANE
12' LANE
BEGIN PROJECT
STA 102+68(A)
BEGIN 6' SIDEWALK
STA 108+00(A)
END 6' SIDEWALK
MATCH EXIST PMT
STA 108+36(A)
BEGIN 10'
SHARED USE PATH
STA 100+18(A)
BEGIN 10'
SHARED USE PATH
STA 104+50(A)
BEGIN SUPERELEVATION
R.C.

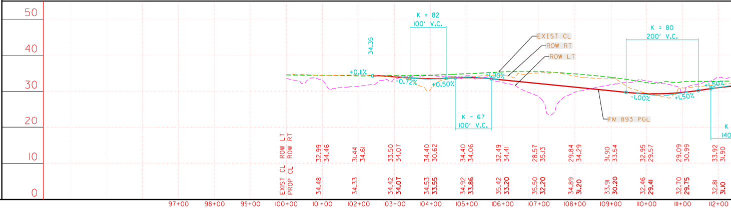
DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

AARON ASHLEY ARROYO , P.E.

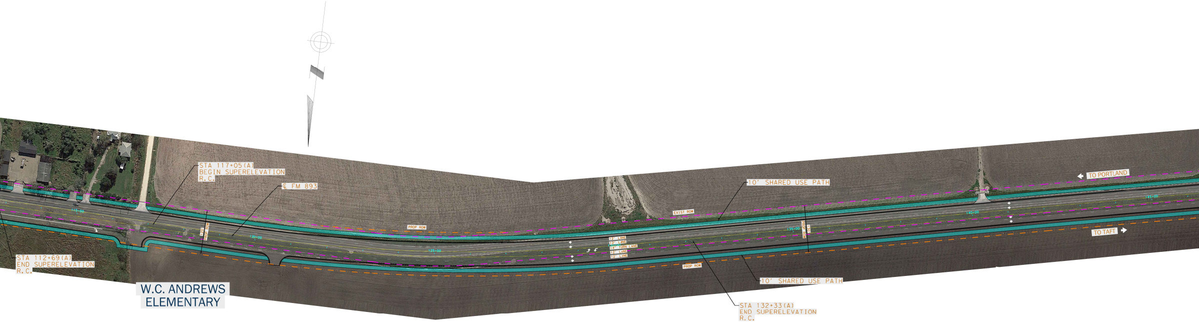
104889
TEXAS SERIAL NUMBER

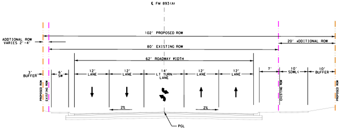
4/24/2019
DATE

PRELIMINARY
SUBJECT TO REVISION

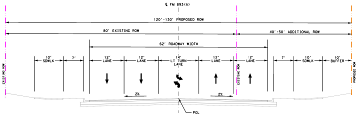


	100+00	101+00	102+00	103+00	104+00	105+00	106+00	107+00	108+00	109+00	110+00	111+00	112+00
ROW LT		32.99	31.44	33.50	34.40	34.40	32.49	28.57	29.84	31.90	32.95	29.09	33.92
ROW RT		34.46	34.61	34.07	30.62	34.06	34.41	35.13	34.29	33.54	29.57	30.99	31.90
EXIST CL		34.48	34.33	34.42	34.53	34.92	35.42	35.50	34.89	33.91	32.46	32.70	32.81
PROP CL				**34.07**	**33.55**	**33.86**	**33.20**	**32.20**	**31.20**	**30.20**	**29.41**	**29.75**	**31.10**

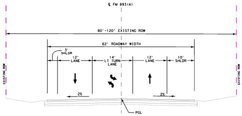

STA 117+05(A)
BEGIN SUPERELEVATION
R.C.
℄ FM 893
STA 112+69(A)
END SUPERELEVATION
R.C.
W.C. ANDREWS
ELEMENTARY
PROP ROW
EXIST ROW
12' LANE
12' LANE
14' TURN LANE
12' LANE
12' LANE
10' SHARED USE PATH
10' SHARED USE PATH
STA 132+33(A)
END SUPERELEVATION
R.C.
TO PORTLAND
TO TAFT
115+00
120+00
125+00
135+00
140+00
145+00


