TEXAS DEPARTMENT OF TRANSPORTATION

SCHEMATIC LAYOUT

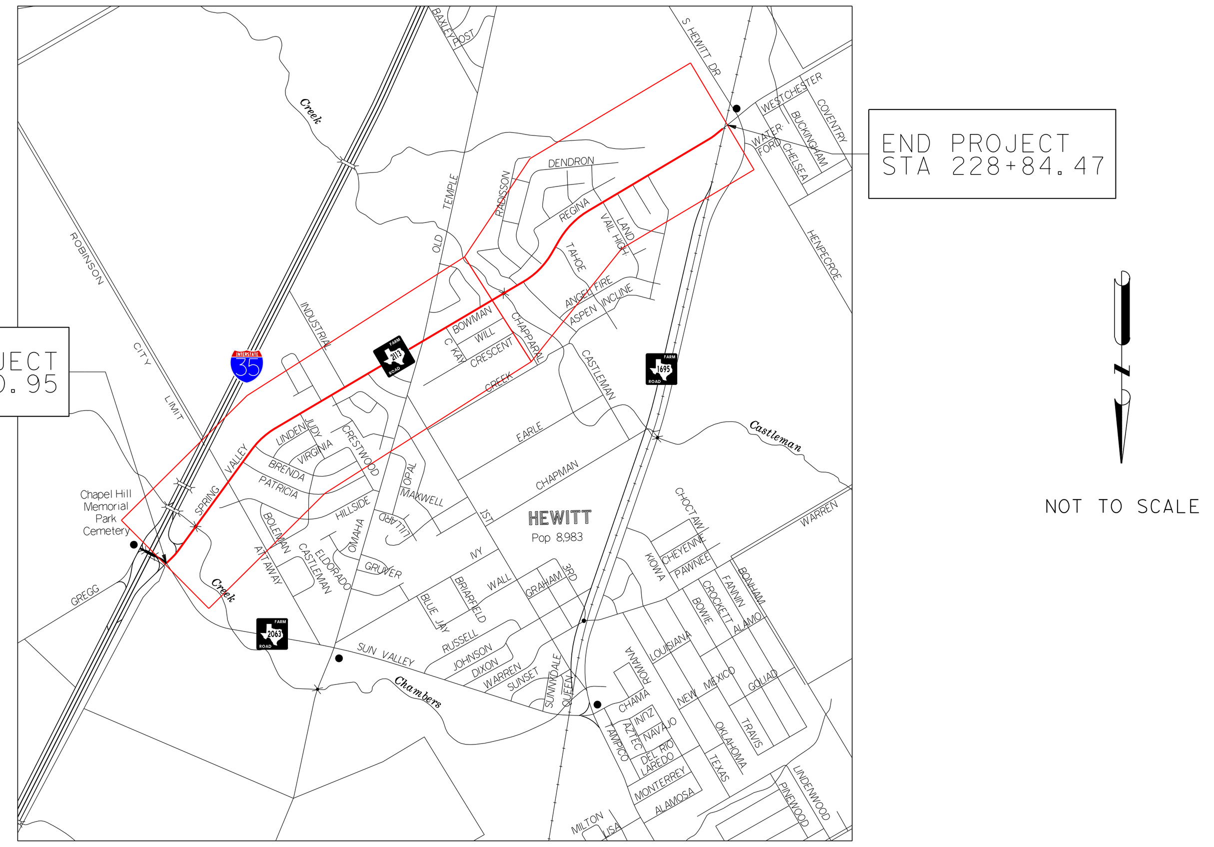
FM 2113

McLENNAN COUNTY

FEDERAL AID PROJECT:
STP XXXX (XXX)
CSJ: 2060-01-037

LIMITS: FROM FM 2063 TO FM 1695
LENGTH: 11,801.58 FT = 2.235 MI

WACO DISTRICT



BEARINGS BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, NAD83, CENTRAL ZONE AND ADJUSTED TO SURFACE USING PROJECTED SURFACE ADJUSTMENT FACTOR OF 1.000120.

EQUATION: NONE
RAILROADS: NONE
EXCEPTION: NONE

DESIGN SPEED:	MAINLANE	50 MPH (URBAN)(ROLLING)
CURRENT ADT(2019):		6700
PROJECTED ADT(2039):		9200
FUNCTIONAL CLASSIFICATION:		MINOR ARTERIAL
PROPOSED DESIGN STANDARDS(ROADWAY):		ROADWAY DESIGN MANUAL CHAPTER 3; 4R, SECTION 2; URBAN STREETS
PROPOSED DESIGN STANDARDS(TRAFFIC):		TMUTCD & APPLICABLE TRAFFIC STANDARDS
PLOT SCALE:		1":100' (HORZ.) 1":10' (VERT.)

