TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
Mohamed (Mo) K. Bur, P.E., DISTRICT ENGINEER

US 287 WIDENING DESIGN SCHEMATIC

NAVARRO COUNTY, TEXAS

PROJECT DESCRIPTION: RECONSTRUCT AND WIDEN TO FOUR LANES FROM IH 45 TO COUNTY ROAD 2040

DATE: MAY 28, 2019

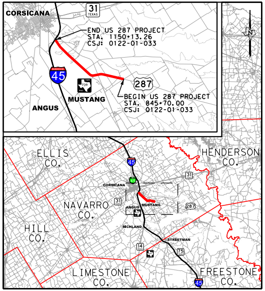
CSJ: 0122-01-033 IH 45 TO COUNTY ROAD 2040 (5.77 MILES)
TOTAL PROJECT LENGTH 5.77 MI (30,443.26 FT)

INDEX OF SHEETS

ROLL 1 OF 3: PLAN & PROFILE VIEW STA. 845+70.00 TO STA. 962+00.00
ROLL 2 OF 3: PLAN & PROFILE VIEW STA. 962+00.00 TO STA. 1097+00.00
ROLL 3 OF 3: PLAN & PROFILE VIEW STA. 1097+00.00 TO STA. 1150+13.26

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 287 STA. 845+70.00 TO STA. 859+00.00 (TRANSITION FROM 70 MPH TO 45 MPH)	70-45 MPH	RURAL MINOR ARTERIAL
US 287 STA. 859+00.00 TO STA. 1150+13.26	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 637 (CAMP WANICA RD.) FM 739	30 MPH	MAJOR COLLECTOR
W_US287 JUGHANDLE/MORGAN CIR. E_US287 JUGHANDLE	25 MPH	U-TURN (JUGHANDLES)

ROLL 1 OF 3


CORSICANA
31
END US 287 PROJECT
STA. 1150+13.26
CSJ: 0122-01-033
45
287
739
MUSTANG
ANGUS
BEGIN US 287 PROJECT
STA. 845+70.00
CSJ: 0122-01-033
N
ELLIS CO.
HENDERSON CO.
CORSICANA
NAVARRO CO.
31
ANGUS
MUSTANG
287
HILL CO.
RICHLAND
STREETMAN
14
75
LIMESTONE CO.
FREESTONE CO.
45

LOCATION MAP
N.T.S.

APPROVED
JUNE 29, 2018

NAVARRO COUNTY, TEXAS

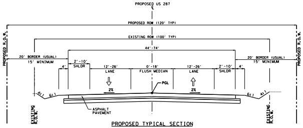
TEXAS COUNTY MAP
N.T.S.

0 100 200 300 400
HORIZONTAL SCALE

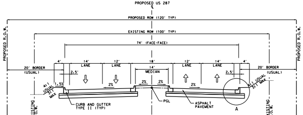
0 10 20 30 40
VERTICAL SCALE

PRELIMINARY
FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:
DOUGLAS C. BOWEN, PE, 87638 06-29-18
NAME P.E. NO. DATE

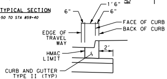
JACOBS®
1999 BRYAN STREET, SUITE 1200
DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966


PROPOSED US 287
PROPOSED ROW (120' TYP)
EXISTING ROW (100' TYP)
44'-74'
20' BORDER (USUAL)
15' MINIMUM
2'-10' SHLDR
12'-26' LANE
0'-18' FLUSH MEDIAN
12'-26' LANE
2'-10' SHLDR
PGL
2%
2%
4:1
6:1
ASPHALT PAVEMENT
PROPOSED R.O.W.
EXISTING R.O.W.

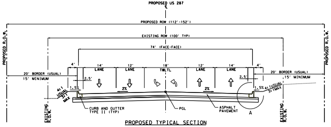
PROPOSED TYPICAL SECTION
STA 845+70 TO STA 855+50


PROPOSED US 287
PROPOSED ROW (120' TYP)
EXISTING ROW (100' TYP)
74' (FACE-FACE)
20' BORDER (USUAL)
14' LANE
12' LANE
18' MEDIAN
14'
12' LANE
14' LANE
2.5'
1.5%
2%
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

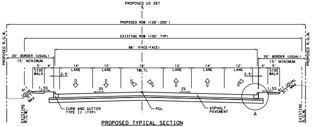
PROPOSED TYPICAL SECTION
STA 855+50 TO STA 859+40


6"
1'6"
6"
FACE OF CURB
BACK OF CURB
EDGE OF TRAVEL WAY
2'
HMAC LIMIT
CURB AND GUTTER TYPE II (TYP)

DETAIL A (TYPICAL)

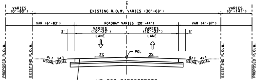

PROPOSED US 287
PROPOSED ROW (112'-152')
EXISTING ROW (100' TYP)
74' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
2.5'
1.5%
2%
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 859+40 TO STA 868+65

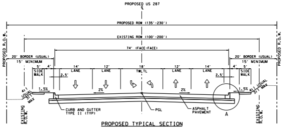

PROPOSED US 287
PROPOSED ROW (128'-200')
EXISTING ROW (100' TYP)
86' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5' SIDE WALK
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
12' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 868+65 TO STA 912+00
STA 990+60 TO STA 996+15
STA 1043+75 TO STA 1049+52

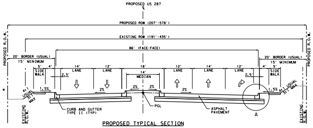
PROPOSED E US287 JUGHANDLE, W US287 JUGHANDLE/MORGAN CIRCLE, FM 739, FM 637


VARIES (0'-80')
EXISTING R.O.W. VARIES (30'-68')
VARIES (0'-141')
VAR (6'-83')
ROADWAY VARIES (20'-44')
VAR (4'-97')
VARIES (10'-22') LANE
VARIES (10'-22') LANE
3'
PGL
2%
4:1 6:1 USUAL USUAL
ASPHALT PAVEMENT
PROPOSED R.O.W.
EXISTING R.O.W.

US 287 SIDESTREETS
PROPOSED TYPICAL SECTION
E US287 JUGHANDLE
W US287 JUGHANDLE/MORGAN CIRCLE
FM 739
FM 637

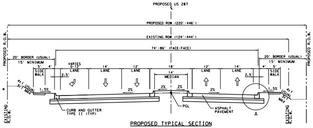

PROPOSED US 287
PROPOSED ROW (135'-230')
EXISTING ROW (100'-200')
74' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5' SIDE WALK
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 912+00 TO STA 920+60
STA 963+00 TO STA 990+60
STA 996+15 TO STA 1020+00
STA 1038+70 TO STA 1043+75
STA 1049+52 TO STA 1052+72


PROPOSED US 287
PROPOSED ROW (207'-578')
EXISTING ROW (191'-435')
86' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5' SIDE WALK
14' LANE
12' LANE
18' 14' MEDIAN
12' LANE
14' LANE
12' LANE
SIDE WALK
2.5'
1.5%
2%
*
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

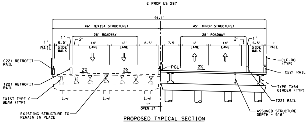
PROPOSED TYPICAL SECTION
STA 920+60 TO STA 924+71
STA 951+30 TO STA 956+52

