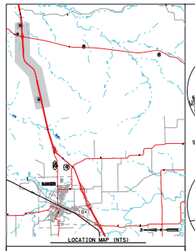

DESIGN SPEEDS
IH20 MAINLANES 75 MPH
IH20 FRONTAGE ROADS 50 MPH
RAMPS 55 MPH

TRAFFIC DATA:
22400 - 2018 ADT
30600 - 2038 ADT
34100 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

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BROWNWOOD DISTRICT
DESIGN SCHEMATIC
ELIAS RMEILI, P.E., DISTRICT ENGINEER

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

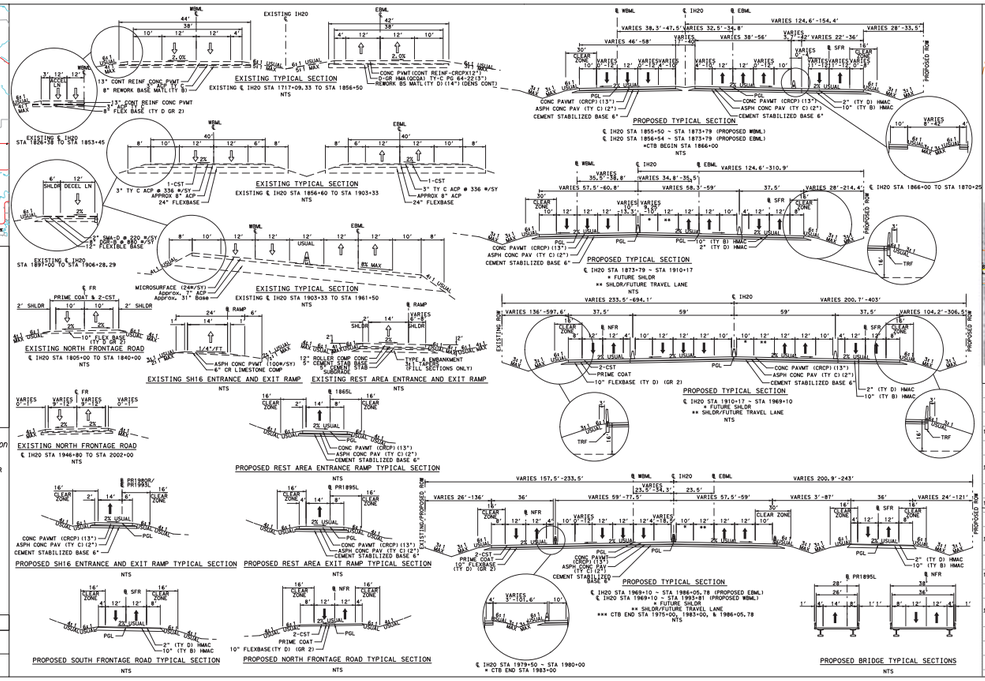
FUNCTIONAL CLASSIFICATION: RURAL INTERSTATE

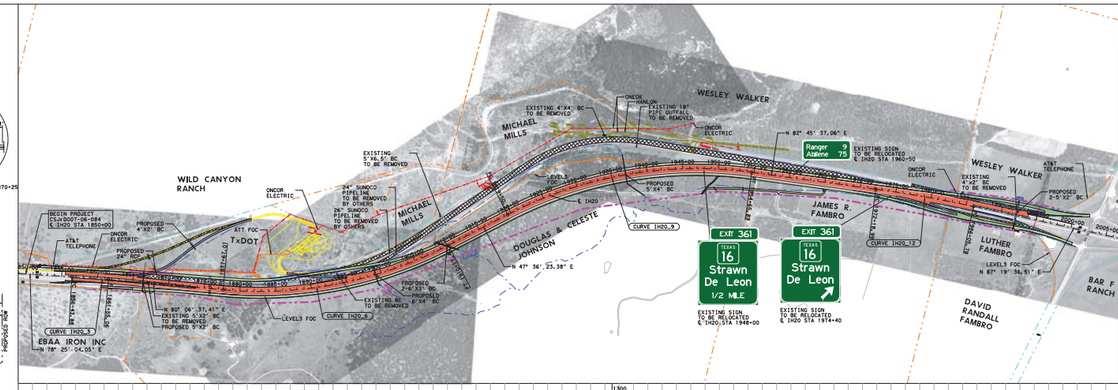
LENGTH: 3.39 MILES

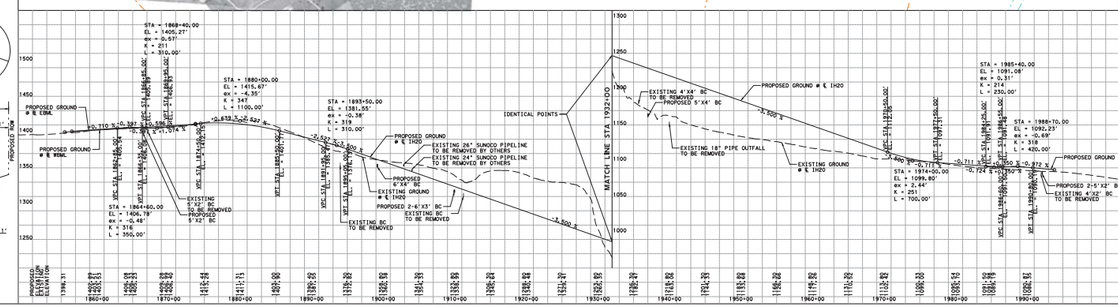
PRELIMINARY
SUBJECT TO CHANGE

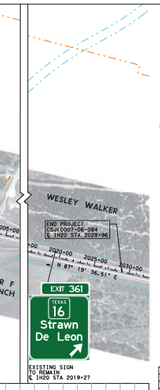
3/23/2016

THIS DOCUMENT IS PRELIMINARY AND IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
Prepared by or under the direct supervision of:
ENGINEER RANDALL J. WALKER DATE
PE 94208 PRELIMINARY
URS CORPORATION
1950 NORTH STEMMONS FREEWAY
SUITE 4000
DALLAS, TEXAS 75207
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

CURVE IH20_3	CURVE IH20_6
PI 1859+99.45	PI 1884+37.24
N: 6,861,154.7822	N: 6,861,763.3992
E: 1,850,276.6163	E: 1,853,763.8365
Δ: 1° 41' 00" (RT)	Δ: 32° 30' 14" (LT)
D: 0° 18' 45"	D: 1° 00' 00"
R: 17,400.00	R: 5,729.58
L: 511.18	L: 3,250.29
T: 255.61	T: 1,670.23

CURVE IH20_9	CURVE IH20_12
PI 1937+10.00	PI 1979+13.25
N: 6,864,741.3234	N: 6,865,279.4544
E: 1,867,020.9177	E: 1,961,254.7974
Δ: 39° 59' 14" (RT)	Δ: 4° 33' 59" (RT)
D: 1° 00' 00"	D: 1° 00' 40"
R: 5,729.58	R: 17,400.00
L: 3,515.30	L: 1,386.79
T: 1,834.09	T: 693.76

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
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: 3.39 MILES

PRELIMINARY
SUBJECT TO CHANGE

3/23/2016

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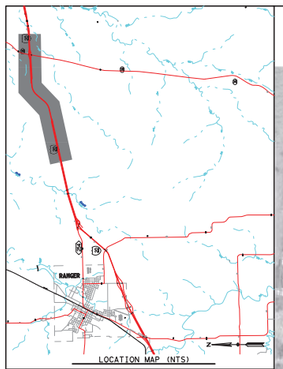
Prepared by or under the direct supervision of:
ENGINEER RANDALL J. WALKER DATE
PE 94208 PRELIMINARY
URS CORPORATION
1950 NORTH STEMMONS FREEWAY
SUITE 4000
DALLAS, TEXAS 75207
214-741-7777



LOCATION MAP (NTS)

DESIGN SPEEDS

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

TRAFFIC DATA:

