LOCATION MAP (NTS)

DESIGN SPEEDS

IH20 MAINLANES 75 MPH
IH20 FRONTAGE ROADS 50 MPH
RAMPS 55 MPH

TRAFFIC DATA:

20800 - 2018 ADT
28600 - 2038 ADT
32400 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON MAY 3, 2016

OWNER NAME	ACRES TO BE OBTAINED
EBAA IRON INC	0.13
DOUGLAS & CELESTE JOHNSON	72.48
JAMES R. FAMBRO	10.94
LUTHER FAMBRO	2.09
WESLEY WALKER	1.79

Texas Department of Transportation
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BROWNWOOD DISTRICT
DESIGN SCHEMATIC
ELIAS RMEILI, P.E., DISTRICT ENGINEER

IH 20 RANGER HILL
FROM APPROX. 3.5 MILES EAST OF
LP 254 TO 0.50 MILE EAST OF SH 16
EASTLAND COUNTY, TEXAS
CSJ:0007-06-084

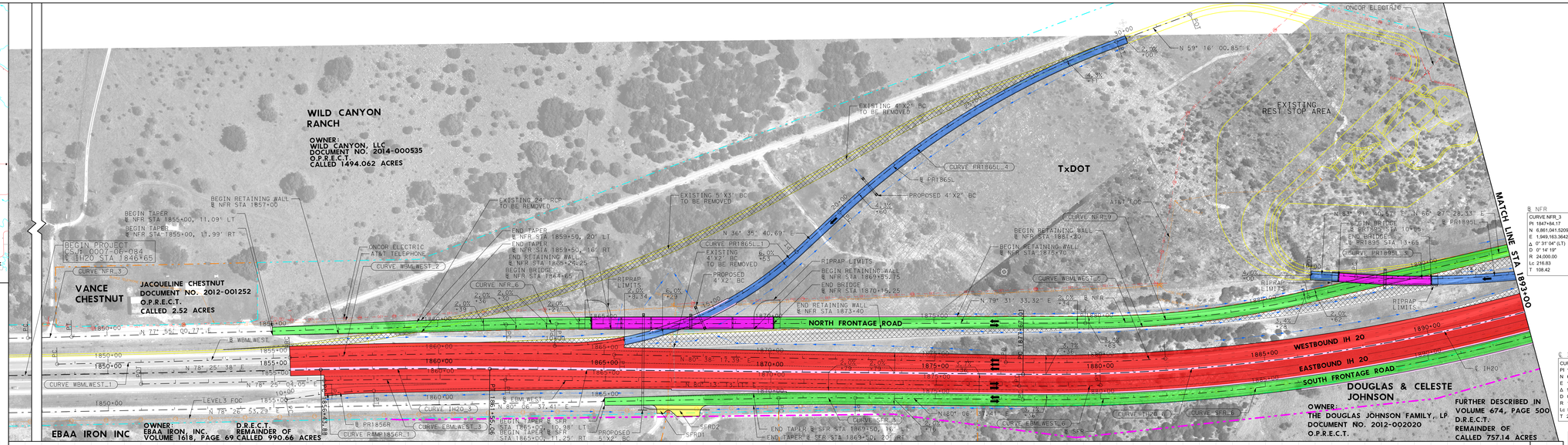
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE

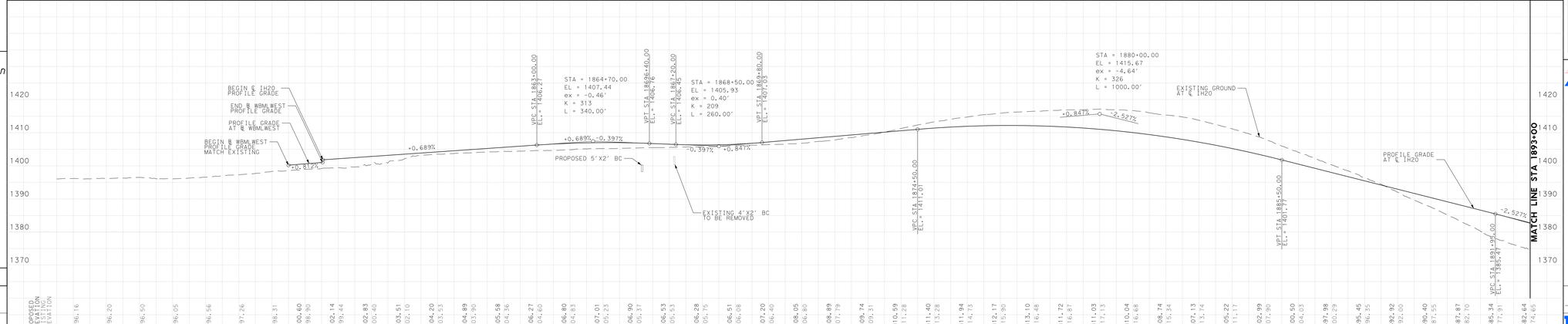
LENGTH: 3.45 MILES

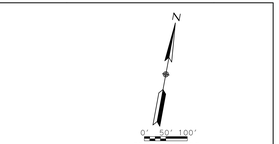
SCALE: 1"=100' H, 1"=10' V
9/9/2016
ROLL 1 OF 4