*FOR JUGHANDLE RAMPS
SEE TYPICAL 929+95 TO 938+52

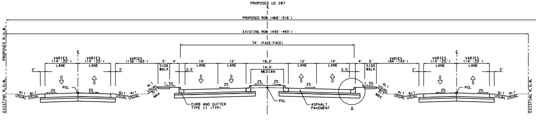

PROPOSED US 287
PROPOSED ROW (220'-446')
EXISTING ROW (124'-444')
74'-86' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5' SIDE WALK
VARIES 0-12' LANE
14' LANE
12' LANE
18' 14' MEDIAN
12' LANE
14' LANE
SIDE WALK
2.5'
1.5%
2%
*
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 924+71 TO STA 929+95
STA 956+52 TO STA 963+00

*FOR JUGHANDLE RAMPS
SEE TYPICAL 929+95 TO 938+52


℄ PROP US 287
91.1'
46' (EXIST STRUCTURE)
45' (PROP STRUCTURE)
28' ROADWAY
28' ROADWAY
1' RAIL
6.5' SIDE WALK
2'
14' LANE
12' LANE
8.5'
7.5'
12' LANE
14' LANE
6.5' SIDE WALK
1' RAIL
C221 RETROFIT RAIL
T221 RETROFIT RAIL
EXIST TYPE C BEAM (TYP)
2%
PGL
1" OPEN JT
CLF-RO (TYP)
C221 RAIL
TYPE TX54 GIRDER (TYP)
T221 RAIL
EXISTING STRUCTURE TO REMAIN IN PLACE
ASSUMED STRUCTURE DEPTH - 5'6"

PROPOSED TYPICAL SECTION
STA 938+51.32 TO STA 941+01.32
BNSF BRIDGE


PROPOSED US 287
PROPOSED ROW (468'-516')
EXISTING ROW (435'-493')
74' (FACE-FACE)
VARIES (14'-20') LANE
VARIES (14'-20') LANE
VARIES (136'-163')
5' SIDE WALK
14' LANE
12' LANE
18.0' 14.0' MEDIAN
12' LANE
14' LANE
SIDE WALK
VARIES (94'-143')
VARIES (14'-20') LANE
VARIES (14'-20')
2'
2.5'
1.5%
2%
PGL
4:1 6:1 USUAL USUAL
4:1 USUAL 3:1 MAX
CURB AND GUTTER TYPE II (TYP)
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 929+95 TO STA 938+52
STA 942+02 TO STA 951+30

LEGEND:

— - -	PROPOSED ROW
— - -	EXISTING ROW
——	CITY / TOWN LIMITS
— —	PROPOSED DRAINAGE EA
●-‖‖—‖‖-●	CONTROL OF ACCESS
——	PROPERTY LINES
······	EXISTING PLANIMETRIC
— - —	CENTERLINE/BASELINE
▨	EXISTING TO BE REMOV
▨	POSSIBLE ACQUISITION
☐	SH 31 BYPASS PROJECT (BY OTHERS)
→	DIRECTION OF TRAVEL
→	DIRECTION OF FLOW
——	PROPOSED EDGE OF PAV
— - —	PROPOSED CULVERT
🟧	PROPOSED BRIDGE
■	PROPOSED MAIN LANES
■	PROPOSED MAIN LANES
■	PROPOSED DRIVEWAY
🟩	RAISED MEDIAN
🟥	PROPOSED SIDEWALK
1	PARCEL IDENTIFIER NU
▭	100 YR FLOOD PLAIN
——	FUTURE SH 31 CONSTRU
🟨	SH31 UNDER CONSTRUCT

ASEMENT

FEATURES

PED

PEMENT

(ASPHALT)

(CONCRETE)

MBER

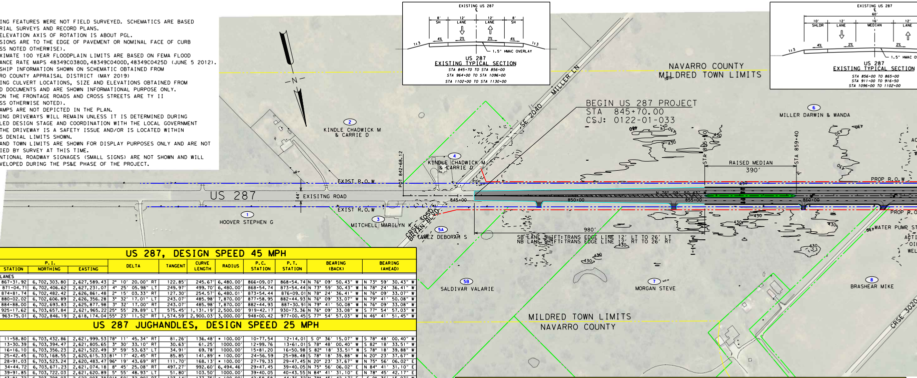
(FEMA)

UCTION

TION

NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT PGL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB (UNLESS NOTED OTHERWISE).
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS 48349C0380D, 48349C0400D, 48349C0425D (JUNE 5 2012).
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM NAVARRO COUNTY APPRAISAL DISTRICT (MAY 2019)
6. EXISTING CULVERT LOCATIONS, SIZE AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN INFORMATIONAL PURPOSE ONLY.
7. CURB ON THE FRONTAGE ROADS AND CROSS STREETS ARE TY II (UNLESS OTHERWISE NOTED).
8. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
10. CITY AND TOWN LIMITS ARE SHOWN FOR DISPLAY PURPOSES ONLY AND ARE NOT VERIFIED BY SURVEY AT THIS TIME.
11. CONVENTIONAL ROADWAY SIGNAGES (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.



EXISTING US 287
8' SH
12' LANE
12' LANE
8' SH
4%
2%
2%
4%
1:3
1.5" HMAC OVERLAY
US 287
EXISTING TYPICAL SECTION
STA 845+70 TO STA 856+00
STA 964+00 TO STA 1096+00
STA 1102+00 TO STA 1130+00
EXISTING US 287
60'
10' SHLDR
12' LANE
16' MEDIAN
12' LANE
1.5" HMAC O
US 287
EXISTING TYPICAL SECTION
STA 856+00 TO 865+00
STA 911+00 TO 916+50
STA 1096+00 TO 1102+00
N
NAVARRO COUNTY
MILDRED TOWN LIMITS
MILLER LN
SE 2040
BEGIN US 287 PROJECT
STA 845+70.00
CSJ: 0122-01-033
2
KINDLE CHADWICK M & CARRIE D
4
KINDLE CHADWICK M & CARRIE D
6
MILLER DARWIN & WANDA
RAISED MEDIAN
390'
STA 855+
STA 859+40
POT 842+68.12
EXIST R.O.W
US 287
EXISTING ROAD
EXIST R.O.W
PROP R.O.W
PROP R.O
845+00
850+00
855+00
860+00
1
HOOVER STEPHEN G
3
MITCHELL MARILYN K
CRSE 3050 BRYAN BLVD
5A
TAMEZ DEBORAH S
980'
SB LANE SHIFT: TRANS EDGE LINE 12' LT TO 26' LT
NB LANE SHIFT: TRANS EDGE LINE 12' RT TO 26' RT
430
WATER PUMP ST
5B
SALDIVAR VALARIE
7
MORGAN STEVE
8
BRASHEAR MIKE
MILDRED TOWN LIMITS
NAVARRO COUNTY
CRSE 3020

