

DATE: 1/22/2021 11:57:07 AM
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Beginning chain FM_1390_CL description
Feature: Geom_Centerline
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Point 4 N 6,866,896.4153 E 2,612,419.1321 Sta 0+00.00

Course from 4 to PC FM_1390_CL_3 N 48° 25' 40.54" W Dist 1,343.9322

Curve Data

Curve FM_1390_CL_3
P.I. Station 14+60.73 N 6,867,865.7023 E 2,611,326.3255
Delta = 2° 20' 08.56" (LT)
Degree = 1° 00' 00.00"
Tangent = 116.8017
Length = 233.5711
Radius = 5,729.5800
External = 1.1904
Long Chord = 233.5550
Mid. Ord. = 1.1902
P.C. Station 13+43.93 N 6,867,788.1971 E 2,611,413.7074
P.T. Station 15+77.50 N 6,867,939.5819 E 2,611,235.8575
C.C. N 6,863,501.7745 E 2,607,611.7779
Back = N 48° 25' 40.54" W
Ahead = N 50° 45' 49.09" W
Chord Bear = N 49° 35' 44.82" W

Course from PT FM_1390_CL_3 to PC FM_1390_CL_6 N 50° 45' 49.09" W Dist 1,389.4051

Curve Data

Curve FM_1390_CL_6
P.I. Station 32+28.84 N 6,868,984.0852 E 2,609,956.8281
Delta = 5° 14' 05.75" (RT)
Degree = 1° 00' 00.00"
Tangent = 261.9288
Length = 523.4931
Radius = 5,729.5800
External = 5.9839
Long Chord = 523.3110
Mid. Ord. = 5.9777
P.C. Station 29+66.91 N 6,868,818.4097 E 2,610,159.7032
P.T. Station 34+90.40 N 6,869,167.5799 E 2,609,769.9153
C.C. N 6,873,256.2171 E 2,613,783.7829
Back = N 50° 45' 49.09" W
Ahead = N 45° 31' 43.35" W
Chord Bear = N 48° 08' 46.22" W

Course from PT FM_1390_CL_6 to PC FM_1390_CL_9 N 45° 31' 43.35" W Dist 1,169.3117

Curve Data

Curve FM_1390_CL_9
P.I. Station 47+19.84 N 6,870,028.8673 E 2,608,892.5839
Delta = 1° 08' 54.08" (RT)
Degree = 0° 57' 17.75"
Tangent = 60.1298
Length = 120.2556
Radius = 6,000.0000
External = 0.3013
Long Chord = 120.2536
Mid. Ord. = 0.3013
P.C. Station 46+59.71 N 6,869,986.7433 E 2,608,935.4927
P.T. Station 47+79.97 N 6,870,071.8429 E 2,608,850.5280
C.C. N 6,874,268.3526 E 2,613,138.8035
Back = N 45° 31' 43.35" W
Ahead = N 44° 22' 49.27" W
Chord Bear = N 44° 57' 16.31" W

Course from PT FM_1390_CL_9 to PC FM_1390_CL_12 N 44° 22' 49.27" W Dist 938.7408

P.I. 57+43.40
Radius 5,729.58 right. PC 57+18.71
L= 49.39. N> 6870742.773
E> 2608193.955

PT 57+68.10
N> 6870778.222
E> 2608159.563

Curve Data

Curve FM_1390_CL_15
P.I. Station 77+00.43 N 6,872,170.8795 E 2,606,820.0128
Delta = 3° 38' 43.41" (LT)
Degree = 0° 57' 17.75"
Tangent = 190.9366
Length = 381.7444
Radius = 6,000.0000
External = 3.0373
Long Chord = 381.6800
Mid. Ord. = 3.0358
P.C. Station 75+09.49 N 6,872,033.2686 E 2,606,952.3760
P.T. Station 78+91.24 N 6,872,299.7962 E 2,606,679.1679
C.C. N 6,867,873.8805 E 2,602,628.0853
Back = N 43° 53' 11.21" W
Ahead = N 47° 31' 54.61" W
Chord Bear = N 45° 42' 32.91" W

Course from PT FM_1390_CL_15 to PC FM_1390_CL_18 N 47° 31' 54.61" W Dist 455.2252