℄ FM 893(A)
102' PROPOSED ROW
ADDTIONAL ROW
VARIES 2'-4'
20' ADDITIONAL ROW
80' EXISTING ROW
62' ROADWAY WIDTH
3' BUFFER
6' SW
12' LANE
12' LANE
14' LT TURN LANE
12' LANE
12' LANE
7'
10' SDWLK
10' BUFFER
PROPOSED ROW
EXISTING ROW
EXISTING ROW
PROPOSED ROW
2%
2%
PGL

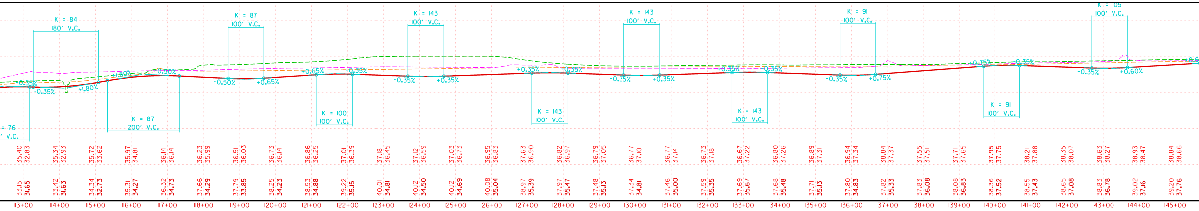
PROPOSED TYPICAL SECTION A
STA 102+68(A) TO STA 108+26(A)

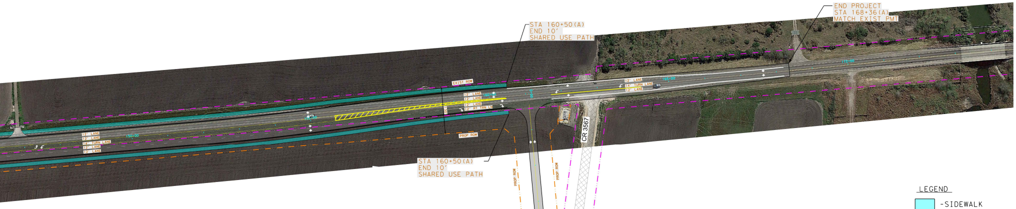

℄ FM 893(A)
120'-130' PROPOSED ROW
80' EXISTING ROW
40'-50' ADDITIONAL ROW
62' ROADWAY WIDTH
10' SDWLK
7'
12' LANE
12' LANE
14' LT TURN LANE
12' LANE
12' LANE
7'
10' SDWLK
10' BUFFER
EXISTING ROW
EXISTING ROW
PROPOSED ROW
2%
2%
PGL

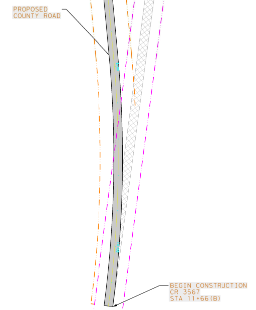
PROPOSED TYPICAL SECTION B
STA 108+26(A) TO STA 161+70(A)


℄ FM 893(A)
80'-120' EXISTING ROW
62' ROADWAY WIDTH
3' SHLDR
12' LANE
14' LT TURN LANE
12' LANE
10' SHLDR
EXISTING ROW
EXISTING ROW
2%
2%
PGL

PROPOSED TYPICAL SECTION C
STA 161+70(A) TO STA 168+36(A)

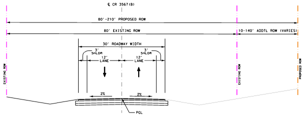



STA 160+50(A)
END 10'
SHARED USE PATH
END PROJECT
STA 168+36(A)
MATCH EXIST PMT
EXIST ROW
PROP ROW
12' LANE
12' LANE
14' TURN LANE
12' LANE
12' LANE
12' LANE
12' LANE
12' LANE
12' RT TRN LN
12' LANE
14' TURN LANE
12' LANE
150+00
160+00
165+00
170+00
CR 3567
STA 160+50(A)
END 10'
SHARED USE PATH