US 287, DESIGN SPEED 45 MPH

CURVE NAME	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT	CURVE LENGTH	RADIUS	P.C. STATION	P.T. STATION	BEARING (BACK)	BEARING (AHEAD)
US 287 MAINLANES											
US287_3	867+31.92	6,702,303.80	2,627,589.43	2° 10′ 20.00" RT	122.85′	245.67′	6,480.00′	866+09.07	868+54.74	N 76° 09′ 50.43" W	N 73° 59′ 30.43" W
US287_4	871+04.71	6,702,406.62	2,627,231.07	4° 25′ 05.98" LT	249.97′	499.70′	6,480.00′	868+54.74	873+54.44	N 73° 59′ 30.43" W	N 78° 24′ 36.41" W
US287_5	874+81.74	6,702,482.42	2,626,861.48	2° 15′ 03.33" RT	127.30′	254.57′	6,480.01′	873+54.44	876+09.01	N 78° 24′ 36.41" W	N 76° 09′ 33.07" W
US287_8	880+02.02	6,702,606.89	2,626,356.28	3° 32′ 17.01" LT	243.07′	485.98′	7,870.00′	877+58.95	882+44.93	N 76° 09′ 33.07" W	N 79° 41′ 50.08" W
US287_9	884+88.00	6,702,693.83	2,625,877.98	3° 32′ 17.00" RT	243.07′	485.98′	7,870.00′	882+44.93	887+30.91	N 79° 41′ 50.08" W	N 76° 09′ 33.08" W
US287_12	925+17.62	6,703,657.84	2,621,965.22	25° 55′ 29.89" LT	575.45′	1,131.19′	2,500.00′	919+42.17	930+73.36	N 76° 09′ 33.08" W	S 77° 54′ 57.03" W
US287_15	963+75.01	6,702,846.19	2,618,174.04	55° 23′ 11.52" RT	1,574.59′	2,900.03′	3,000.00′	948+00.42	977+00.45	S 77° 54′ 57.03" W	N 46° 41′ 51.45" W

US 287 JUGHANDLES, DESIGN SPEED 25 MPH

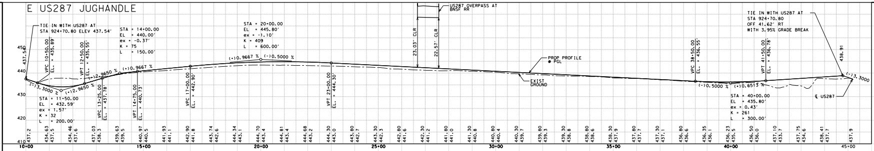
CURVE NAME	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT	CURVE LENGTH	RADIUS	P.C. STATION	P.T. STATION	BEARING (BACK)	BEARING (AHEAD)
E_JUGHNDL											
E_JUGHNDL1	11+58.80	6,703,432.86	2,621,999.53	78° 11′ 45.34" RT	81.26′	136.48′	* 100.00′	10+77.54	12+14.01	S 0° 36′ 15.07" W	S 78° 48′ 00.40" W
E_JUGHNDL2	13+30.39	6,703,394.47	2,621,805.65	3° 30′ 33.10" RT	30.63′	61.25′	1000.00′	12+99.76	13+61.01	S 78° 48′ 00.40" W	S 82° 18′ 33.51" W
E_JUGHNDL3	16+16.10	6,703,356.23	2,621,522.49	3° 59′ 53.63" LT	34.91′	69.78′	1000.00′	15+81.20	16+50.98	S 82° 18′ 33.51" W	S 78° 18′ 39.88" W
E_JUGHNDL4	25+42.45	6,703,168.55	2,620,615.33	81° 17′ 42.45" RT	85.85′	141.89′	* 100.00′	24+56.59	25+98.48	S 78° 18′ 39.88" W	N 20° 23′ 37.67" W
E_JUGHNDL5	28+91.03	6,703,523.24	2,620,483.47	96° 19′ 43.69" RT	111.70′	168.13′	* 100.00′	27+79.33	29+47.45	N 20° 23′ 37.67" W	N 75° 56′ 06.02" E
E_JUGHNDL6	34+44.72	6,703,671.23	2,621,074.18	8° 45′ 25.08" RT	497.27′	992.60′	6,494.46′	29+47.45	39+40.05	N 75° 56′ 06.02" E	N 84° 41′ 31.10" E
E_JUGHNDL7	39+91.85	6,703,722.03	2,621,620.89	5° 55′ 48.93" LT	51.80′	103.50′	1000.00′	39+40.05	40+43.55	N 84° 41′ 31.10" E	N 78° 45′ 42.17" E
E_JUGHNDL8	43+81.72	6,703,798.03	2,622,003.38	101° 50′ 32.90" RT	123.14′	177.75′	* 100.00′	42+58.58	44+36.32	N 78° 45′ 42.17" E	S 0° 36′ 15.07" W
MORGAN											
MORGAN_3	12+22.25	6,703,338.95	2,618,888.22	87° 48′ 57.84" RT	96.26′	153.27′	* 100.00′	11+25.99	12+79.26	N 5° 27′ 55.03" E	S 86° 43′ 07.14" E
MORGAN_6	17+17.65	6,703,308.35	2,619,421.99	14° 50′ 18.51" LT	130.22′	258.98′	1,000.00′	15+87.43	18+46.41	S 86° 43′ 07.14" E	N 78° 26′ 34.35" E
MORGAN_9	26+42.80	6,703,493.99	2,620,329.82	80° 45′ 19.08" RT	85.04′	140.94′	* 100.00′	25+57.76	26+98.71	N 78° 26′ 34.35" E	S 20° 48′ 06.57" E
MORGAN_12	30+03.38	6,703,129.68	2,620,468.22	98° 37′ 37.64" RT	116.32′	172.14′	* 100.00′	28+87.07	30+59.20	S 20° 48′ 06.57" E	S 77° 49′ 31.08" W
MORGAN_15	43+25.41	6,702,838.11	2,619,116.79	24° 31′ 19.86" RT	217.32′	427.99′	1,000.00′	41+08.09	45+36.08	S 77° 49′ 31.08" W	N 77° 39′ 09.06" W

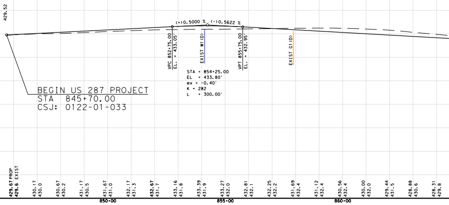
* CURVES IN U-TURN OR STOP CONDITION

US 287 ISCT STREETS, DESIGN SPEED 30 MPH

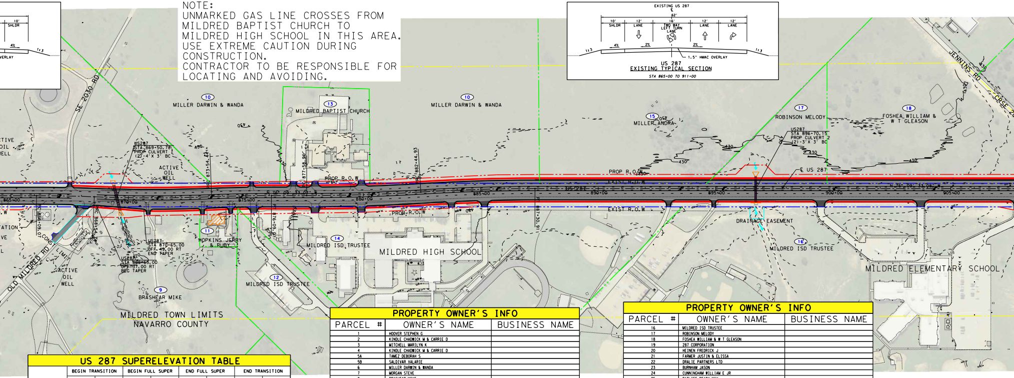
CURVE NAME	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT	CURVE LENGTH	RADIUS	P.C. STATION	P.T. STATION	BEARING (BACK)	BEARING (AHEAD)
FM739											
FM739_3	13+00.94	6,702,818,141	2,618,838.388	38° 23′ 37.38" RT	121.861	234.534	350.000′	11+79.08	14+13.61	S 5° 27′ 55.03" W	S 43° 51′ 32.41" W