22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

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

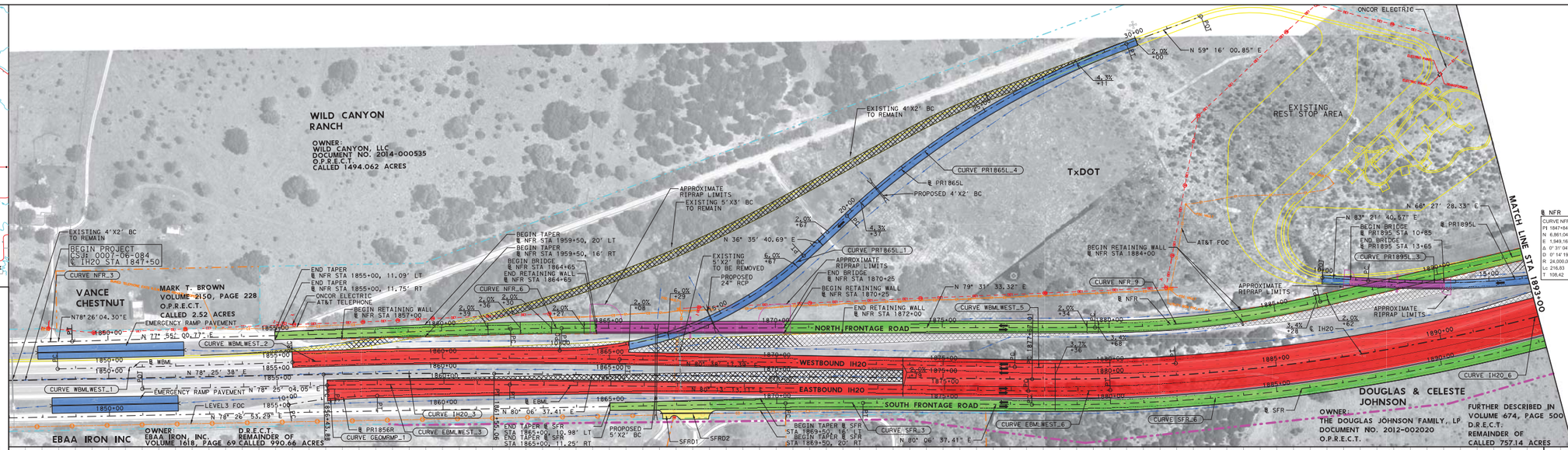
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE

LENGTH: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 1 OF 4

PREPARED BY URS CORPORATION TMPF RANGER TIAH
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
REGISTERING PERSONALLY NAME DATE FIRM ALIAS LICENSE NO. P.E. 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

N

0' 50' 100'
SCALE IN FEET

℄ NFR

CURVE NFR_3	CURVE NFR_6	CURVE NFR_9
PI 1847+64.17	PI 1862+83.02	PI 1882+99.91
N 6,861,041.5209	N 6,861,355.2766	N 6,861,724.3634
E 1,949,163.3642	E 1,950,629.0106	E 1,952,811.5392
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 1877+42.20	PI 1894+56.82
N 6,861,293.3278	N 6,861,695.9660
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

℄ WBML

CURVE WBML.WEST_1	CURVE WBML.WEST_2	CURVE WBML.WEST_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 11° 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 1858+99.48	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

℄ EBML

CURVE EBML.WEST_3	CURVE EBML.WEST_6
PI 1859+23.72	PI 1878+73.61
N 6,861,126.2767	N 6,861,459.5279
E 1,950,312.8066	E 1,952,234.6069
Δ 1° 48' 09" (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

℄ PR1856L

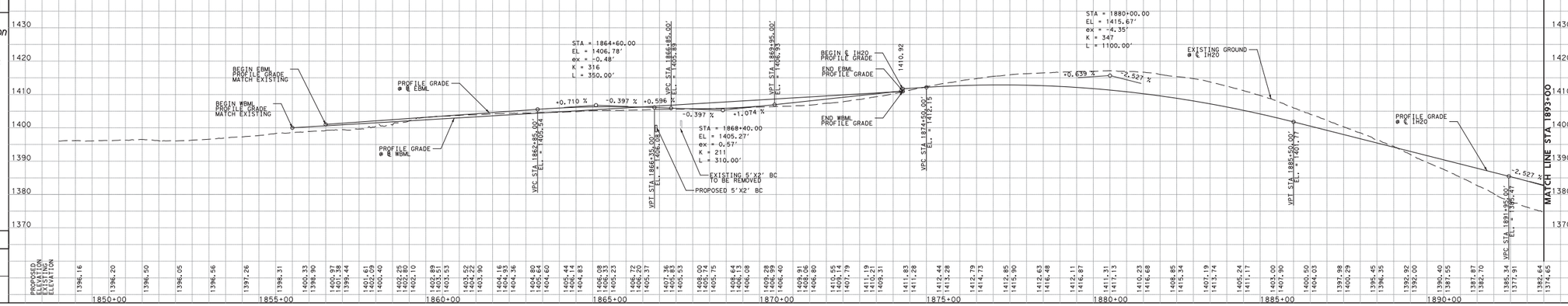
CURVE RAMP1956R_1
PI 11+34.01
N 6,861,043.2981
E 1,950,066.5066
- .00° 41' 04" (RT)
D 3° 37' 15"
R 1,581.93
Lc 267.39
T 134.01

℄ PR1895L

CURVE PR1895L_1
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



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

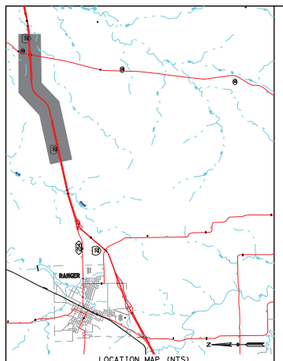
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE

LENGTH: 3.44 MILES

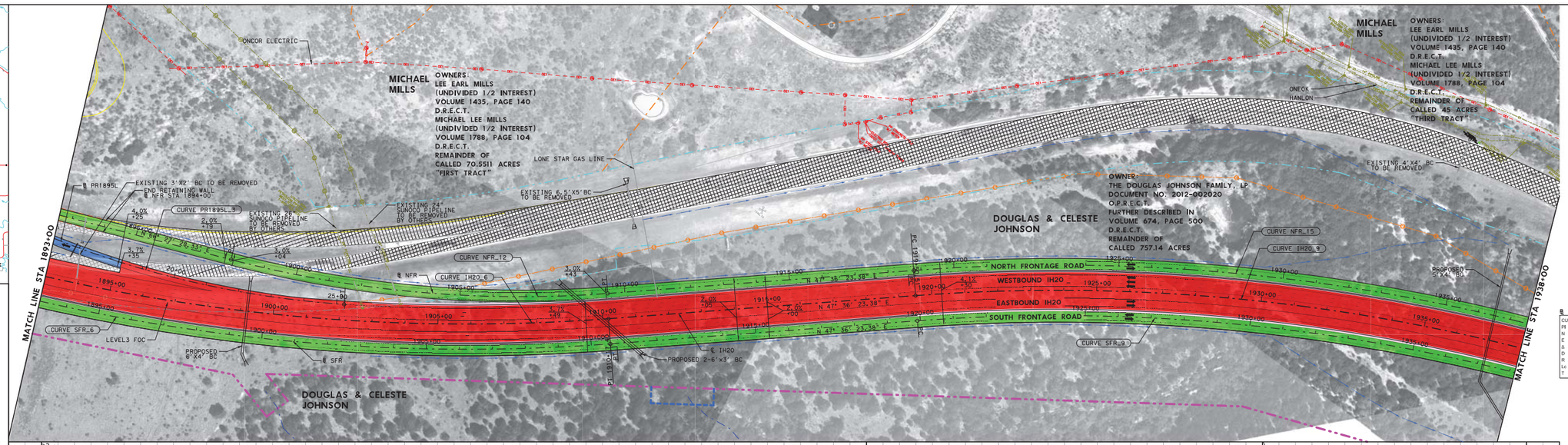
SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 1 OF 4

PREPARED BY URS CORPORATION TMPF RANGER TIAH
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
REGISTERING PERSONALLY NAME DATE FIRM ALIAS LICENSE NO. P.E. NUMBER

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



LOCATION MAP (NTS)



N

0' 50' 100'
SCALE IN FEET

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

℄ IH20

CURVE IH20_6	CURVE IH20_9
PI 1894+37.24	PI 1937+65.50
N 6,861,762.3992	N 6,864,741.3234
E 1,953,760.8365	E 1,957,026.9177
Δ 32° 30' 14" (LT)	Δ 35° 09' 14" (RT)
D 1° 00' 00"	D 1° 00' 00"
R 5,729.58	R 5,729.58
Lc 3,250.39	Lc 3,515.38
T 1,670.23	T 1,814.99

℄ 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

℄ SFR

CURVE SFR_6	CURVE SFR_9
PI 1894+56.82	PI 1937+81.94
N 6,861,690.8660	N 6,864,668.4672
E 1,953,798.9446	E 1,957,060.5983
Δ 32° 30' 14" (LT)	Δ 35° 09' 14" (RT)
D 0° 59' 13"	D 1° 00' 49"
R 5,806.08	R 5,653.08
Lc 3,293.79	Lc 3,468.44
T 1,692.53	T 1,790.75