PREPARED BY URS CORPORATION TBPE RANGER FIRM F-2615
FOR INTERIM REVIEW ONLY. NOT FOR BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
SIGNATURE/SEAL DATE PRINT NAME LICENSE NO. FIRM NAME F.I.N. NUMBER

URS 1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
AN AECOM COMPANY 214-741-7777







LEGEND:

- PROPERTY LINES
- EXISTING ROW
- PROPOSED ROW
- RETAINING WALL
- CTB
- DITCH
- EXISTING STREAM
- DRAINAGE EASEMENT
- MAINLANES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- DRIVEWAYS
- REMOVALS
- DIRECTION OF TRAFFIC

@ NFR

CURVE NFR_3	CURVE NFR_6	CURVE NFR_9
PI 1847+64.17	PI 1862+83.02	PI 1882+99.61
N 6,861,041.5209	N 6,861,355.2766	N 6,861,724.3834
E 1,949,163.3642	E 1,950,629.0106	E 1,952,611.5392
Δ 0° 31' 04" (LT)	Δ 1° 32' 12" (RT)	Δ 12° 59' 44" (LT)
D 0° 14' 19"	D 1° 00' 19"	D 1° 54' 35"
R 24,000.00	R 5,700.00	R 3,000.00
Lc 216.83	Lc 152.86	Lc 680.45
T 108.42	T 76.44	T 341.69

@ SFR

CURVE SFR_3	CURVE SFR_6
PI 1871+42.20	PI 1894+56.82
N 6,861,293.3278	N 6,861,690.8660
E 1,951,518.7115	E 1,953,798.9446
Δ 1° 39' 44" (RT)	Δ 32° 30' 14" (LT)
D 0° 42' 58"	D 0° 59' 13"
R 8,000.00	R 5,806.08
Lc 232.09	Lc 3,293.79
T 116.06	T 1,692.53

@ WBMLWEST

CURVE WBMLWEST_1	CURVE WBMLWEST_2	CURVE WBMLWEST_5
PI 1851+88.06	PI 1860+40.37	PI 1879+56.23
N 6,861,045.7238	N 6,861,229.3344	N 6,861,541.0271
E 1,949,586.2545	E 1,950,408.3261	E 1,952,298.9235
Δ 1° 00' 30" (LT)	Δ 3° 13' 43" (RT)	Δ 4° 51' 28" (LT)
D 0° 08' 36"	D 0° 19' 45"	D 1° 00' 22"
R 40,000.00	R 17,400.00	R 5,694.08
Lc 703.89	Lc 980.48	Lc 482.76
T 351.96	T 490.37	T 241.52

@ IH20

CURVE IH20_3	CURVE IH20_6
PI 1859+92.48	PI 1894+37.24
N 6,861,154.7822	N 6,861,762.3992
E 1,950,278.6163	E 1,953,763.8365
Δ 1° 41' 00" (RT)	Δ 32° 30' 14" (LT)
D 0° 19' 45"	D 1° 00' 00"
R 17,400.00	R 5,729.58
Lc 511.18	Lc 3,250.39
T 255.61	T 1,670.23

@ EBMLWEST

CURVE EBMLWEST_3	CURVE EBMLWEST_6
PI 1859+23.72	PI 1878+73.81
N 6,861,128.2767	N 6,861,459.5279
E 1,950,312.8066	E 1,952,234.6069
Δ 1° 49' 00" (RT)	Δ 2° 26' 23" (LT)
D 0° 19' 45"	D 0° 58' 38"
R 17,400.00	R 5,765.08
Lc 547.40	Lc 245.50
T 273.72	T 122.77

@ PR1856R

CURVE RAMP1856R_1
PI 11+34.01
N 6,861,043.2981
E 1,950,066.5066
Δ 9° 41' 04" (RT)
D 3° 37' 19"
R 1,581.93
Lc 267.39
T 134.01

@ PR1895L

CURVE PR1895L_3
PI 18+43.88
N 6,862,029.8712
E 1,953,756.5510
Δ 27° 42' 12" (LT)
D 2° 00' 00"
R 2,864.79
Lc 1,385.17
T 706.40

@ PR1865L

CURVE PR1865L_1	CURVE PR1865L_4
PI 14+22.38	PI 24+81.24
N 6,861,375.6105	N 6,862,258.5634
E 1,951,126.9374	E 1,951,782.5478
Δ 43° 27' 07" (LT)	Δ 22° 40' 20" (RT)
D 5° 24' 19"	D 2° 17' 31"
R 1,060.00	R 2,500.00
Lc 803.88	Lc 989.26
T 422.38	T 501.19

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