E US287 JUGHANDLE





NOTE:
UNMARKED GAS LINE CROSSES FROM MILDRED BAPTIST CHURCH TO MILDRED HIGH SCHOOL IN THIS AREA. USE EXTREME CAUTION DURING CONSTRUCTION.
CONTRACTOR TO BE RESPONSIBLE FOR LOCATING AND AVOIDING.



10' SHLDR
4%
1:3
VERLAY
EXISTING US 287
℄
62'
10' SHLDR
12' LANE
16' TWO WAY LEFT TURN LANE
12' LANE
12' LANE
4%
2%
2%
1:3
1:3
1.5" HMAC OVERLAY
US 287
EXISTING TYPICAL SECTION
STA 865+00 TO 911+00
SE 2030 RD
JENNINS RD
CR SE 2
10 MILLER DARWIN & WANDA
13 MILDRED BAPTIST CHURCH
10 MILLER DARWIN & WANDA
15 MILLER ANDRA
17 ROBINSON MELODY
18 FOSHEA WILLIAM & W T GLEASON
ACTIVE OIL WELL
US287 STA 869+50.78 PROP CULVERT 1 (2)-4'X 3' BC
ACTIVE OIL WELL
PRC 873+54.44
PC 877+58.96
PC 882+44.93
PROP R.O.W
PROP R.O.W
US287 STA 896+70.15 PROP CULVERT 2 (2)-3'X 3' BC
℄ US 287
EXIST R.O.W
US 287
865+00
870+00
875+00
880+00
885+00
890+00
895+00
900+00
905+00
N 76° 09' 35.08" W
PROP R.O.W
EXIST R.O.W
DRAINAGE EASEMENT
PC 866+09.07
PRC 868+54
CONST LIMIT
OLD MILDRED RD
ACTIVE OIL WELL
ACTIVE OIL WELL
US287 STA 870+65.00 OFF 49.00 RT END TAPER
US287 STA 868+65.00 OFF 37.00 RT BEG TAPER
11 HOPKINS JERRY & RUBY
14 MILDRED ISD TRUSTEE
MILDRED HIGH SCHOOL
12 MILDRED ISD TRUSTEE
9 BRASHEAR MIKE
16 MILDRED ISD TRUSTEE
MILDRED ELEMENTARY SCHOOL
MILDRED TOWN LIMITS
NAVARRO COUNTY
430

PROPERTY OWNER'S INFO

PARCEL #	OWNER'S NAME	BUSINESS NAME
1	HOOVER STEPHEN G	
2	KINDLE CHADWICK M & CARRIE D	
3	MITCHELL MARILYN K	
4	KINDLE CHADWICK M & CARRIE D	
5A	TAMEZ DEBORAH S	
5B	SALDIVAR VALARIE	
6	MILLER DARWIN & WANDA	
7	MORGAN STEVE	
8	BRASHEAR MIKE	
9	BRASHEAR MIKE	
10	MILLER DARWIN & WANDA	
11	HOPKINS JERRY & RUBY	
12	MILDRED ISD TRUSTEE	
13	MILDRED BAPTIST CHURCH	
14	MILDRED ISD TRUSTEE	
15	MILLER ANDRA	

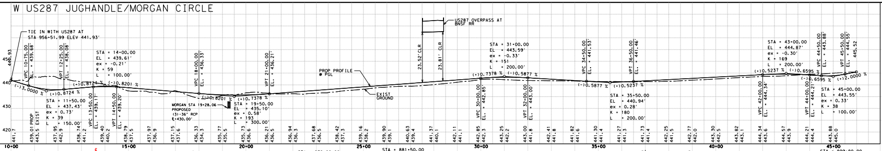
PROPERTY OWNER'S INFO

PARCEL #	OWNER'S NAME	BUSINESS NAME
16	MILDRED ISD TRUSTEE	
17	ROBINSON MELODY	
18	FOSHEA WILLIAM & W T GLEASON	
19	287 CORPORATION	
20	HEINEN FREDRICK J	
21	FARMER JUSTIN & ELISSA	
22	DRALIE PARTNERS LTD	
23	BURNHAM JASON	
24	CUNNINGHAM WILLIAM E JR	
25	RATLIFF READY MIX	
26	MILLER ANDRA	
27	POINDEXTER PROPERTIES LLC	
28	MILLER ANDRA	
29	CUNNINGHAM WILLIAM E JR	MORGAN CORPORATION
30	ELECTRIC $ LLC	SV TRACTORS
31	ROCK PILE-N-NURSERY TOO LLC	

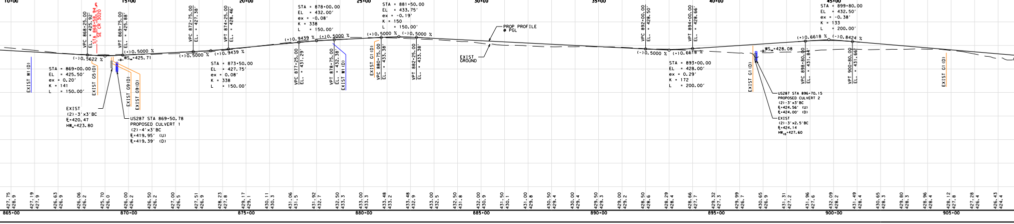
US 287 SUPERELEVATION TABLE

	BEGIN TRANSITION		BEGIN FULL SUPER		END FULL SUPER		END TRANSITION	
	STA	E	STA	E	STA	E	STA	E
US 287								
LEFT LANE	918+99.00	-2.00%	919+58.00	-3.30%	930+60.00	-3.30%	931+19.00	-2.00%
LEFT LANE	945+83.00	-2.00%	948+15.00	+3.00%	976+87.00	+3.00%	979+19.00	-2.00%
RIGHT LANE	917+13.00	-2.00%	919+58.00	+3.30%	930+60.00	+3.30%	933+05.00	-2.00%
RIGHT LANE	947+69.00	-2.00%	948+15.00	-3.00%	976+87.00	-3.00%	977+33.00	-2.00%