℄ NFR

CURVE NFR_12	CURVE NFR_15
PI 1903+77.44	PI 1937+16.99
N 6,862,555.4888	N 6,864,814.1596
E 1,954,519.1136	E 1,958,993.2370
Δ 18° 51' 05" (LT)	Δ 35° 09' 14" (RT)
D 1° 38' 13"	D 0° 59' 13"
R 3,500.00	R 5,806.08
Lc 1,151.56	Lc 3,562.32
T 581.03	T 1,839.22

DESIGN SPEEDS

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

TRAFFIC DATA:

22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY
TXDOT BROWNWOOD DISTRICT
ON JUNE 10, 2015

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

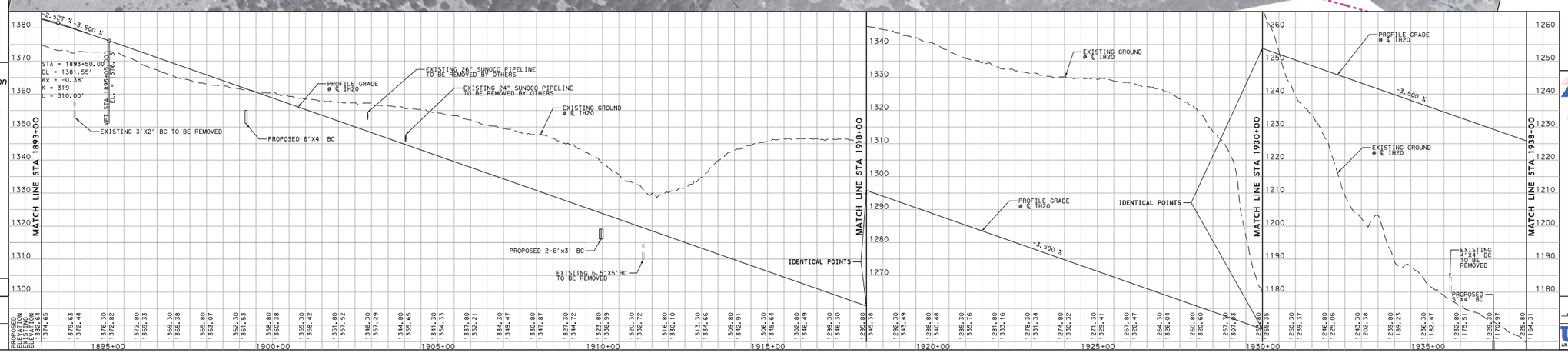
LENGTH: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/5/2016
ROLL 2 OF 4

PREPARED BY URS CORPORATION TBPE RANGER 31691
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:

REGISTERING PEARSALL, BATTS — NAME — P.E. NUMBER
IRENE ALANIS — NAME — P.E. NUMBER
LICENSE

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



Texas Department of Transportation
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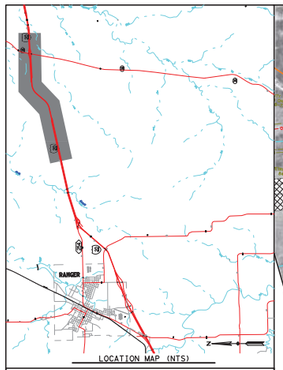
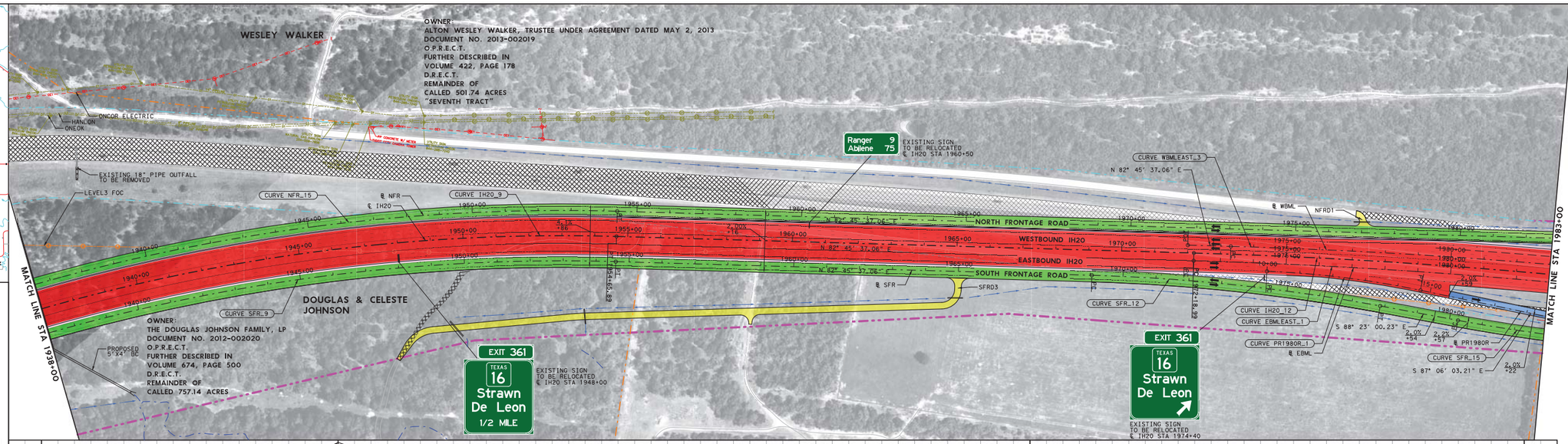
BROWNWOOD DISTRICT
DESIGN SCHEMATIC
ELIAS RMEILI, P.E., DISTRICT ENGINEER
IH 20 RANGER HILL
FROM APPROX. 3.5 MILES EAST OF
LP 254 TO 0.50 MILE EAST OF SH 16
EASTLAND COUNTY, TEXAS
CSJ: 0007-06-084
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE
LENGTH: 3.44 MILES
SCALE: 1"=100' H, 1"=10' V
5/5/2016
ROLL 2 OF 4
PREPARED BY URS CORPORATION TBPE RANGER 31691
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
REGISTERING PEARSALL, BATTS — NAME — P.E. NUMBER
IRENE ALANIS — NAME — P.E. NUMBER
LICENSE
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
AN AECOM COMPANY 214-741-7777



LOCATION MAP (NTS)



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

℄ IH20

CURVE IH20_9	CURVE IH20_12
PI 1937+65.50	PI 1979+12.75
N 6,864,741.0234	N 6,865,278.4044
E 1,957,026.9177	E 1,961,254.7874
Δ 35° 09' 14" (RT)	Δ 4° 33' 58" (RT)
D 1° 00' 00"	D 0° 19' 45"
R 5,729.58	R 17,400.00
Lc 3,515.38	Lc 1,399.79
T 1,814.99	T 693.76

℄ NFR

CURVE NFR_15
PI 1937+16.99
N 6,864,814.1596
E 1,956,993.2370
Δ 35° 09' 14" (RT)
D 0° 59' 13"
R 5,806.08
Lc 3,562.32
T 1,839.22

℄ SFR

CURVE SFR_9	CURVE SFR_12	CURVE SFR_15
PI 1937+81.94	PI 1973+46.49	PI 1983+11.79
N 6,864,665.4872	N 6,865,131.9419	N 6,865,104.6597
E 1,957,060.5983	E 1,960,708.8860	E 1,961,675.5674
Δ 35° 09' 14" (RT)	Δ 8° 51' 23" (RT)	Δ 6° 24' 34" (LT)
D 1° 00' 49"	D 1° 00' 19"	D 1° 07' 24"
R 5,653.08	R 5,700.00	R 5,100.00
Lc 3,469.44	Lc 881.06	Lc 570.51
T 1,790.75	T 447.41	T 285.55

℄ PR1980R

CURVE PR1980R_1
PI 12+35.56
N 6,865,197.2547
E 1,961,028.3789
Δ 9° 24' 04" (RT)
D 2° 00' 00"
R 2,864.79
Lc 470.06
T 235.56

℄ WBML

CURVE WBMLEAST_3
PI 1980+07.51
N 6,865,313.6563
E 1,961,345.6268
Δ 4° 27' 00" (RT)
D 0° 19' 44"
R 17,423.50
Lc 1,353.26
T 676.97

℄ EBML

CURVE EBMLEAST_1
PI 1979+11.10
N 6,865,254.8840
E 1,961,256.1132
Δ 4° 33' 43" (RT)
D 0° 19' 47"
R 17,376.50
Lc 1,383.50
T 692.11

DESIGN SPEEDS

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

TRAFFIC DATA:

22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

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

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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