PRELIMINARY
SUBJECT TO CHANGE

SANCHEZ-SALAZAR & ASSOCIATES, LLC
TBPE FIRM REGISTRATION NO. 15685

INTERIM REVIEW ONLY
DOCUMENT IS FOR INTERIM REVIEW AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
Engineer: JUAN CARLOS SANCHEZ
P.E. Serial No.: 93954
Date: 4/04/2017

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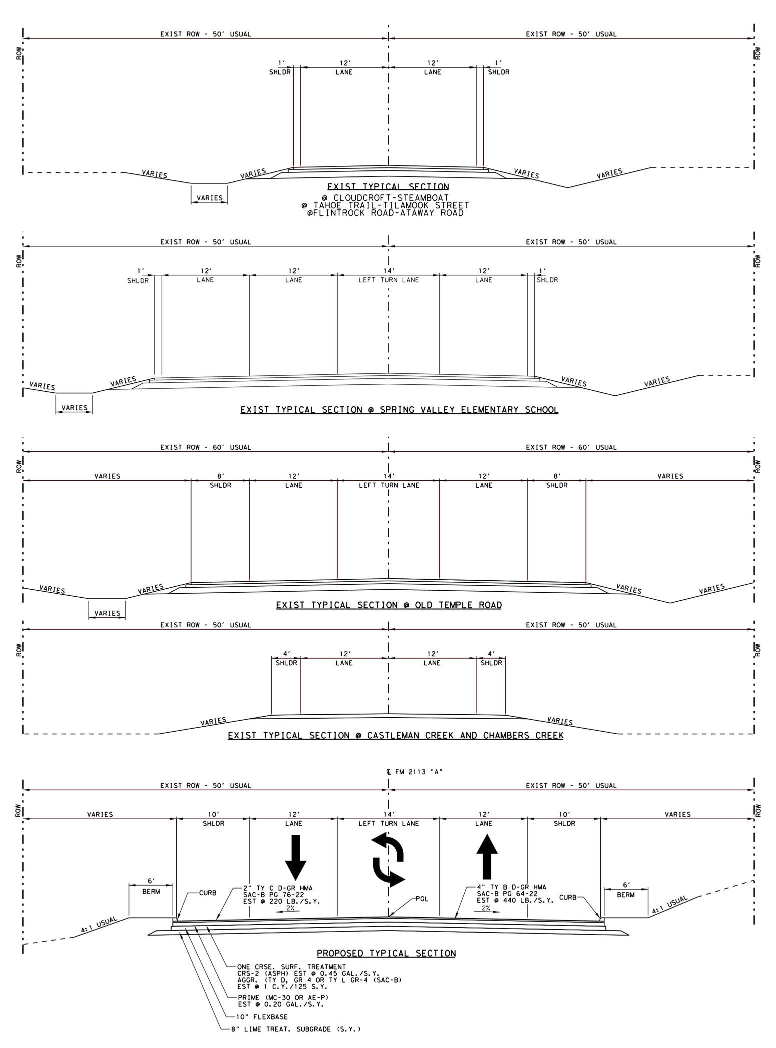
TYPICAL SECTIONS



HORIZONTAL ALIGNMENT DATA

Curve Data

Curve C3					
P.I. Station	188+43.34	N	10,504,029.9227	E	3,275,340.5167
Delta =	29° 15' 20.66" (LT)				
Degree =	3° 57' 05.16"				
Tangent =	378.4500				
Length =	740.3830				
Radius =	1,450.0000				
External =	48.5741				
Long Chord =	732.3661				
Mid. Ord. =	46.9997				
P.C. Station	184+64.89	N	10,504,225.0640	E	3,275,664.7762
P.T. Station	192+05.27	N	10,503,701.2039	E	3,275,152.9846
C.C.		N	10,502,982.6901	E	3,276,412.4440
Back =	S 58° 57' 36.82" W				
Ahead =	S 29° 42' 16.16" W				
Chord Bear =	S 44° 19' 56.49" W				

Course from PT C3 to PC C4 S 29° 42' 16.16" W Dist 311.8467

Curve Data

Curve C4					
P.I. Station	199+14.62	N	10,503,085.0710	E	3,274,801.4847
Delta =	28° 46' 01.90" (RT)				
Degree =	3° 41' 47.41"				
Tangent =	397.4994				
Length =	778.2275				
Radius =	1,550.0000				
External =	50.1581				
Long Chord =	770.0790				
Mid. Ord. =	48.5858				
P.C. Station	195+17.12	N	10,503,430.3361	E	3,274,998.4562
P.T. Station	202+95.35	N	10,502,877.2106	E	3,274,462.6634
C.C.		N	10,504,198.4025	E	3,273,652.1376
Back =	S 29° 42' 16.16" W				
Ahead =	S 58° 28' 18.06" W				
Chord Bear =	S 44° 05' 17.11" W				