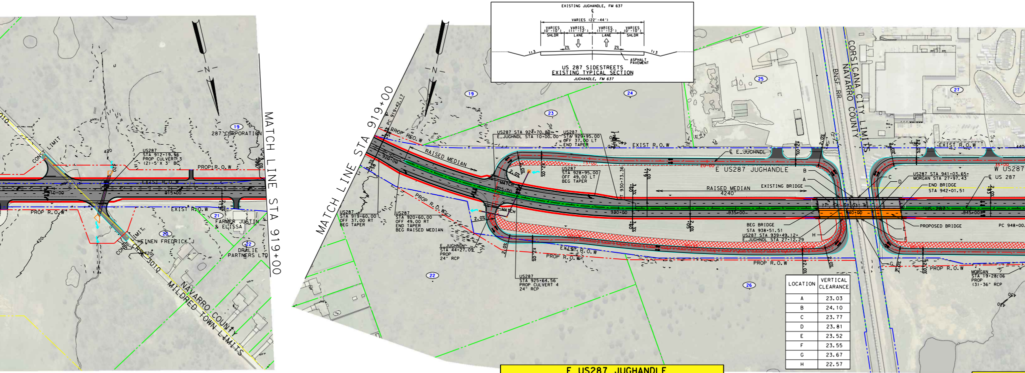
W US287 JUGHANDLE/MORGAN CIRCLE



TIE IN WITH US287 AT STA 956+51.99 ELEV 441.93'
VPC 10+75.00 EL. = 439.68'
VPT 12+25.00 EL. = 438.08'
STA = 14+00.00 EL = 439.61' ex = -0.21' K = 59 L = 100.00'
VPC 13+50.00 EL. = 439.17'
VPT 14+50.00 EL. = 439.20'
STA = 11+50.00 EL = 437.43' ex = 0.73' K = 39 L = 150.00'
(-)3.0000 %
(+)0.8724 %
(+)0.8724 %
(-)0.8201 %
(-)0.8201 %
(+)0.7378 %
VPC 18+00.00 EL. = 436.33'
VPT 21+00.00 EL. = 436.21'
MORGAN STA 19+28.06 PROPOSED (3)-36" RCP ℄=430.00'
STA = 19+50.00 EL = 435.10' ex = 0.58' K = 193 L = 300.00'
PROP PROFILE ⓐ PGL
EXIST GROUND
US287 OVERPASS AT BNSF RR
23.52' CLR
23.81' CLR
STA = 31+00.00 EL = 443.59' ex = -0.33' K = 151 L = 200.00'
(+)0.7378 %
(-)0.5877 %
VPC 30+00.00 EL. = 442.85
VPT 32+00.00 EL. = 443.00
VPC 34+50.00 EL. = 441.53'
VPT 36+50.00 EL. = 441.46
(-)0.5877 %
(+)0.5237 %
STA = 35+50.00 EL = 440.94' ex = 0.28' K = 180 L = 200.00'
STA = 43+00.00 EL = 444.87' ex = -0.30' K = 169 L = 200.00'
(+)0.5237 %
(-)0.6595 %
VPC 42+00.00 EL. = 444.34'
VPT 44+00.00 EL. = 444.21'
VPC 44+50.00 EL. = 443.88'
VPT 45+50.00 EL. = 444.55'
445.52
(-)0.6595 %
(+)2.0000 %
STA = 45+00.00 EL = 443.55' ex = 0.33' K = 38 L = 100.00'
450
440
430
420
10+00
15+00
20+00
25+00
30+00
35+00
40+00
45+00



VPC 868+25.00 EL. = 425.92'
STA 868+58.94 ℄ SE CR 3020
VPT 869+75.00 EL. = 425.88'
STA = 869+00.00 EL = 425.50' ex = 0.20' K = 141 L = 150.00'
(-)0.5622 %
(+)0.5000 %
WS₁₀₀=425.71
EXIST WI (D)
EXIST G5 (D)
EXIST G9 (D)
EXIST G9 (D)
EXIST (2)-3'x3' BC ℄=420.47 HW₁₀₀=423.80
US287 STA 869+50.78 PROPOSED CULVERT 1 (2)-4'x3' BC ℄=419.95' (U) ℄=419.39' (D)
VPC 872+75.00 EL. = 427.38'
VPT 874+25.00 EL. = 428.46'
(+)0.5000 %
(+)0.9439 %
STA = 873+50.00 EL = 427.75' ex = 0.08' K = 338 L = 150.00'
STA = 878+00.00 EL = 432.00' ex = -0.08' K = 338 L = 150.00'
(+)0.9439 %
(+)0.5000 %
VPC 877+25.00 EL. = 431.29'
VPT 878+75.00 EL. = 432.38'
EXIST WI (D)
STA = 881+50.00 EL = 433.75' ex = -0.19' K = 150 L = 150.00'
(+)0.5000 %
(-)0.5000 %
EXIST G1 (D)
VPC 880+75.00 EL. = 433.38'
VPT 882+25.00 EL. = 433.38'
PROP PROFILE ⓐ PGL
EXIST GROUND
VPC 892+00.00 EL. = 428.50'
VPT 894+00.00 EL. = 428.66'
(-)0.5000 %
(+)0.6618 %
STA = 893+00.00 EL = 428.00' ex = 0.29' K = 172 L = 200.00'
EXIST G1 (D)
WS₁₀₀=428.08
US287 STA 896+70.15 PROPOSED CULVERT 2 (2)-3'x3' BC ℄=424.56' (U) ℄=424.00' (D)
EXIST (2)-3'x2.5' BC ℄=424.14 HW₁₀₀=427.60
STA = 899+80.00 EL = 432.50' ex = -0.38' K = 133 L = 200.00'
(+)0.6618 %
(-)0.8424 %
VPC 898+80.00 EL. = 431.84'
VPT 900+80.00 EL. = 431.66'
EXIST G1 (D)
865+00
870+00
875+00
880+00
885+00
890+00
895+00
900+00
905+00


EXISTING JUGHANDLE, FM 637
VARIES (22'-44')
VARIES (0'-10') SHLDR
VARIES (11'-12') LANE
VARIES (11'-12') LANE
VARIES (0'-10') SHLDR
2%
2%
1:3
1:3
ASPHALT PAVEMENT
US 287 SIDESTREETS
EXISTING TYPICAL SECTION
JUGHANDLE, FM 637
MATCH LINE STA 919+00
MATCH LINE STA 919+00
287 CORPORATION
US287 STA 912+19.56 PROP CULVERT 3 (2)-5'X 3' BC
PROP R.O.W
EXIST R.O.W
PROP R.O.W
EXIST R.O.W
FARMER JUSTIN & ELISSA
HEINEN FREDRICK J
DRALIE PARTNERS LTD
CONST LIMIT
CONST LIMIT
CR 3010
MILDRED TOWN LIMITS
NAVARRO COUNTY
915+00
US287 STA 919+60.00 OFF 37.00 RT BEG TAPER
US287 STA 920+60.00 OFF 49.00 RT END TAPER BEG RAISED MEDIAN
PROP R.O.W
RAISED MEDIAN
PROP R.O.W
E_JUGHNDL STA 44+27.09 PROP 24" RCP
US287 STA 924+70.80= E_JUGHNDL STA 10+00.00
US287 STA 929+95.00 OFF 37.00 LT END TAPER
US287 STA 928+95.00 OFF 49.00 LT BEG TAPER
US287 STA 925+64.56 PROP CULVERT 4 24" RCP
EXIST R.O.W
MATCH
MATCH
925+00
930+00
935+00
940+00
945+00
E US287 JUGHANDLE
RAISED MEDIAN 4240'
EXISTING BRIDGE
BEG BRIDGE STA 938+51.51
US287 STA 939+49.12= E_JUGHNDL STA 27+12.29
℄ E_JUGHNDL
CORSICANA CITY LIMITS
NAVARRO COUNTY
BNSF RR
US287 STA 941+03.65= MORGAN STA 27+97.43
END BRIDGE STA 942+01.51
℄ US 287
W US287
PROPOSED BRIDGE
PC 948+00
MORGAN STA 19+28.06 PROP (3)-36" RCP
EXIST R.O.W
PROP R.O.W
A
B
C
D
E
F
G
H
2.0%
19
20
21
22
23
24
25
26
27