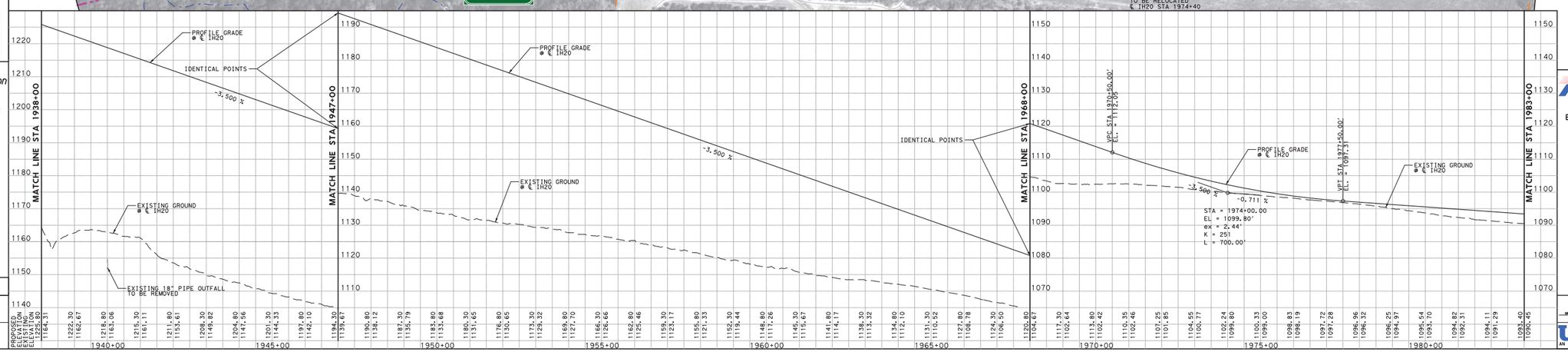
LENGTH: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/5/2016
ROLL 3 OF 4

PREPARED BY URS CORPORATION TBPE RANGER FIRM
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:

MEGHYANNA PEAPALLI	DATE	DEWAN ALAMIN	LICENSE
NAME	P.E. NUMBER	NAME	P.E. NUMBER

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



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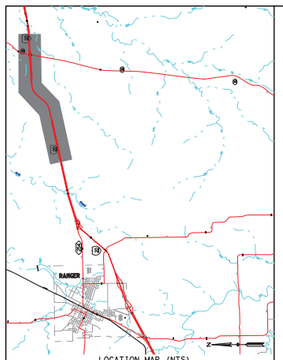
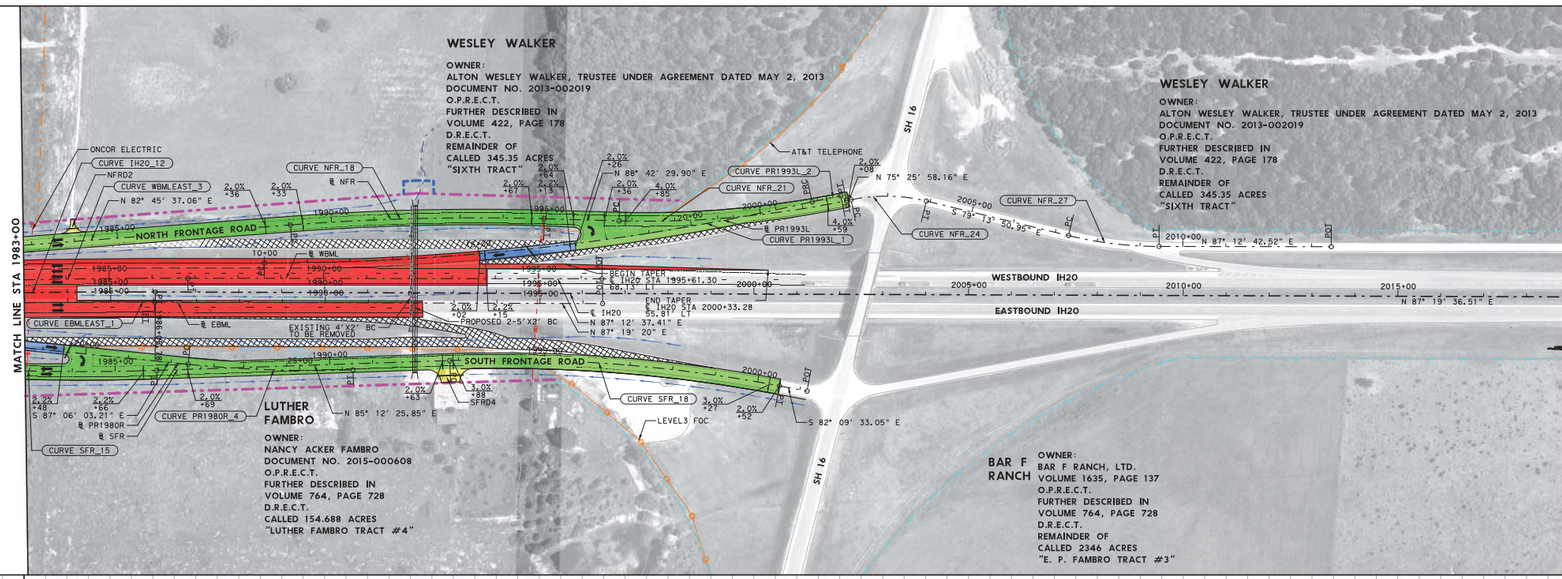
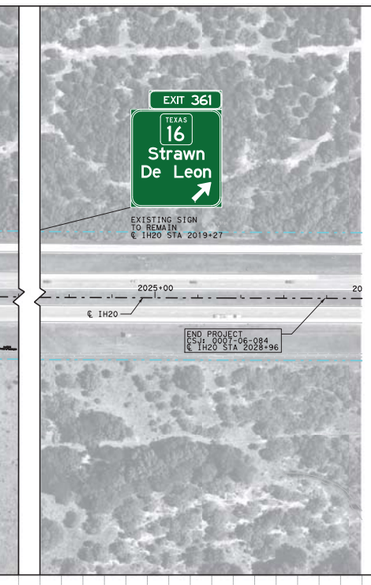
BROWNWOOD DISTRICT
DESIGN SCHEMATIC
ELIAS RMEILI, P.E., DISTRICT ENGINEER
IH 20 RANGER HILL
FROM APPROX. 3.5 MILES EAST OF
LP 254 TO 0.50 MILE EAST OF SH 16
EASTLAND COUNTY, TEXAS
CSJ: 0007-06-084
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE
LENGTH: 3.44 MILES
SCALE: 1"=100' H, 1"=10' V
5/5/2016
ROLL 3 OF 4
PREPARED BY URS CORPORATION TBPE RANGER FIRM
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
MEGHYANNA PEAPALLI DATE DEWAN ALAMIN LICENSE
NAME P.E. NUMBER NAME P.E. NUMBER
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
AN AECOM COMPANY 214-741-7777



LOCATION MAP (NTS)





N

0' 50' 100'
SCALE IN FEET

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_18	CURVE NFR_21	CURVE NFR_24	CURVE NFR_27
PI 1992+00.30	PI 1999+37.96	PI 2003+03.93	PI 2008+38.67
N 6,865,519.8036	N 6,865,536.4441	N 6,865,629.0963	N 6,865,528.8297
E 1,962,548.0239	E 1,963,286.0265	E 1,963,642.5606	E 1,964,170.7682
Δ 5° 56' 53" (RT)	Δ 13° 16' 32" (LT)	Δ 25° 20' 11" (RT)	Δ 13° 33' 27" (LT)
D 1° 00' 19"	D 2° 29' 28"	D 14° 19' 28"	D 6° 21' 58"
R 5,700.00	R 2,300.00	R 400.00	R 900.00
Lc 591.73	Lc 532.91	Lc 176.88	Lc 212.96
T 296.13	T 267.65	T 89.91	T 106.98

℄ IH20

CURVE 8+20_12
PI 1979+12.75
N 6,865,278.4044
E 1,961,254.7874
Δ 4° 33' 09" (RT)
D 0° 19' 45"
R 17,400.00
Lc 1,386.79
T 693.76

℄ SFR

CURVE SFR_15	CURVE SFR_18
PI 1983+11.79	PI 1996+67.36
N 6,865,104.6597	N 6,865,217.9712
E 1,961,675.5674	E 1,963,026.9862
Δ 6° 24' 34" (LT)	Δ 12° 38' 01" (RT)
D 1° 07' 24"	D 1° 38' 13"
R 5,100.00	R 3,500.00
Lc 570.51	Lc 771.75
T 285.55	T 387.44

℄ WBML

CURVE WBMLEAST_3
PI 1985+07.51
N 6,865,313.6583
E 1,961,345.8268
Δ 4° 27' 00" (RT)
D 0° 19' 44"
R 17,423.50
Lc 1,353.26
T 676.97