Curve Data

Curve FM_1390_CL_18
P.I. Station 83+99.23 N 6,872,642.7861 E 2,606,304.4423
Delta = 1° 12' 33.86" (RT)
Degree = 1° 08' 45.30"
Tangent = 52.7722
Length = 105.5405
Radius = 5,000.0000
External = 0.2785
Long Chord = 105.5385
Mid. Ord. = 0.2785
P.C. Station 83+46.46 N 6,872,607.1554 E 2,606,343.3698
P.T. Station 84+52.00 N 6,872,679.2306 E 2,606,266.2754
C.C. N 6,876,295.4185 E 2,609,719.2720
Back = N 47° 31' 54.61" W
Ahead = N 46° 19' 20.75" W
Chord Bear = N 46° 55' 37.68" W

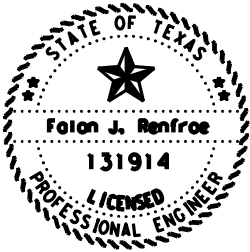
Course from PT FM_1390_CL_18 to PC FM_1390_CL_21 N 46° 19' 20.75" W Dist 1,646.7149

Curve Data

Curve FM_1390_CL_21
P.I. Station 101+63.71 N 6,873,861.3367 E 2,605,028.3020
Delta = 1° 17' 59.48" (LT)
Degree = 1° 00' 00.00"
Tangent = 64.9956
Length = 129.9857
Radius = 5,729.5800
External = 0.3686
Long Chord = 129.9829
Mid. Ord. = 0.3686
P.C. Station 100+98.72 N 6,873,816.4508 E 2,605,075.3093
P.T. Station 102+28.70 N 6,873,905.1447 E 2,604,980.2886
C.C. N 6,869,672.6032 E 2,601,118.4653
Back = N 46° 19' 20.75" W
Ahead = N 47° 37' 20.24" W
Chord Bear = N 46° 58' 20.50" W

Course from PT FM_1390_CL_21 to PC FM_1390_CL_24 N 47° 37' 20.24" W Dist 926.4632

1 ADDENDUM
SHEET ADDED
1/22/2021



Falan Renfree, P.E. 1/22/2021
Signature of Registrant & Date



FM 1390
ALIGNMENT DATA

SHEET 1 OF 3

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
FR	6	(SEE TITLE SHEET)		FM 1390
GRAPHICS	FR	STATE	DISTRICT	COUNTY
CHECK	JR	TEXAS	DAL	KAUFMAN
CHECK	FR	CONTROL	SECTION	JOB
		2982	01	007

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Curve Data				

Curve FM_1390_CL_24				
P.I. Station	113+27.51	N	6,874,645.7592	E 2,604,168.5784
Delta	= 10° 56' 18.92"	(RT)		
Degree	= 3° 10' 59.16"			
Tangent	= 172.3467			
Length	= 343.6459			
Radius	= 1,800.0000			
External	= 8.2321			
Long Chord	= 343.1242			
Mid. Ord.	= 8.1946			
P.C. Station	111+55.17	N	6,874,529.5949	E 2,604,295.8940
P.T. Station	114+98.81	N	6,874,783.9719	E 2,604,065.6190
C.C.		N	6,875,859.2865	E 2,605,509.1211
Back	= N 47° 37' 20.24"	W		
Ahead	= N 36° 41' 01.32"	W		
Chord Bear	= N 42° 09' 10.78"	W		

Course from PT FM_1390_CL_24 to PC FM_1390_CL_27 N 36° 41' 01.32" W Dist 726.3028

Curve Data				

Curve FM_1390_CL_27				
P.I. Station	122+42.33	N	6,875,380.2270	E 2,603,621.4270
Delta	= 0° 45' 29.00"	(LT)		
Degree	= 2° 12' 03.90"			
Tangent	= 17.2203			
Length	= 34.4402			
Radius	= 2,603.0713			
External	= 0.0570			
Long Chord	= 34.4399			
Mid. Ord.	= 0.0570			
P.C. Station	122+25.11	N	6,875,366.4273	E 2,603,631.7278
P.T. Station	122+59.55	N	6,875,393.8892	E 2,603,610.9445
C.C.		N	6,873,809.3269	E 2,601,545.7224
Back	= N 36° 44' 22.30"	W		
Ahead	= N 37° 29' 51.30"	W		
Chord Bear	= N 37° 07' 06.80"	W		

Course from PT FM_1390_CL_27 to PC FM_1390_CL_30 N 37° 40' 08.15" W Dist 621.6537

