STATE OF TEXAS
TEXAS DEPARTMENT OF TRANSPORTATION

SCHEMATIC LAYOUT OF PROPOSED STATE HIGHWAY IMPROVEMENT

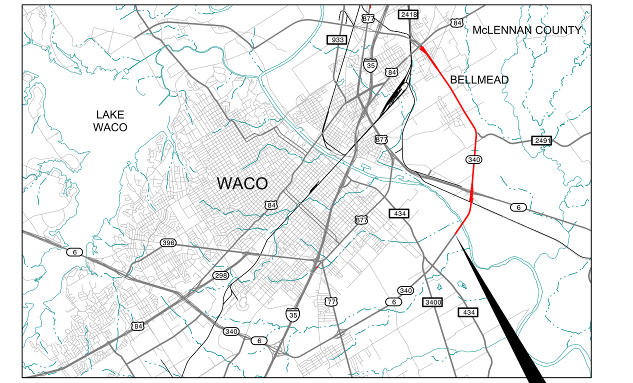
SL 340
McLENNAN COUNTY

CSJ 2362-01-034, 0258-09-143

LIMITS:
FROM THE BRAZOS RIVER
NORTH TO US 84

OFFICE OF DISTRICT ENGINEER
WACO DISTRICT

11/03/2017



LOCATION MAP
NOT TO SCALE

PROJECT LOCATION

DESIGN SPEEDS:
70 MPH MAINLANES (SL 340)
45 MPH RAMPS
45 MPH FRONTAGE ROADS
40 MPH CROSS STREETS
TRAFFIC PROJECTIONS (AADT):
21,985 (2019)
30,150 (2039)

100% SUBMITTAL

LEGEND

- EXISTING ROW
- DENIAL OF ACCESS
- RETAINING WALL
- PROPOSED MAINLANE
- PROPOSED FRONTAGE ROAD
- DRIVEWAY / CROSS STREET
- BRIDGE OR BRIDGE CLASS CULVERT
- PROPOSED RAMP
- PROPOSED SIDEWALK
- CURVE # CURVE DATA

UTILITY LEGEND

- OVERHEAD ELECTRIC LINES
- UNDERGROUND FIBER OPTIC LINES
- UNDERGROUND GAS LINE
- PETROLEUM PIPELINE
- SANITARY SEWER LINE
- OVERHEAD TELEPHONE LINE
- OVERHEAD CABLE/TV LINE
- WATERLINE

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BRYAN ALLDREDGE, P.E.
TEXAS REGISTRATION NO: 116211
DATE: 10/19/2018
IT IS NOT TO BE USED FOR BIDDING, CONSTRUCTION, OR PERMIT PURPOSES.

CONCURRENCE

DISTRICT ENGINEER DATE

DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT DATE

AREA ENGINEER DATE

100 0 100 200
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1"=10'

ROLL 4 OF 8

IEA
18333 PRESTON ROAD
SUITE 205
DALLAS, TEXAS 75252
(214) 884-4253
FIRM REGISTRATION NO. F-10161

Texas Department of Transportation
Waco District

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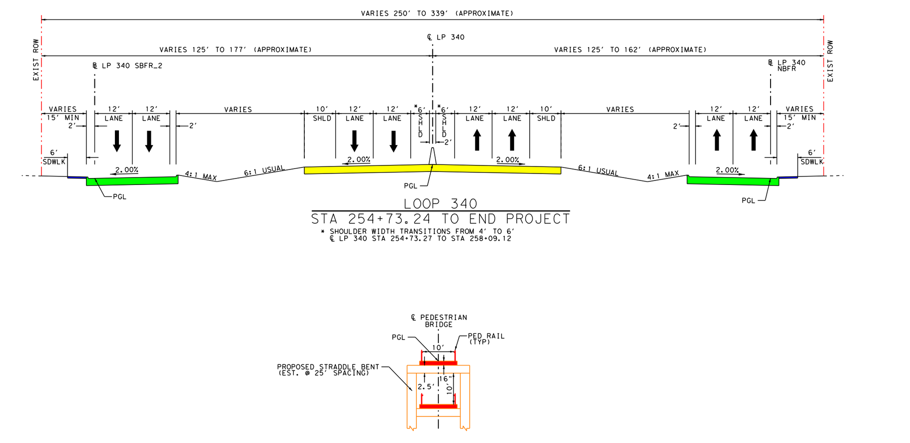
TYPICAL SECTIONS



GENERAL NOTES

1. EXISTING ROW SHOWN IS APPARENT ROW BASED ON EXISTING ROW MAP AND LOCATED ROW MONUMENTS.

2. PARCEL BOUNDARIES AND OWNERSHIP DATA SHOWN WERE OBTAINED FROM THE MCLENNAN COUNTY TAX APPRAISAL DISTRICT, AUGUST 2017.