℄ EBML

CURVE EBMLEAST_1
PI 1979+11.10
N 6,865,254.8840
E 1,961,256.1132
Δ 4° 33' 43" (RT)
D 0° 19' 47"
R 17,375.50
Lc 1,383.50
T 692.11

℄ PR1993L

CURVE PR1993L_1	CURVE PR1993L_2
PI 19+46.09	PI 23+20.78
N 6,865,422.6635	N 6,865,606.2143
E 1,962,843.2193	E 1,963,498.1037
Δ 12° 52' 03" (LT)	Δ 1° 21' 40" (RT)
D 1° 00' 00"	D 2° 00' 00"
R 5,729.58	R 2,864.79
Lc 1,286.75	Lc 68.05
T 646.09	T 34.03

℄ PR1980R

CURVE PR1980R_4
PI 24+32.48
N 6,865,136.6639
E 1,962,224.6278
Δ 7° 41' 31" (LT)
D 2° 00' 00"
R 2,864.79
Lc 384.60
T 192.59

DESIGN SPEEDS

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

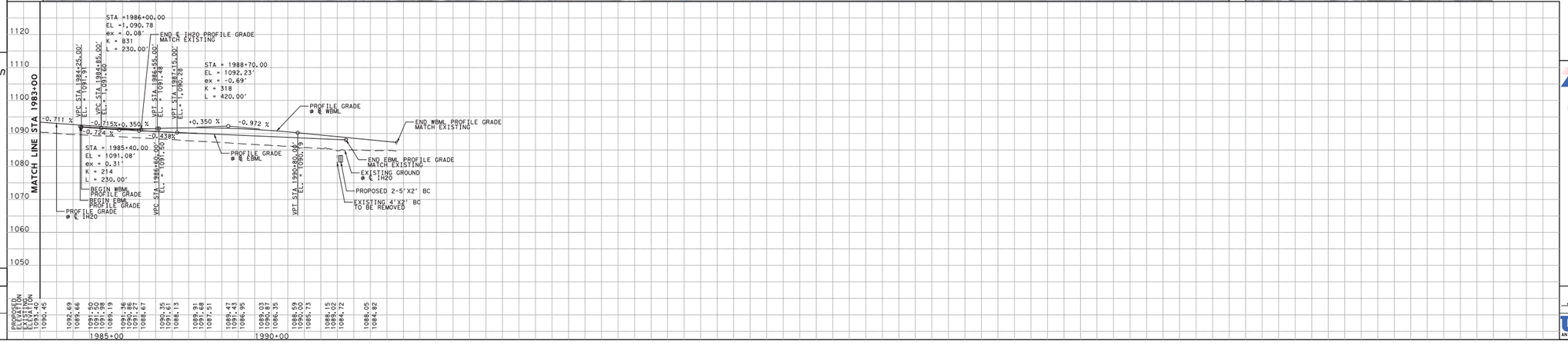
TRAFFIC DATA:

22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

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: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 5 OF 5

PREPARED BY URS CORPORATION TBPE REGISTRATION NUMBER F-3193
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:

REGISTERING PERSONALLY ____ DATE ____ NAME ____ PROF. ENGR. NUMBER ____ STATE ____

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

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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
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ROLL 5 OF 5

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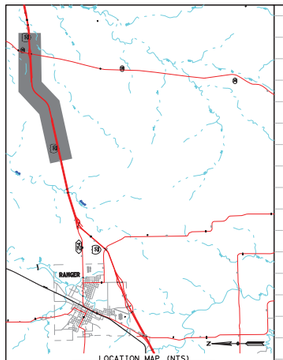

LOCATION MAP (NTS)

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

TRAFFIC DATA:
22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY
TXDOT BROWNWOOD DISTRICT
ON JUNE 10, 2015

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BROWNWOOD DISTRICT
DESIGN SCHEMATIC
ELIAS RMEILI, P.E., DISTRICT ENGINEER

IH 20 RANGER HILL
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EASTLAND COUNTY, TEXAS
CSJ:0007-06-084

FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE

LENGTH: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 1 OF 4

PREPARED BY URS CORPORATION TEXAS RANGER TIAD
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Prepared by or under the Direct Supervision of:
REGISTERING PERSONALLY ____ DATE ____ SEAL ____ TIAD
NAME P.E. NUMBER NAME P.E. NUMBER

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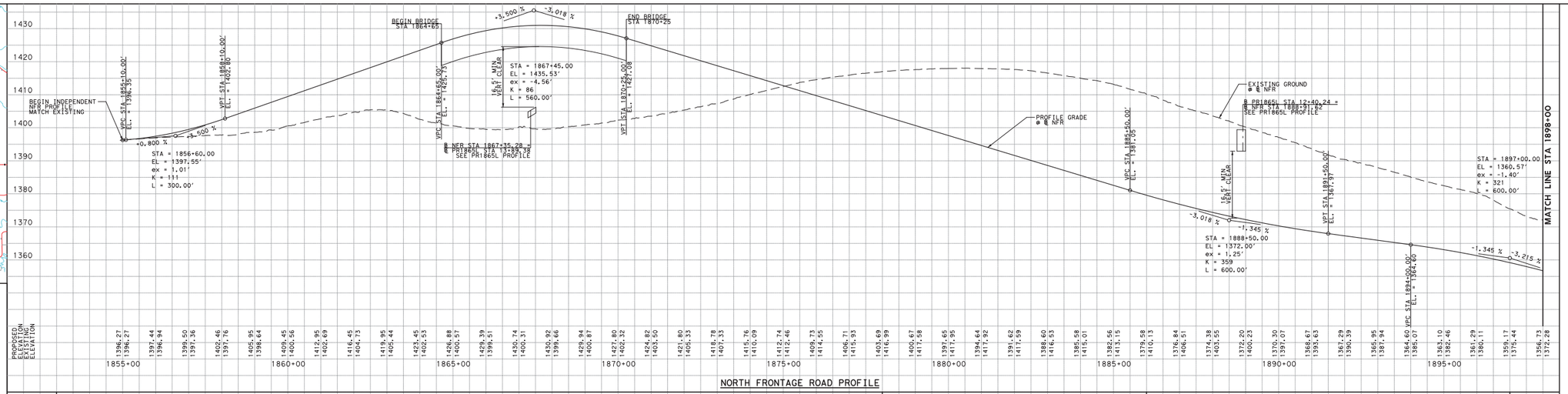
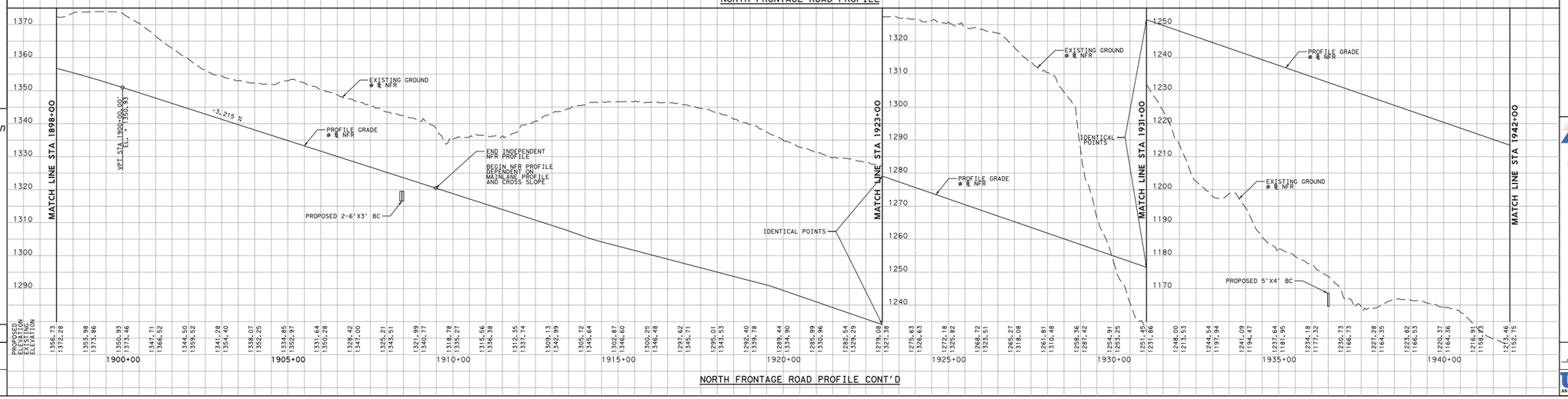
SUITE 6000
DALLAS, TEXAS 75207
AN AECOM COMPANY 214-741-7777