Curve Data				

Curve FM_1390_CL_30				
P.I. Station	133+24.18	N	6,876,236.6149	E 2,602,960.3734
Delta	= 26° 06' 59.62"	(RT)		
Degree	= 3° 00' 00.00"			
Tangent	= 442.9726			
Length	= 870.5524			
Radius	= 1,909.8600			
External	= 50.6986			
Long Chord	= 863.0354			
Mid. Ord.	= 49.3876			
P.C. Station	128+81.21	N	6,875,885.9623	E 2,603,231.0532
P.T. Station	137+51.76	N	6,876,670.6188	E 2,602,871.6867
C.C.		N	6,877,052.9883	E 2,604,742.8785
Back	= N 37° 39' 56.49"	W		
Ahead	= N 11° 32' 56.87"	W		
Chord Bear	= N 24° 36' 26.68"	W		

Course from PT FM_1390_CL_30 to PC FM_1390_CL_33 N 11° 32' 56.87" W Dist 1,466.6529

Curve Data				

Curve FM_1390_CL_33				
P.I. Station	158+28.49	N	6,878,705.3057	E 2,602,455.9077
Delta	= 56° 03' 40.07"	(RT)		
Degree	= 4° 59' 59.93"			
Tangent	= 610.0808			
Length	= 1,121.2269			
Radius	= 1,145.9200			
External	= 152.2831			
Long Chord	= 1,077.0331			
Mid. Ord.	= 134.4198			
P.C. Station	152+18.41	N	6,878,107.5769	E 2,602,578.0508
P.T. Station	163+39.64	N	6,879,140.3566	E 2,602,883.6101
C.C.		N	6,878,336.9995	E 2,603,700.7698
Back	= N 11° 32' 56.87"	W		
Ahead	= N 44° 30' 43.20"	E		
Chord Bear	= N 16° 28' 53.16"	E		

Course from PT FM_1390_CL_33 to PC FM_1390_CL_36 N 44° 30' 43.20" E Dist 1,911.7403

Curve Data				

Curve FM_1390_CL_36				
P.I. Station	186+56.24	N	6,880,792.3334	E 2,604,507.6834
Delta	= 31° 33' 56.13"	(LT)		
Degree	= 4° 00' 00.05"			
Tangent	= 404.8610			
Length	= 789.1373			
Radius	= 1,432.3900			
External	= 56.1172			
Long Chord	= 779.1953			
Mid. Ord.	= 54.0015			
P.C. Station	182+51.38	N	6,880,503.6255	E 2,604,223.8521
P.T. Station	190+40.52	N	6,881,186.9029	E 2,604,598.3883
C.C.		N	6,881,507.8149	E 2,603,202.4096
Back	= N 44° 30' 43.20"	E		
Ahead	= N 12° 56' 47.06"	E		
Chord Bear	= N 28° 43' 45.13"	E		

Course from PT FM_1390_CL_36 to PC FM_1390_CL_39 N 12° 56' 47.06" E Dist 869.0225

Curve Data				

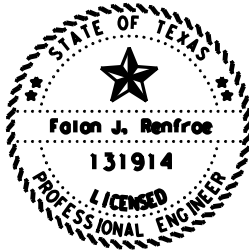
Curve FM_1390_CL_39				
P.I. Station	203+03.48	N	6,882,417.7627	E 2,604,881.3423
Delta	= 30° 45' 18.25"	(RT)		
Degree	= 4° 00' 00.05"			
Tangent	= 393.9417			
Length	= 768.8743			
Radius	= 1,432.3900			
External	= 53.1844			
Long Chord	= 759.6768			
Mid. Ord.	= 51.2803			
P.C. Station	199+09.54	N	6,882,033.8349	E 2,604,793.0837
P.T. Station	206+78.42	N	6,882,702.5626	E 2,605,153.5170
C.C.		N	6,881,712.9229	E 2,606,189.0625
Back	= N 12° 56' 47.06"	E		
Ahead	= N 43° 42' 05.31"	E		
Chord Bear	= N 28° 19' 26.19"	E		