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2039 PROJECTIONS	FROM US 84 TO LP 484
AVERAGE DAILY TRAFFIC - 2019(2039)	21,985 (30,150)
DIRECTIONAL DISTRIBUTION	55-45
PERCENT TRUCKS OF DHV	6.7
K FACTOR	11.4

HORIZONTAL GEOMETRY

℄ LP 340

Bearing:	N 34°34'26.7" W		
CL LP 340-5			
PC	281+75.00	10,560,291.25	3,307,757.69
PI	287+22.29	10,560,742.63	3,307,448.18
CC		10,558,142.98	3,304,624.72
PT	292+62.10	10,561,088.27	3,307,023.85
Radius:	3798.76		
Delta:	16°23'47.5"	Left	
Degree of Curvature (Arc):	1°30'29.8"		
Length:	1087.11		
Tangent:	547.29		
POE	299+64.09	10,561,531.65	3,306,479.60
Bearing:	N 50°49'54.3" W		

℄ LP 340 SBFR_2

Bearing:	N 34°31'32.2" W		
SBFR_2-15			
PC	209+16.25 R1	10,560,433.93	3,307,535.03
PI	212+37.22 R1	10,560,698.37	3,307,353.12
CC		10,559,300.38	3,305,887.28
PT	215+52.75 R1	10,560,892.60	3,307,097.59
Radius:	2000		
Delta:	18°14'04.3"	Left	
Degree of Curvature (Arc):	2°51'53.2"		
Length:	636.5		
Tangent:	320.97		
POE	219+43.81 R1	10,561,129.25	3,306,786.27
Bearing:	N 52°45'36.5" W		

℄ LP 340 NBFR

Bearing:	N 34°34'26.7" W		
NBFR-14			
PC	262+68.18	10,558,831.55	3,308,879.07
PI	264+20.71	10,558,958.43	3,308,794.42
CC		10,573,390.91	3,330,702.08
PRC	265+73.23	10,559,086.29	3,308,711.25
Radius:	26233.92		
Delta:	0°39'58.4"	Right	
Degree of Curvature (Arc):	0°13'06.3"		
Length:	305.05		
Tangent:	152.53		
Tangent Direction:	N 33°02'35.7" W		
NBFR-15			
PRC	265+73.23	10,559,086.29	3,308,711.25
PI	266+41.07	10,559,143.08	3,308,674.15
CC		10,556,187.41	3,304,274.31
PT	267+08.90	10,559,198.90	3,308,635.61
Radius:	5300		
Delta:	1°27'59.7"	Left	
Degree of Curvature (Arc):	1°04'51.8"		
Length:	135.66		
Tangent:	67.84		
Bearing:	N 34°37'30.5" W		
NBFR-16			
PC	281+08.49	10,560,350.61	3,307,840.35
PI	284+65.67	10,560,644.53	3,307,637.40
CC		10,558,208.48	3,304,738.06
PRC	288+20.73	10,560,895.11	3,307,382.86
Radius:	3770		
Delta:	10°49'27.9"	Left	
Degree of Curvature (Arc):	1°31'11.2"		
Length:	712.23		
Tangent:	357.18		
Tangent Direction:	N 45°26'58.3" W		
NBFR-17			
PRC	288+20.73	10,560,895.11	3,307,382.86
PI	289+50.36	10,560,986.05	3,307,290.48
CC		10,564,244.48	3,310,680.08
PT	290+79.93	10,561,081.95	3,307,203.25
Radius:	4700		
Delta:	3°09'35.5"	Right	
Degree of Curvature (Arc):	1°13'08.6"		
Length:	259.21		
Tangent:	129.64		
Tangent Direction:	N 42°17'22.8" W		