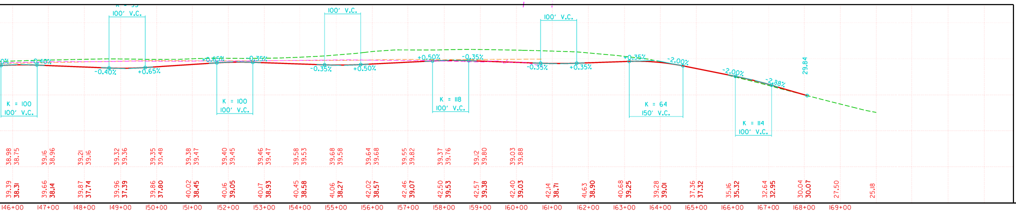

PROPOSED
COUNTY ROAD
PROP ROW
PROP ROW
BEGIN CONSTRUCTION
CR 3567
STA 11+66(B)

LEGEND

- ▭ -SIDEWALK
- ▭ -DRIVEWAY
- ▭ -PAVED ROAD
- ▨ -REMOVAL
- -·- -EXIST ROW
- -·- -PROP ROW


℄ CR 3567(B)
80'-210' PROPOSED ROW
80' EXISTING ROW
10-140' ADDTL ROW (VARIES)
30' ROADWAY WIDTH
3'
SHLDR
3'
SHLDR
12'
LANE
12'
LANE
2%
2%
PGL
EXISTING ROW
EXISTING ROW
PROPOSED ROW

PROPOSED TYPICAL SECTION CR 3567
STA 0+00(B) TO STA 11+66(B)



ALIGNMENT DATA "A"

Alignment Name:		A450
Alignment Description:		
Alignment Style:		Geom_Centerline Station
Element: Linear		
POB	( )	65+25.92 R1
PC	( )	75+51.00 R1
Tangential Direction:		N 0°21'59.36" W
Tangential Length:		
Element: Circular		
PC	( )	75+51.00 R1
PI	( )	84+99.91 R1
CC	( )	
PT	( )	90+46.95 R1
Radius:		
Delta:		89°25'31.54"
Degree of Curvature (Arc):		5°58'40.19"
Length:		
Tangent:		
Chord:		
Middle Ordinate:		
External:		
Tangent Direction:		N 0°21'59.36" W
Radial Direction:		N 89°38'00.64" E
Chord Direction:		N 45°04'45.13" W
Radial Direction:		N 0°12'29.10" E
Tangent Direction:		N 89°47'30.90" W
Element: Linear		
PT	( )	90+46.95 R1
PC	( )	97+06.62 R1
Tangential Direction:		N 89°47'30.90" W
Tangential Length:		
Element: Circular		
PC	( )	97+06.62 R1
PI	( )	98+54.68 R1
CC	( )	
PT	( )	100+01.70 R1
Radius:		
Delta:		11°48'10.71"
Degree of Curvature (Arc):		4°00'00.00"
Length:		
Tangent:		
Chord:		
Middle Ordinate:		
External:		
Tangent Direction:		N 89°47'30.90" W
Radial Direction:		N 0°12'29.10" E
Chord Direction:		N 83°53'25.54" W
Radial Direction:		N 12°00'39.81" E
Tangent Direction:		N 77°59'20.19" W
Element: Linear		
PT	( )	100+01.70 R1
PC	( )	106+57.14 R1
Tangential Direction:		N 77°59'20.19" W
Tangential Length:		
Element: Circular		
PC	( )	106+57.14 R1
PI	( )	108+60.48 R1
CC	( )	
PT	( )	110+62.70 R1
Radius:		
Delta:		10°22'25.71"
Degree of Curvature (Arc):		2°33'28.25"
Length:		
Tangent:		
Chord:		
Middle Ordinate:		
External:		
Tangent Direction:		N 77°59'20.19" W
Radial Direction:		N 12°00'39.81" E
Chord Direction:		N 83°10'33.04" W
Radial Direction:		N 1°38'14.10" E
Tangent Direction:		N 88°21'45.90" W
Element: Linear		
PT	( )	110+62.70 R1
PC	( )	119+11.77 R1
Tangential Direction:		N 88°21'45.90" W
Tangential Length:		
Element: Circular		
PC	( )	119+11.77 R1
PI	( )	124+71.92 R1
CC	( )	
PT	( )	130+26.77 R1
Radius:		
Delta:		13°39'02.15"
Degree of Curvature (Arc):		1°13'27.37"
Length:		
Tangent:		
Chord:		
Middle Ordinate:		
External:		
Tangent Direction:		N 88°21'45.90" W
Radial Direction:		N 1°38'14.10" E
Chord Direction:		S 84°48'43.03" W
Radial Direction:		N 12°00'48.05" W
Tangent Direction:		S 77°59'11.95" W
Element: Linear		
PT	( )	130+26.77 R1
PI	( )	142+01.91 R1
Tangential Direction:		S 77°59'11.95" W
Tangential Length:		
Element: Linear		
PI	( )	142+01.91 R1
PC	( )	151+73.22 R1
Tangential Direction:		S 78°14'07.97" W
Tangential Length:		
Element: Circular		
PC	( )	151+73.22 R1
PI	( )	153+99.16 R1
CC	( )	
PT	( )	156+24.98 R1
Radius:		
Delta:		3°14'07.97"
Degree of Curvature (Arc):		0°42'58.31"
Length:		