Course from PT C4 to 5 S 58° 28' 18.06" W Dist 205.2997

Point 5 N 10,502,769.8554 E 3,274,287.6697 Sta 205+00.65

Course from 5 to 6 S 58° 43' 18.06" W Dist 499.9794

Point 6 N 10,502,510.2682 E 3,273,860.3596 Sta 210+00.63

Course from 6 to 7 S 58° 58' 18.06" W Dist 220.0038

Point 7 N 10,502,396.8647 E 3,273,671.8356 Sta 212+20.63

Course from 7 to PC C5 S 59° 13' 18.06" W Dist 1,220.2811

Curve Data

Curve C5					
P.I. Station	225+86.51	N	10,501,697.9206	E	3,272,498.3364
Delta =	8° 19' 38.69" (LT)				
Degree =	2° 51' 53.24"				
Tangent =	145.5972				
Length =	290.6816				
Radius =	2,000.0000				
External =	5.2926				
Long Chord =	290.4258				
Mid. Ord. =	5.2787				
P.C. Station	224+40.91	N	10,501,772.4253	E	3,272,623.4267
P.T. Station	227+31.59	N	10,501,606.0847	E	3,272,385.3554
C.C.		N	10,500,054.1180	E	3,273,646.8622
Back =	S 59° 13' 18.06" W				
Ahead =	S 50° 53' 39.37" W				
Chord Bear =	S 55° 03' 28.72" W				

Course from PT C5 to PC C6 S 50° 53' 39.37" W Dist 437.1328

Curve Data

Curve C6					
P.I. Station	233+79.47	N	10,501,197.4321	E	3,271,882.6113
Delta =	7° 05' 02.12" (RT)				
Degree =	1° 40' 58.13"				
Tangent =	210.7472				
Length =	420.9573				
Radius =	3,404.7626				
External =	6.5162				
Long Chord =	420.6892				
Mid. Ord. =	6.5037				
P.C. Station	231+68.73	N	10,501,330.3616	E	3,272,046.1476
P.T. Station	235+89.68	N	10,501,085.6851	E	3,271,703.9301
C.C.		N	10,503,972.4006	E	3,269,898.5819
Back =	S 50° 53' 39.37" W				
Ahead =	S 57° 58' 41.49" W				
Chord Bear =	S 54° 26' 10.43" W				

Course from PT C6 to 8 S 57° 58' 41.49" W Dist 362.4300

Point 8 N 10,500,893.5095 E 3,271,396.6451 Sta 239+52.11

Ending chain FM2113 BL description

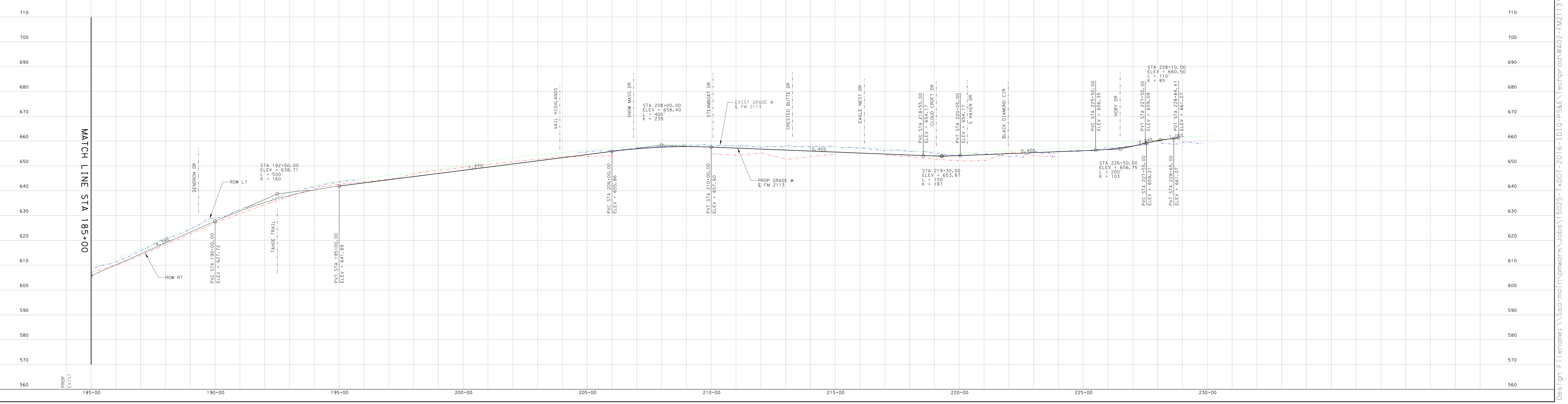
LEGEND

- FULL DEPTH RECONSTRUCTION
- MILL & OVERLAY
- DRIVEWAYS
- CURB INLET

NOTES:

1. DIMENSIONS AND CALLOUTS ARE TO BASELINE "FM2113", UNLESS OTHERWISE INDICATED.

PRELIMINARY
SUBJECT TO CHANGE



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