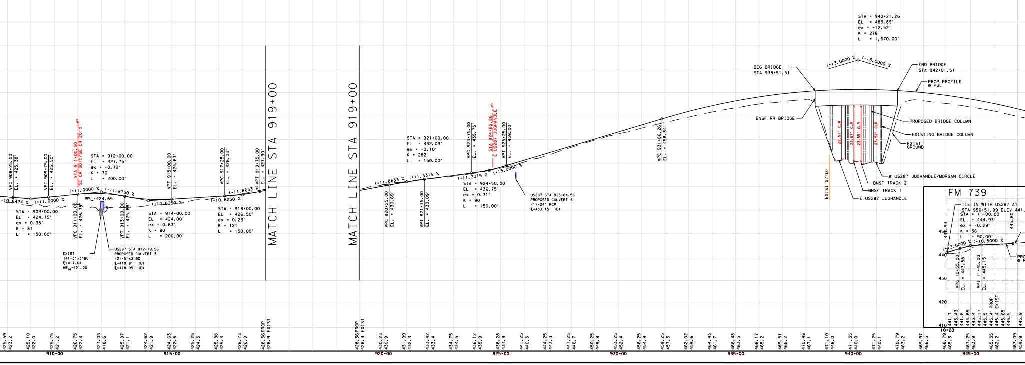
LOCATION	VERTICAL CLEARANCE
A	23.03
B	24.10
C	23.77
D	23.81
E	23.52
F	23.55
G	23.67
H	22.57

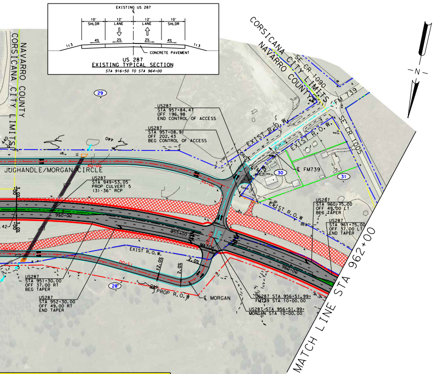
E US287 JUGHANDLE

BEGIN TRANSITION		BEGIN SINGLE CROSS SLOPE		END SINGLE CROSS SLOPE		END TRANSITION	
STA	CROSS SLOPE	STA	SLOPE	STA	SLOPE	STA	SLOPE
10+50	MATCH 287	11+00	SINGLE 2%	13+90	SINGLE 2%	14+90	ROOFTOP 2%
23+80	ROOFTOP 2%	24+80	SINGLE 2%	29+30	SINGLE 2%	30+30	ROOFTOP 2%
41+80	ROOFTOP 2%	42+80	SINGLE 2%	44+00	SINGLE 2%	44+70	MATCH 287

W US287

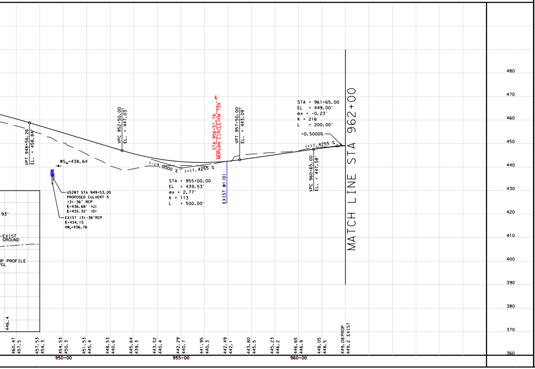
BEGIN TRANSITION	
STA	CROSS SLOPE
10+50	MATCH 287
24+80	ROOFTOP 2%


VPC 908+25.00 EL. = 425.38'
VPT 909+75.00 EL. = 425.50'
STA 911+00.50 SE CR 3010/SE CR 2010
STA = 912+00.00
EL = 427.75'
ex = -0.72'
K = 70
L = 200.00'
VPT 915+00.00 EL. = 424.63'
VPC 917+25.00 EL. = 426.03'
VPT 918+75.00 EL. = 427.90'
(-)0.8424 %
(+)1.0000 %
(+)1.0000 %
(-)1.8750 %
(+)0.6250 %
(+)0.6250 %
(+)1.8633 %
WS = 424.65
STA = 909+00.00
EL = 424.75'
ex = 0.35'
K = 81
L = 150.00'
VPC 911+00.00 EL. = 426.75'
VPT 913+00.00 EL. = 425.88'
STA = 914+00.00
EL = 424.00'
ex = 0.63'
K = 80
L = 200.00'
STA = 918+00.00
EL = 426.50'
ex = 0.23'
K = 121
L = 150.00'
EXIST (4)-3'x3'BC ℄=417.61 HW10=421.20
US287 STA 912+19.56 PROPOSED CULVERT 3 (2)-5'x3'BC ℄=419.81' (U) ℄=418.95' (D)
MATCH LINE STA 919+00
MATCH LINE STA 919+00
STA = 921+00.00
EL = 432.09'
ex = -0.10'
K = 282
L = 150.00'
VPC 923+75.00 EL. = 435.75'
STA 924+65.86 E US287 JUGHANDLE
VPT 925+25.00 EL. = 439.00'
(+)1.8633 %
(+)1.3315 %
(+)1.3315 %
(+)3.0000 %
VPC 920+25.00 EL. = 430.69'
VPT 921+75.00 EL. = 433.09'
STA = 924+50.00
EL = 436.75'
ex = 0.31'
K = 90
L = 150.00'
US287 STA 925+64.56 PROPOSED CULVERT 4 (1)-24" RCP ℄=433.15' (D)
VPC 931+86.26 EL. = 456.84'
STA = 940+21.26
EL = 483.89'
ex = -12.52'
K = 278
L = 1,670.00'
(+)3.0000 %
(-)3.0000 %
BEG BRIDGE STA 938+51.51
END BRIDGE STA 942+01.51
PROP PROFILE @ PGL
BNSF RR BRIDGE
PROPOSED BRIDGE COLUMN
EXISTING BRIDGE COLUMN
EXIST GROUND
22.57' CLR
23.67' CLR
23.55' CLR
23.52' CLR
EXIST G7(D)
W US287 JUGHANDLE/MORGAN CIRCLE
BNSF TRACK 2
BNSF TRACK 1
E US287 JUGHANDLE
FM 739
TIE IN WITH US287 AT STA 956+51.99 ELEV 441.
STA = 11+00.00
EL = 444.93'
ex = -0.28'
K = 36
L = 90.00'
(+)3.0000 %
(+)0.5000 %
VPC 10+55.00 EL. = 443.58'
VPT 11+45.00 EL. = 445.15'
440.93
445.80
450
440
430
420
410
10+00
441.7 443.43 441.8 444.65 443.4 445.17 445.5 445.41 PROP 445.4 EXIST 445.65 445.5 445.9
425.59 423.2
425.10 422.0
425.75 421.2
426.75 422.4
427.03 418.6
425.87 421.1
424.62 421.9
424.63 422.6
425.25 424.3
425.88 425.4
426.73 426.9
428.36 PROP 428.9 EXIST
428.36 PROP 428.9 EXIST
430.23 430.9
431.99 432.3
433.42 433.4
434.75 434.5
436.12 435.9
438.28 437.9
441.25 440.5
444.25 443.3
447.25 446.7
450.25 449.8
453.25 452.4
456.25 454.9
459.25 457.3
462.02 459.6
464.43 461.7
466.48 463.5
468.17 465.2
469.51 466.2
470.48 467.1
471.10 448.0
471.35 440.0
471.25 440.1
470.79 463.2
469.97 466.5
468.79 465.3
467.25 463.9
465.35 462.2
463.09 459.9
910+00
915+00
920+00
925+00
930+00
935+00
940+00
945+00