		Northing	Easting
		17211848.79	1360401.78
		17212873.85	1360395.22
1025.08			
		17212873.85	1360395.22
		17213822.74	1360389.15
		17212867.72	1359436.77
		17213826.18	1359440.25
958.47			
	Left		
1495.95			
948.91			
1348.67			
277.34			
390.27			
		17213826.18	1359440.25
		17213828.58	1358780.58
659.67			
		17213828.58	1358780.58
		17213829.12	1358632.52
		17215260.96	1358785.78
		17213859.93	1358487.7
1432.39			
	Right		
295.07			
148.06			
294.55			
7.59			
7.63			
		17213859.93	1358487.7
		17213996.32	1357846.61
655.44			
		17213996.32	1357846.61
		17214038.64	1357647.73
		17211805.36	1357380.47
		17214044.45	1357444.47
2240			
	Left		
405.57			
203.34			
405.01			
9.17			
9.21			
		17214044.45	1357444.47
		17214068.71	1356595.75
849.07			
		17214068.71	1356595.75
		17214084.71	1356035.83
		17209390.62	1356462.03
		17213968.12	1355487.94
4680			
	Left		
1115			
560.15			
1112.36			
33.17			
33.4			
		17213968.12	1355487.94
		17213723.53	1354338.54
1175.14			
		17213723.53	1354338.54
		17213525.49	1353387.63
971.31			
		17213525.49	1353387.63
		17213479.42	1353166.44
		17205693.54	1355018.74
		17213420.95	1352948.19
8000			
	Left		
451.77			