℄ SBX WILLIAMS

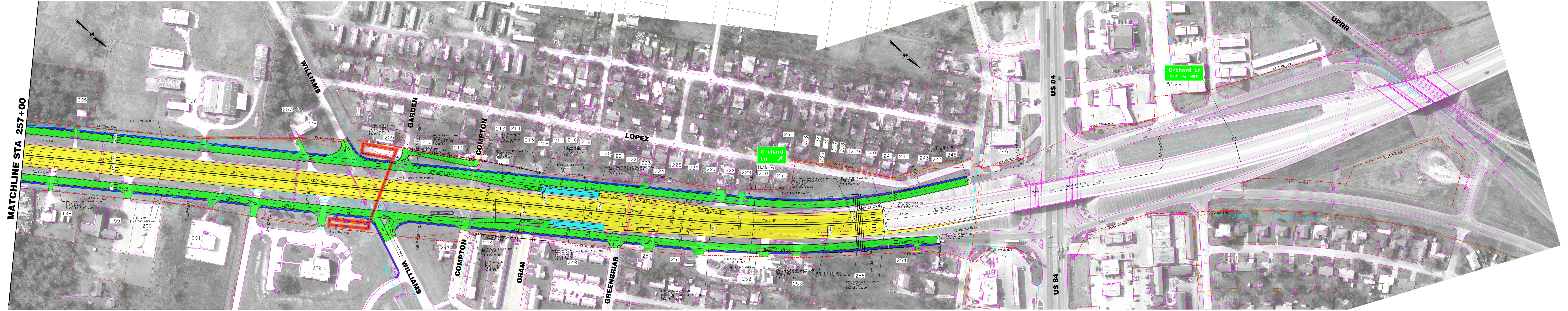
SBX WILLIAMS-1			
PC	10+00.00	10,559,407.77	3,308,253.10
PI	11+41.46	10,559,524.32	3,308,172.93
CC		10,561,031.46	3,310,613.33
PRC	12+82.69	10,559,648.20	3,308,104.62
Radius:	2864.79		
Delta:	5°39'13.8"	Right	
Degree of Curvature (Arc):	2°00'00.0"		
Length:	282.69		
Tangent:	141.46		
Tangent Direction:	N 28°52'18.4" W		
SBX WILLIAMS-2			
PRC	12+82.69	10,559,648.20	3,308,104.62
PI	14+15.32	10,559,763.89	3,308,039.77
CC		10,558,247.41	3,305,605.66
PT	15+47.75	10,559,873.09	3,307,964.51
Radius:	2864.79		
Delta:	5°18'04.5"	Left	
Degree of Curvature (Arc):	2°00'00.0"		
Length:	265.06		
Tangent:	132.63		
Bearing:	N 34°34'26.7" W		
SBX WILLIAMS-3			
PC	16+90.58	10,559,990.69	3,307,883.46
PI	18+34.38	10,560,109.10	3,307,801.86
CC		10,562,158.27	3,311,028.59
PRC	19+78.06	10,560,233.31	3,307,729.38
Radius:	3819.72		
Delta:	4°18'43.9"	Right	
Degree of Curvature (Arc):	1°30'00.0"		
Length:	287.48		
Tangent:	143.81		
Tangent Direction:	N 30°15'42.8" W		
SBX WILLIAMS-4			
PRC	19+78.06	10,560,233.31	3,307,729.38
PI	23+67.84	10,560,569.98	3,307,532.95
CC		10,558,789.59	3,305,254.98
PT	27+52.86	10,560,841.93	3,307,253.71
Radius:	2864.79		
Delta:	15°29'46.3"	Left	
Degree of Curvature (Arc):	2°00'00.0"		
Length:	774.81		
Tangent:	389.78		
Tangent Direction:	N 45°45'29.1" W		