NORTH FRONTAGE ROAD PROFILE



NORTH FRONTAGE ROAD PROFILE CONT'D

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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: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 1 OF 4

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REGISTERING PERSONALLY ____ DATE ____ SEAL ____ TIAD
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URS 1950 NORTH STEMMONS FREEWAY
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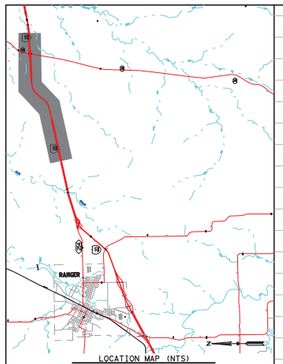
DALLAS, TEXAS 75207
AN AECOM COMPANY 214-741-7777



LOCATION MAP (NTS)

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

TRAFFIC DATA:
22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY
TXDOT BROWNWOOD DISTRICT
ON JUNE 10, 2015

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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: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 2 OF 4

PREPARED BY URS CORPORATION TEXAS RANGER TIAD
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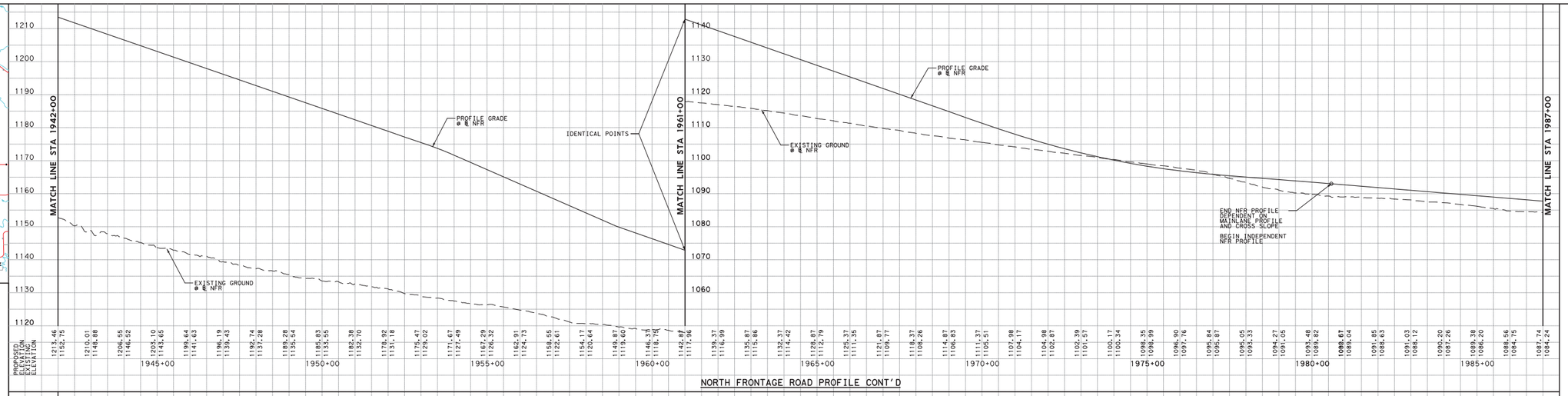
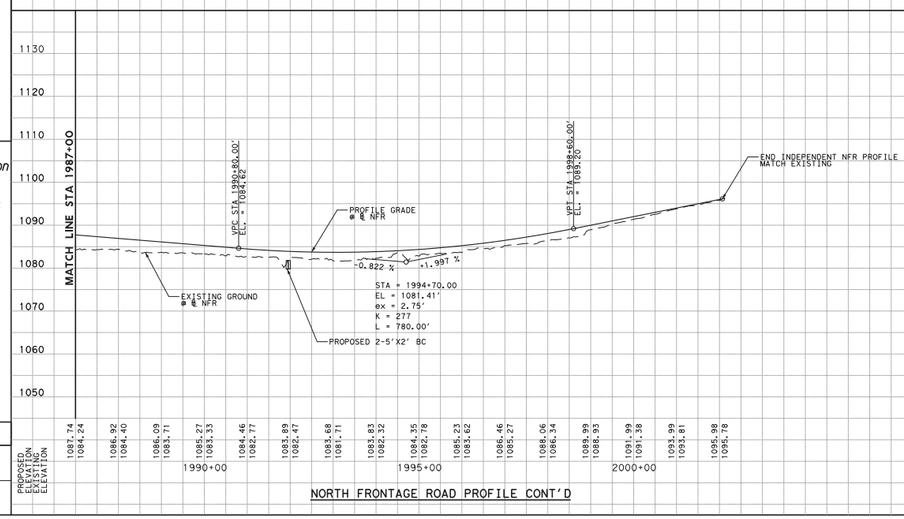
REGISTERED PEAPGALLY DATE ____ SEAL ALREADY ____ LICENSE
NAME P.E. NUMBER NAME P.E. NUMBER

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



NORTH FRONTAGE ROAD PROFILE CONT'D



NORTH FRONTAGE ROAD PROFILE CONT'D

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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
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EASTLAND COUNTY, TEXAS
CSJ:0007-06-084

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RURAL INTERSTATE

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5/4/2016
ROLL 2 OF 4

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URS 1950 NORTH STEMMONS FREEWAY
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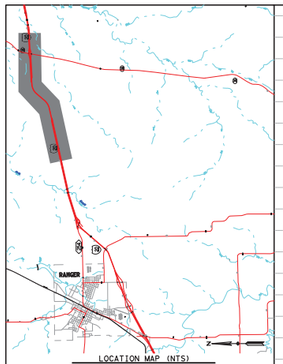

LOCATION MAP (NTS)

DESIGN SPEEDS

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

TRAFFIC DATA:

22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

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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: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 3 OF 4

PREPARED BY URS CORPORATION TEXAS RANGER TEAM
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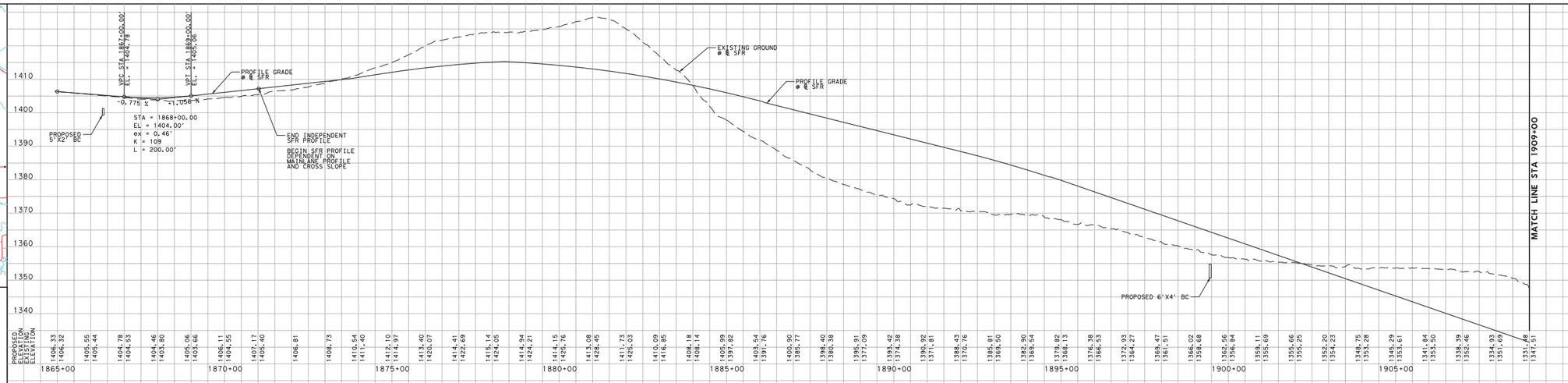
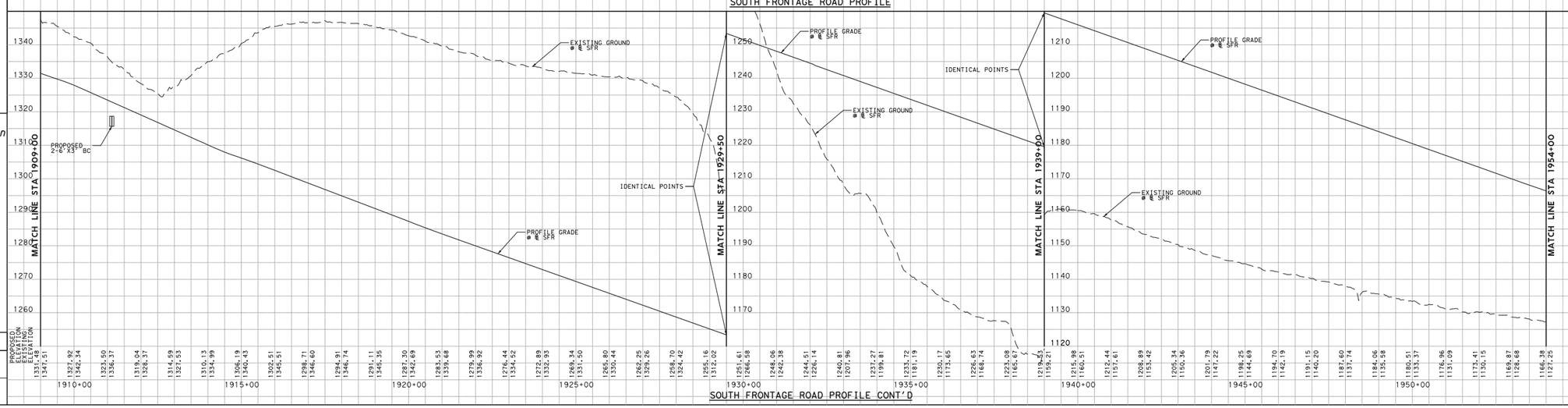
Prepared by or under the Direct Supervision of:
REGISTERED PERPETUAL SEAL NAME: DENNIS ALLAMES LICENSE: P.E. NUMBER