EXISTING US 287
10' SHLDR
12' LANE
12' LANE
10' SHLDR
4%
2%
2%
4%
1:3
1:3
CONCRETE PAVEMENT
US 287
EXISTING TYPICAL SECTION
STA 916+50 TO STA 964+00
NAVARRO COUNTY
CORSICANA CITY LIMITS
CORSICANA CITY LIMITS
NAVARRO COUNTY
N
29
30
31
28
US287
STA 957+84.47
OFF 196.98
END CONTROL OF ACCESS
US287
STA 957+08.91
OFF 202.43
BEG CONTROL OF ACCESS
JUGHANDLE/MORGAN CIRCLE
40+00
45+00
15+00
US287
STA 949+53.05
PROP CULVERT 5
(3)-36" RCP
950+00
955+00
960+00
3.0%
±2.0%
2.0%
2.0%
EXIST R.O.W.
EXIST R.O.W.
EXIST R.O.W
PROP R.O.W
CONST
FM 739
SE CR 1090
SE CR 1005
℄ FM739
℄ MORGAN
MATCH
US287
STA 951+30.00
OFF 37.00 RT
BEG TAPER
US287
STA 952+30.00
OFF 49.00 RT
END TAPER
US287
STA 960+75.00
OFF 49.00 LT
BEG TAPER
US287
STA 961+75.00
OFF 37.00 LT
END TAPER
US287 STA 956+51.99=
FM739 STA 10+00.00
US287 STA 956+51.99=
MORGAN STA 10+00.00
MATCH LINE STA 962+00

JUGHANDLE/MORGAN CIRCLE

BEGIN SINGLE CROSS SLOPE		END SINGLE CROSS SLOPE		END TRANSITION	
STA	SLOPE	STA	SLOPE	STA	SLOPE
11+00	SINGLE 2%	12+60	SINGLE 2%	13+60	ROOFTOP 2%
25+80	SINGLE 2%	30+40	SINGLE 2%	31+40	ROOFTOP 2%



TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
Mohamed (Mo) K. Bur, P.E., DISTRICT ENGINEER

US 287 WIDENING
DESIGN SCHEMATIC

NAVARRO COUNTY, TEXAS

PROJECT DESCRIPTION: RECONSTRUCT AND WIDEN TO FOUR LANES FROM IH 45 TO COUNTY ROAD 2040

DATE: MAY 28, 2019

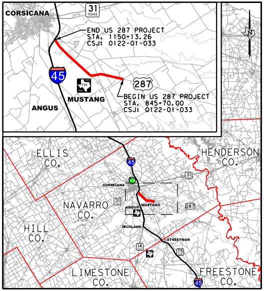
CSJ: 0122-01-033 IH 45 TO COUNTY ROAD 2040 (5.77 MILES)
TOTAL PROJECT LENGTH 5.77 MI (30,443.26 FT)

INDEX OF SHEETS

ROLL 1 OF 3:	PLAN & PROFILE VIEW STA. 845+70.00 TO STA. 962+00.00
ROLL 2 OF 3:	PLAN & PROFILE VIEW STA. 962+00.00 TO STA. 1097+00.00
ROLL 3 OF 3:	PLAN & PROFILE VIEW STA. 1097+00.00 TO STA. 1150+13.26

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 287 STA. 845+70.00 TO STA. 859+00.00 (TRANSITION FROM 70 MPH TO 45 MPH)	70-45 MPH	RURAL MINOR ARTERIAL
US 287 STA. 859+00.00 TO STA. 1150+13.26	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 637 (CAMP WANICA RD.) FM 739	30 MPH	MAJOR COLLECTOR
W_US287 JUGHANDLE/MORGAN CIR. E_US287 JUGHANDLE	25 MPH	U-TURN (JUGHANDLES)

ROLL 1 OF 3


CORSICANA
31
END US 287 PROJECT
STA. 1150+13.26
CSJ: 0122-01-033
45
739
287
BEGIN US 287 PROJECT
STA. 845+70.00
CSJ: 0122-01-033
MUSTANG
ANGUS
ELLIS CO.
HENDERSON CO.
NAVARRO CO.
HILL CO.
LIMESTONE CO.
FREESTONE CO.
CORSICANA
ANGUS
MUSTANG
RICHLAND
STREETMAN
45
31
287
14
75

LOCATION MAP
N.T.S.

APPROVED
JUNE 29, 2018

NAVARRO COUNTY, TEXAS

TEXAS COUNTY MAP
N.T.S.

0 100 200 300 400
HORIZONTAL SCALE

0 10 20 30 40
VERTICAL SCALE

PRELIMINARY
FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
DOUGLAS C. BOWEN, PE,	87638	06-29-18

JACOBS
1999 BRYAN STREET, SUITE 1200
DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
Mohamed (Mo) K. Bur, P.E., DISTRICT ENGINEER

US 287 WIDENING
DESIGN SCHEMATIC

NAVARRO COUNTY, TEXAS

PROJECT DESCRIPTION: RECONSTRUCT AND WIDEN TO FOUR LANES FROM IH 45 TO COUNTY ROAD 2040

DATE: MAY 28, 2019

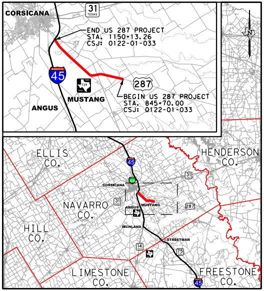
CSJ: 0122-01-033	**IH 45 TO COUNTY ROAD 2040**	**(5.77 MILES)**
TOTAL PROJECT LENGTH		**5.77 MI (30,443.26 FT)**

INDEX OF SHEETS

ROLL 1 OF 3:	PLAN & PROFILE VIEW STA. 845+70.00 TO STA. 962+00.00
ROLL 2 OF 3:	PLAN & PROFILE VIEW STA. 962+00.00 TO STA. 1097+00.00
ROLL 3 OF 3:	PLAN & PROFILE VIEW STA. 1097+00.00 TO STA. 1150+13.26

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 287 STA. 845+70.00 TO STA. 859+00.00 (TRANSITION FROM 70 MPH TO 45 MPH)	70-45 MPH	RURAL MINOR ARTERIAL
US 287 STA. 859+00.00 TO STA. 1150+13.26	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 637 (CAMP WANICA RD.) FM 739	30 MPH	MAJOR COLLECTOR
W_US287 JUGHANDLE/MORGAN CIR. E_US287 JUGHANDLE	25 MPH	U-TURN (JUGHANDLES)

ROLL 2 OF 3


CORSICANA
31 TEXAS
END US 287 PROJECT
STA. 1150+13.26
CSJ: 0122-01-033
45
739
287
MUSTANG
ANGUS
BEGIN US 287 PROJECT
STA. 845+70.00
CSJ: 0122-01-033
N
ELLIS CO.
HENDERSON CO.
NAVARRO CO.
HILL CO.
LIMESTONE CO.
FREESTONE CO.
CORSICANA
MUSTANG
ANGUS
RICHLAND
STREETMAN
31
287
14
75
45

LOCATION MAP
N.T.S.