Tangent:			225.94			
Chord:			451.71			
Middle Ordinate:			3.19			
External:			3.19			
Tangent Direction:		S 78°14'07.97" W				
Radial Direction:		N 11°45'52.03" W				
Chord Direction:		S 76°37'03.99" W				
Radial Direction:		N 15°00'00.00" W				
Tangent Direction:		S 75°00'00.00" W				
Element: Linear						
PT	( )	156+24.98 R1			17213420.95	1352948.19
PC	( )	157+04.68 R1			17213400.32	1352871.21
Tangential Direction:		S 75°00'00.00" W				
Tangential Length:			79.7			
Element: Circular						
PC	( )	157+04.68 R1			17213400.32	1352871.21
PI	( )	159+30.63 R1			17213341.84	1352652.96
CC	( )				17221127.72	1350800.65
PT	( )	161+56.45 R1			17213295.77	1352431.76
Radius:			8000			
Delta:		3°14'07.97"		Right		
Degree of Curvature (Arc):		0°42'58.31"				
Length:			451.77			
Tangent:			225.94			
Chord:			451.71			
Middle Ordinate:			3.19			
External:			3.19			
Tangent Direction:		S 75°00'00.00" W				
Radial Direction:		N 15°00'00.00" W				
Chord Direction:		S 76°37'03.99" W				
Radial Direction:		N 11°45'52.03" W				
Tangent Direction:		S 78°14'07.97" W				
Element: Linear						
PT	( )	161+56.45 R1			17213295.77	1352431.76
PC	( )	167+23.76 R1			17213180.1	1351876.37
Tangential Direction:		S 78°14'07.97" W				
Tangential Length:			567.31			
Element: Circular						
PC	( )	167+23.76 R1			17213180.1	1351876.37
PI	( )	167+83.28 R1			17213167.97	1351818.1
CC	( )				17208285.13	1352895.81
PT	( )	168+42.79 R1			17213154.45	1351760.15
Radius:			5000			
Delta:		1°21'50.02"		Left		
Degree of Curvature (Arc):		1°08'45.30"				
Length:			119.02			
Tangent:			59.51			
Chord:			119.02			
Middle Ordinate:			0.35			
External:			0.35			
Tangent Direction:		S 78°14'07.97" W				
Radial Direction:		N 11°45'52.03" W				
Chord Direction:		S 77°33'12.96" W				
Radial Direction:		N 13°07'42.05" W				
Tangent Direction:		S 76°52'17.95" W				
Element: Linear						
PT	( )	168+42.79 R1			17213154.45	1351760.15
PC	( )	170+34.25 R1			17213110.96	1351573.69
Tangential Direction:		S 76°52'17.95" W				
Tangential Length:			191.46			
Element: Circular						
PC	( )	170+34.25 R1			17213110.96	1351573.69
PI	( )	171+40.69 R1			17213086.79	1351470.03
CC	( )				17222849.6	1349302.35
PT	( )	172+47.13 R1			17213064.82	1351365.88
Radius:			10000			
Delta:		1°13'10.85"		Right		
Degree of Curvature (Arc):		0°34'22.65"				
Length:			212.87			
Tangent:			106.44			
Chord:			212.87			
Middle Ordinate:			0.57			
External:			0.57			
Tangent Direction:		S 76°52'17.95" W				
Radial Direction:		N 13°07'42.05" W				
Chord Direction:		S 77°28'53.37" W				
Radial Direction:		N 11°54'31.20" W				
Tangent Direction:		S 78°05'28.80" W				
Element: Linear						
PT	( )	172+47.13 R1			17213064.82	1351365.88
PC	( )	175+48.87 R1			17213002.56	1351070.62
Tangential Direction:		S 78°05'28.80" W				
Tangential Length:			301.75			

ALIGNMENT DATA "B"

Alignment Name: CR3567
Alignment Description:
Alignment Style: Geom_Centerline

		Station			Northing	Easting
Element: Linear						
POB	( )	0+00.00 R1			17213304.96	1352479.09
PC	( )	4+64.31 R1			17213758.86	1352381.34
Tangential Direction:		N 12°09'12.44" W				
Tangential Length:			464.31			
Element: Circular						
PC	( )	4+64.31 R1			17213758.86	1352381.34
PI	( )	8+16.46 R1			17214103.12	1352307.2
CC	( )				17214417.82	1355441.19
PT	( )	11+65.67 R1			17214455.25	1352311.41
Radius:			3130			
Delta:		12°50'19.12"		Right		
Degree of Curvature (Arc):		1°49'49.93"				
Length:			701.36			
Tangent:			352.15			
Chord:			699.89			
Middle Ordinate:			19.62			
External:			19.75			
Tangent Direction:		N 12°09'12.44" W				
Radial Direction:		N 77°50'47.56" E				
Chord Direction:		N 5°44'02.88" W				
Radial Direction:		S 89°18'53.32" E				
Tangent Direction:		N 0°41'06.68" E				
Element: Linear						
PT	( )	11+65.67 R1			17214455.25	1352311.41
POE	( )	20+34.99 R1			17215324.51	1352321.81
Tangential Direction:		N 0°41'06.68" E				
Tangential Length:			869.32			