Course from PT FM_1390_CL_39 to 5 N 43° 41' 51.38" E Dist 4,825.3177

Point 5 N 6,886,191.2481 E 2,608,487.0984 Sta 255+03.73

Course from 5 to PC FM_1390_CL_44 N 43° 05' 25.59" E Dist 1,330.2502

ADDENDUM
SHEET ADDED
1/22/2021



Falen Renfroe, P.E. 1/22/2020
Signature of Registrant & Date



FM 1390 ALIGNMENT DATA

SHEET 2 OF 3

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
FR	6	(SEE TITLE SHEET)		FM 1390
GRAPHICS		STATE	DISTRICT	COUNTY
FR		TEXAS	DAL	KAUFMAN
CHECK		CONTROL	SECTION	JOB
JR				
CHECK				
FR	2982	01	007	

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Curve Data

Curve FM_1390_CL_39
P.I. Station 203+03.48 N 6,882,417.7627 E 2,604,881.3423
Delta = 30° 45' 18.25" (RT)
Degree = 4° 00' 00.05"
Tangent = 393.9417
Length = 768.8743
Radius = 1,432.3900
External = 53.1844
Long Chord = 759.6768
Mid. Ord. = 51.2803
P.C. Station 199+09.54 N 6,882,033.8349 E 2,604,793.0837
P.T. Station 206+78.42 N 6,882,702.5626 E 2,605,153.5170
C.C. = N 6,881,712.9229 E 2,606,189.0625
Back = N 12° 56' 47.06" E
Ahead = N 43° 42' 05.31" E
Chord Bear = N 28° 19' 26.19" E

Course from PT FM_1390_CL_39 to 5 N 43° 41' 51.38" E Dist 4,825.3177

Point 5 N 6,886,191.2481 E 2,608,487.0984 Sta 255+03.73

Course from 5 to PC FM_1390_CL_44 N 43° 05' 25.59" E Dist 1,330.2502

Curve Data

Curve FM_1390_CL_44
P.I. Station 270+81.94 N 6,887,343.7769 E 2,609,565.2553
Delta = 4° 57' 21.92" (RT)
Degree = 1° 00' 00.00"
Tangent = 247.9592
Length = 495.6092
Radius = 5,729.5800
External = 5.3630
Long Chord = 495.4547
Mid. Ord. = 5.3579
P.C. Station 268+33.98 N 6,887,162.6982 E 2,609,395.8615
P.T. Station 273+29.59 N 6,887,509.5443 E 2,609,749.6596
C.C. = N 6,883,248.5243 E 2,613,580.0376
Back = N 43° 05' 25.59" E
Ahead = N 48° 02' 47.52" E
Chord Bear = N 45° 34' 06.56" E

Course from PT FM_1390_CL_44 to PC FM_1390_CL_47 N 48° 02' 47.52" E Dist 385.7736

Curve Data

Curve FM_1390_CL_47
P.I. Station 279+05.58 N 6,887,894.6105 E 2,610,178.0181
Delta = 7° 35' 51.68" (LT)
Degree = 2° 00' 00.10"
Tangent = 190.2185
Length = 379.8793
Radius = 2,864.7500
External = 6.3083
Long Chord = 379.6011
Mid. Ord. = 6.2944
P.C. Station 277+15.37 N 6,887,767.4443 E 2,610,036.5549
P.T. Station 280+95.25 N 6,888,039.3640 E 2,610,301.4259
C.C. = N 6,889,897.9246 E 2,608,121.3926
Back = N 48° 02' 47.52" E
Ahead = N 40° 26' 55.83" E
Chord Bear = N 44° 14' 51.68" E

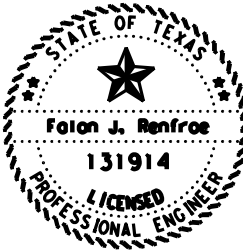
Course from PT FM_1390_CL_47 to 6 N 40° 26' 55.83" E Dist 939.1176

Point 6 N 6,888,754.0189 E 2,610,910.6962 Sta 290+34.36

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Ending chain FM_1390_CL description

1 ADDENDUM
SHEET ADDED
1/22/2021



Falan Renfree P.E. 1/22/2021
Signature of Registrant & Date



FM 1390
ALIGNMENT DATA

SHEET 3 OF 3

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
FR	6	(SEE TITLE SHEET)		FM 1390
GRAPHICS	FR	STATE	DISTRICT	COUNTY
CHECK	JR	TEXAS	DAL	KAUFMAN
CHECK	FR	CONTROL	SECTION	JOB
		2982	01	007

50C