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



SOUTH FRONTAGE ROAD PROFILE



SOUTH FRONTAGE ROAD PROFILE CONT'D

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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
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CSJ:0007-06-084

FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE

LENGTH: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 3 OF 4

PREPARED BY URS CORPORATION TEXAS RANGER TEAM
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Prepared by or under the Direct Supervision of:
REGISTERED PERPETUAL SEAL NAME: DENNIS ALLAMES LICENSE: P.E. NUMBER

URS 1950 NORTH STEMMONS FREEWAY
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DALLAS, TEXAS 75207
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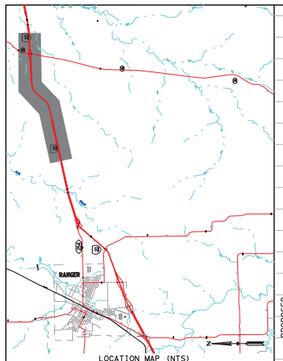

LOCATION MAP (NTS)

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

TRAFFIC DATA:
22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

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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

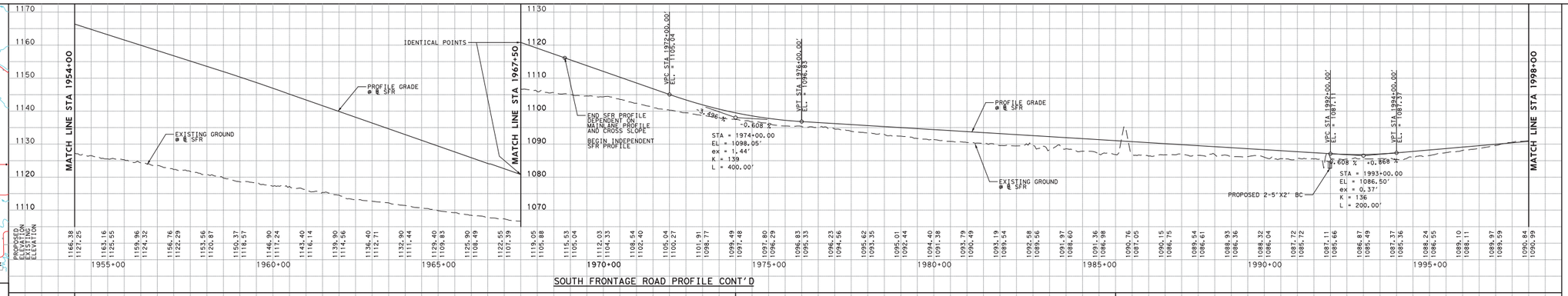
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE

LENGTH: 3.44 MILES

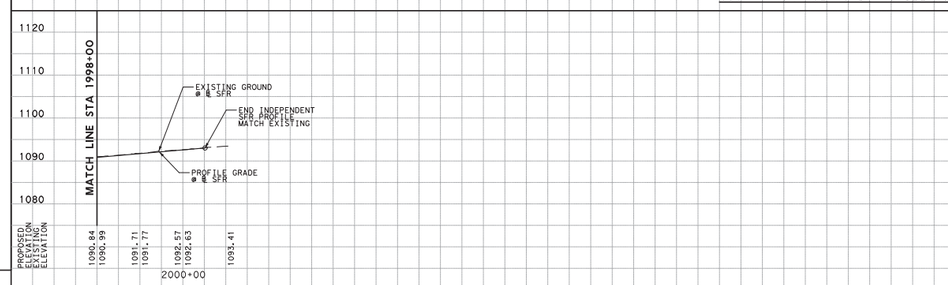
SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 4 OF 4

PREPARED BY URS CORPORATION TBPE RANGER FIRM
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
MEUNIERMA PEARSALL P.E. 84772 — DRAKE BLAKES 116828 P.E. NUMBER
NAME P.E. NUMBER NAME P.E. NUMBER

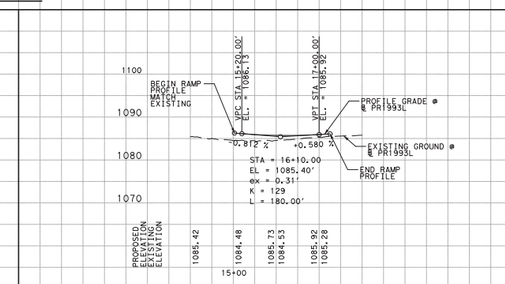
URS 1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
AN AECOM COMPANY 214-741-7777



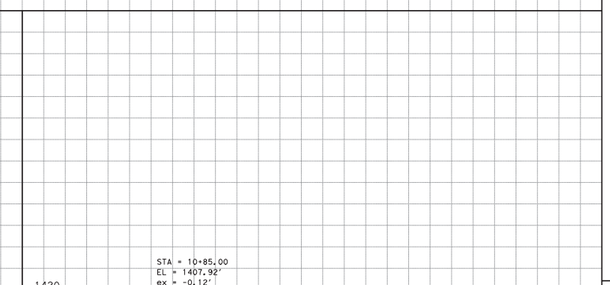
SOUTH FRONTAGE ROAD PROFILE CONT'D



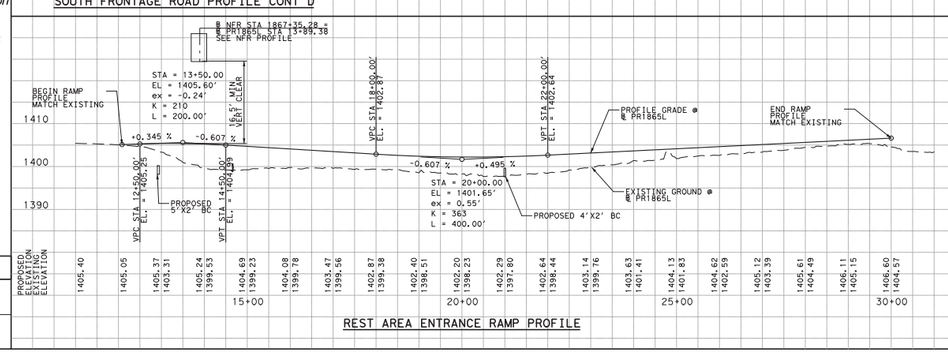
SOUTH FRONTAGE ROAD PROFILE CONT'D



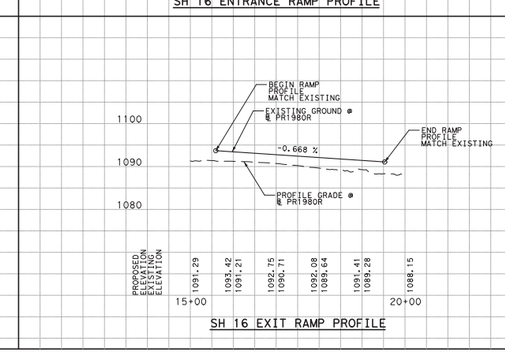
SH 16 ENTRANCE RAMP PROFILE



REST AREA EXIT RAMP PROFILE



REST AREA ENTRANCE RAMP PROFILE



SH 16 EXIT RAMP PROFILE

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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: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 4 OF 4

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Prepared by or under the Direct Supervision of:
MEUNIERMA PEARSALL P.E. 84772 — DRAKE BLAKES 116828 P.E. NUMBER
NAME P.E. NUMBER NAME P.E. NUMBER