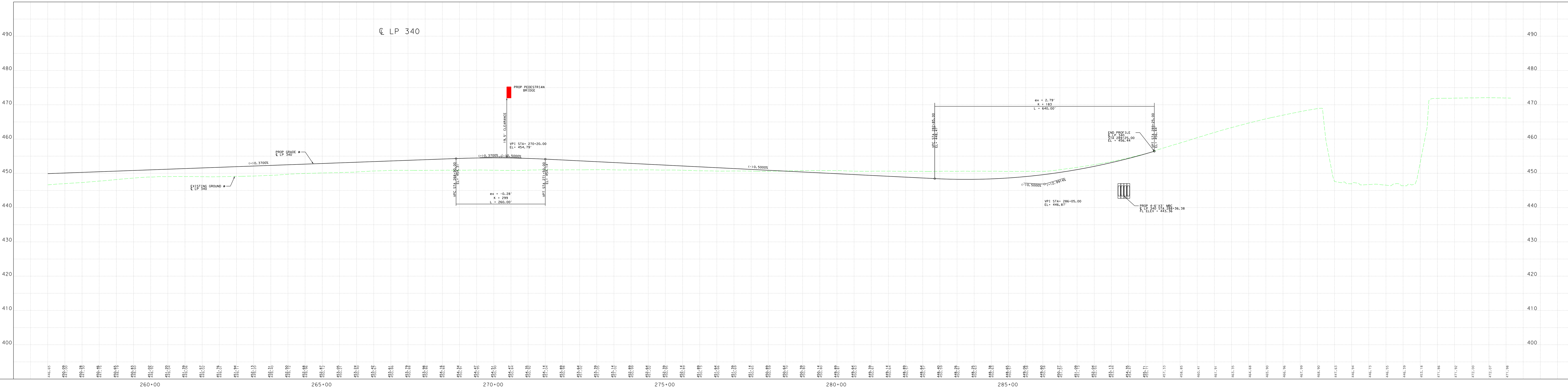
℄ PEDESTRIAN BRIDGE

POB	10+00.00	10,559,306.60	3,308,287.33
Bearing:	S 29°47'42.1" E		
PT	11+06.17	10,559,214.46	3,308,340.09
Bearing:	S 60°12'17.9" W		
PT	11+38.75	10,559,198.28	3,308,311.82
Bearing:	N 29°47'42.1" W		
PT	12+61.84	10,559,305.10	3,308,250.66
Bearing:	N 70°25'33.3" E		
PT	13+96.97	10,559,316.87	3,308,283.76
Bearing:	S 29°47'42.1" E		
PT	14+15.82	10,559,213.72	3,308,342.82
Bearing:	S 60°12'17.9" W		
PT	14+52.40	10,559,195.55	3,308,311.08
Bearing:	N 29°47'42.1" W		
PT	15+79.88	10,559,306.18	3,308,247.73
Bearing:	N 70°25'33.3" E		
PT	18+70.88	10,559,403.67	3,308,521.91
Bearing:	S 34°37'30.5" E		
PT	20+19.71	10,559,281.19	3,308,606.48
Bearing:	N 55°25'33.3" E		
PT	20+42.22	10,559,293.97	3,308,625.01
Bearing:	N 34°37'30.5" W		
PT	21+89.68	10,559,415.31	3,308,541.23
Bearing:	S 55°22'29.5" W		
PT	22+09.19	10,559,404.22	3,308,525.18
Bearing:	S 34°37'30.5" E		
PT	23+54.63	10,559,284.54	3,308,607.82
Bearing:	N 55°25'33.3" E		
PT	23+76.14	10,559,296.75	3,308,625.52
Bearing:	N 34°37'30.5" W		
POE	25+47.60	10,559,437.84	3,308,528.10

℄ NBE WILLIAMS

NBE WILLIAMS-1			
PC	10+00.00	10,559,542.87	3,308,385.95
PI	11+39.22	10,559,657.43	3,308,306.84
CC		10,557,915.08	3,306,028.55
PRC	12+78.23	10,559,763.78	3,308,217.00
Radius:	2864.79		
Delta:	5°33'52.3"	Left	
Degree of Curvature (Arc):	2°00'00.0"		
Length:	278.23		
Tangent:	139.22		
Tangent Direction:	N 40°11'22.8" W		
NBE WILLIAMS-2			
PRC	12+78.23	10,559,763.78	3,308,217.00
PI	14+17.45	10,559,870.14	3,308,127.15
CC		10,561,612.49	3,310,405.44
PT	15+56.45	10,559,984.70	3,308,048.05
Radius:	2864.79		
Delta:	5°33'52.3"	Right	
Degree of Curvature (Arc):	2°00'00.0"		
Length:	278.23		
Tangent:	139.22		
Bearing:	N 34°37'30.5" W		
NBE WILLIAMS-3			
PC	16+07.62	10,560,026.81	3,308,018.97
PI	16+84.53	10,560,090.09	3,307,975.27
CC		10,558,399.02	3,305,661.57
PT	17+61.39	10,560,150.94	3,307,928.24
Radius:	2864.79		
Delta:	3°04'31.6"	Left	
Degree of Curvature (Arc):	2°00'00.0"		
Length:	153.77		
Tangent:	76.9		
POE	21+92.81	10,560,492.28	3,307,664.42
Bearing:	N 37°42'02.1" W		





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