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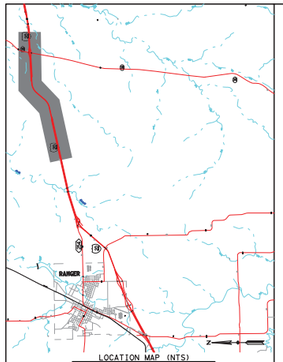


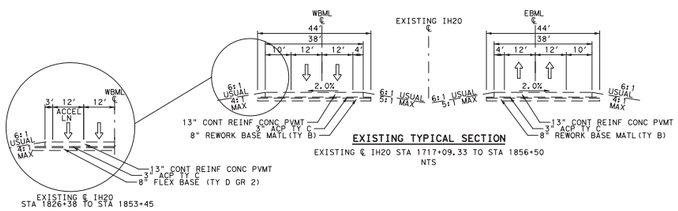
LOCATION MAP (NTS)

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

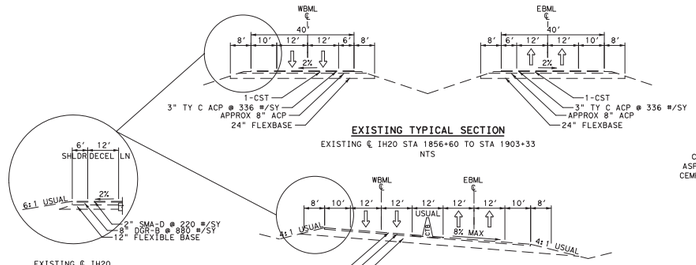
TRAFFIC DATA:
22400 - 2018 ADT
30600 - 2038 ADT
34700 - 2048 ADT

NOTES:

TRAFFIC VOLUMES PROVIDED BY TXDOT BROWNWOOD DISTRICT ON JUNE 10, 2015

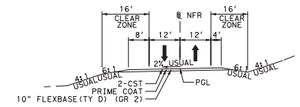


EXISTING TYPICAL SECTION
EXISTING ℄ IH20 STA 1717+09.33 TO STA 1856+50
NTS

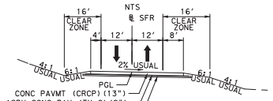


EXISTING TYPICAL SECTION
EXISTING ℄ IH20 STA 1856+60 TO STA 1903+33
NTS

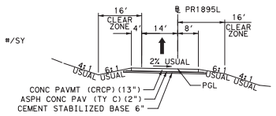
EXISTING TYPICAL SECTION
EXISTING ℄ IH20 STA 1903+33 TO STA 1961+50
NTS



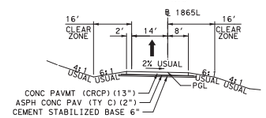
PROPOSED NORTH FRONTAGE ROAD TYPICAL SECTION
NTS



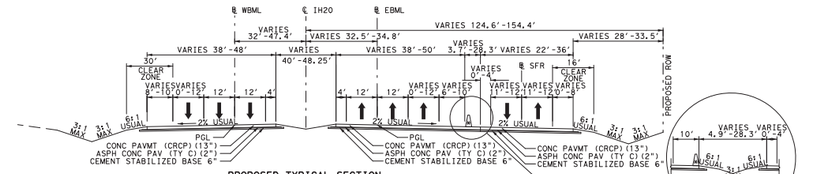
PROPOSED SOUTH FRONTAGE ROAD TYPICAL SECTION
NTS



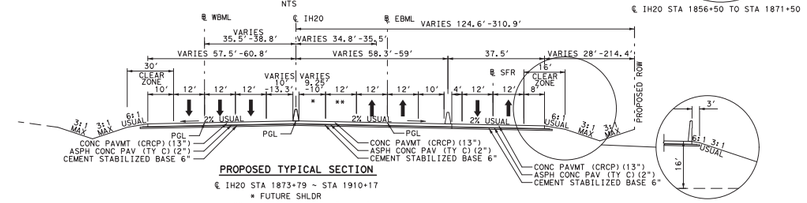
PROPOSED REST AREA EXIT RAMP TYPICAL SECTION
NTS



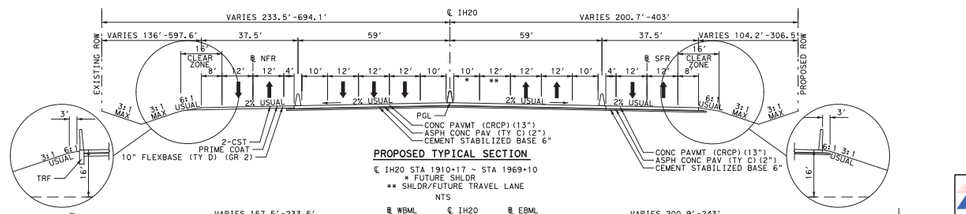
PROPOSED REST AREA ENTRANCE RAMP TYPICAL SECTION



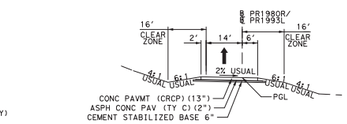
PROPOSED TYPICAL SECTION
℄ IH20 STA 1855+50 ~ STA 1873+79 (PROPOSED WBML)
℄ IH20 STA 1856+50 ~ STA 1873+79 (PROPOSED EBML)
*CTB BEGIN STA 1866+00
NTS



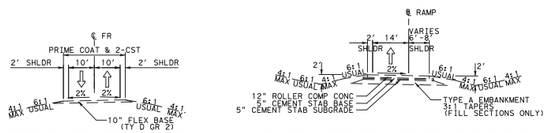
PROPOSED TYPICAL SECTION
℄ IH20 STA 1873+79 ~ STA 1910+17
* FUTURE SHLDR
** SHLDR/FUTURE TRAVEL LANE
NTS



PROPOSED TYPICAL SECTION
℄ IH20 STA 1910+17 ~ STA 1969+10
* FUTURE SHLDR
** SHLDR/FUTURE TRAVEL LANE
NTS

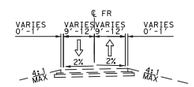


PROPOSED SH16 ENTRANCE AND EXIT RAMP TYPICAL SECTION
NTS

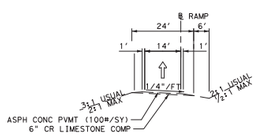


EXISTING NORTH FRONTAGE ROAD
℄ IH20 STA 1805+00 TO STA 1840+00
NTS

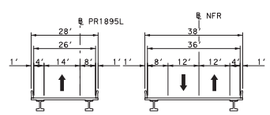
EXISTING REST AREA ENTRANCE AND EXIT RAMP
NTS



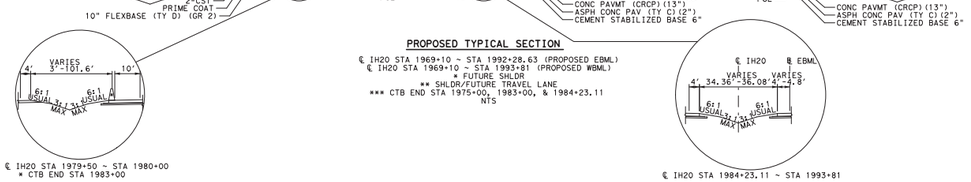
EXISTING NORTH FRONTAGE ROAD
℄ IH20 STA 1946+80 TO STA 2002+00
NTS



EXISTING SH16 ENTRANCE AND EXIT RAMP
NTS



PROPOSED BRIDGE TYPICAL SECTIONS
NTS



PROPOSED TYPICAL SECTION
℄ IH20 STA 1969+10 ~ STA 1992+28.63 (PROPOSED EBML)
℄ IH20 STA 1969+10 ~ STA 1993+81 (PROPOSED WBML)
* FUTURE SHLDR
** SHLDR/FUTURE TRAVEL LANE
*** CTB END STA 1975+00, 1983+00, & 1984+23.11
NTS

℄ IH20 STA 1979+50 ~ STA 1980+00
* CTB END STA 1983+00

℄ IH20 STA 1984+23.11 ~ STA 1993+81

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: 3.44 MILES

SCALE: 1"=100' H, 1"=10' V
5/4/2016
ROLL 1 OF 1

PREPARED BY URS CORPORATION TEXAS RANGER TIAD
FOR INTERIM REVIEW ONLY. NOT FOR CONSTRUCTION, BIDDING OR PERMITS
Prepared by or under the Direct Supervision of:
REGISTERING PEARSALL 84772 ——— DENA ALANIS 71865
NAME P.E. NUMBER NAME P.E. NUMBER

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

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FIELD SURVEY
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STATE OF OHIO
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OFFICE OF ENGINEERING
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