APPROVED
JUNE 29, 2018

NAVARRO COUNTY, TEXAS

TEXAS COUNTY MAP
N.T.S.

0 100 200 300 400
HORIZONTAL SCALE

0 10 20 30 40
VERTICAL SCALE

PRELIMINARY
FOR INTERIM REVIEW ONLY
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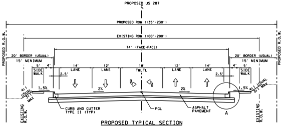
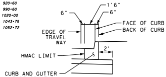
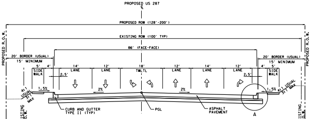
JACOBS
1999 BRYAN STREET, SUITE 1200
DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966


PROPOSED US 287 ℄
PROPOSED ROW (135'-230')
EXISTING ROW (100'-200')
74' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5'
4'
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL
3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

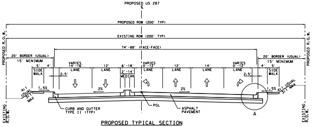
PROPOSED TYPICAL SECTION
STA 912+00 TO STA 920+60
STA 963+00 TO STA 990+60
STA 996+15 TO STA 1020+00
STA 1038+70 TO STA 1043+75
STA 1049+52 TO STA 1052+72


1'6"
6"
6"
FACE OF CURB
BACK OF CURB
EDGE OF TRAVEL WAY
2'
HMAC LIMIT
CURB AND GUTTER TYPE II (TYP)

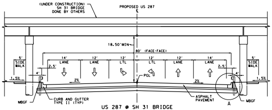
DETAIL A (TYPICAL)


PROPOSED US 287 ℄
PROPOSED ROW (128'-200')
EXISTING ROW (100' TYP)
86' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5'
4'
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
12' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL
3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

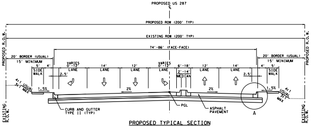
PROPOSED TYPICAL SECTION
STA 868+65 TO STA 912+00
STA 990+60 TO STA 996+15
STA 1043+75 TO STA 1049+52


PROPOSED US 287 ℄
PROPOSED ROW (200' TYP)
EXISTING ROW (200' TYP)
74'-88' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5'
4'
VARIES 14'-16' LANE
12' LANE
6'-18'
2'-14' MEDIAN
VARIES 0'-12' LANE
12' LANE
14' LANE
VARIES 0'-12' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL
3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

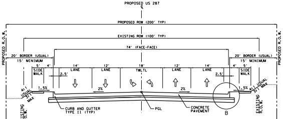
PROPOSED TYPICAL SECTION
STA 1020+00 TO STA 1026+80


(UNDER CONSTRUCTION) SH 31 BRIDGE DONE BY OTHERS
PROPOSED US 287 ℄
18.50' MIN
80' (FACE-FACE)
5' SIDE WALK
14' LANE
12' LANE
12' LTL
12' LTL
12' LANE
14' LANE
2.5'
1.5%
2%
4'
PGL
CURB AND GUTTER TYPE II (TYP)
ASPHALT PAVEMENT
MBGF
A

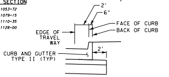
US 287 @ SH 31 BRIDGE
DONE BY OTHERS
PROPOSED TYPICAL SECTION
STA 1026+80 TO STA 1033+80


PROPOSED US 287 ℄
PROPOSED ROW (200' TYP)
EXISTING ROW (200' TYP)
74'-86' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5'
4'
VARIES 0'-12' LANE
14' LANE
12' LANE
VARIES 0'-12' LANE
6'-18'
2'-14' MEDIAN
12' LANE
14' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL
3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
ASPHALT PAVEMENT
A
PROPOSED R.O.W.
EXISTING R.O.W.

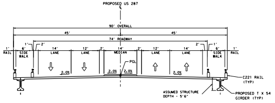
PROPOSED TYPICAL SECTION
STA 1033+80 TO STA 1038+70


PROPOSED US 287 ℄
PROPOSED ROW (200' TYP)
EXISTING ROW (100' TYP)
74' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5'
4'
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL
3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
PROPOSED R.O.W.
EXISTING R.O.W.

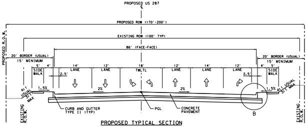
PROPOSED TYPICAL SECTION
STA 1052+72 TO STA 1053+72
STA 1058+22 TO STA 1079+15
STA 1084+93 TO STA 1110+35
STA 1121+20 TO STA 1128+00


2'
6"
FACE OF CURB
BACK OF CURB
EDGE OF TRAVEL WAY
2'
CURB AND GUTTER TYPE II (TYP)

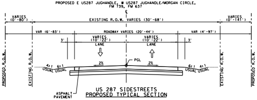
DETAIL B (TYPICAL)


PROPOSED US 287 ℄
90' OVERALL
45'
45'
74' ROADWAY
1'
6'
2'
14' LANE
12' LANE
2'
14' MEDIAN
2'
12' LANE
14' LANE
2'
6'
1'
RAIL
SIDE WALK
PGL
2.0%
C221 RAIL (TYP)
ASSUMED STRUCTURE DEPTH - 5'6"
PROPOSED T X 54 GIRDER (TYP)

PROPOSED TYPICAL SECTION
STA 1053+72 TO STA 1058+22
LAKE HALBERT


PROPOSED US 287 ℄
PROPOSED ROW (170'-200')
EXISTING ROW (100' TYP)
86' (FACE-FACE)
20' BORDER (USUAL)
15' MINIMUM
5'
4'
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
12' LANE
SIDE WALK
2.5'
1.5%
2%
4:1 USUAL
3:1 MAX
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
PROPOSED R.O.W.
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1079+15 TO STA 1084+93


PROPOSED E US287 JUGHANDLE, W US287 JUGHANDLE/MORGAN CIRCLE, FM 739, FM 637
℄
VARIES (0'-80')
EXISTING R.O.W. VARIES (30'-68')
VARIES (0'-141')
VAR (6'-83')
ROADWAY VARIES (20'-44')
VAR (4'-97')
3'
VARIES (10'-22') LANE
VARIES (10'-22') LANE
3'
PGL
2%
4:1 USUAL
6:1 USUAL
6:1 USUAL
4:1 USUAL
ASPHALT PAVEMENT
PROPOSED R.O.W.
EXISTING R.O.W.

US 287 SIDESTREETS
PROPOSED TYPICAL SECTION
E US287 JUGHANDLE
W US287 JUGHANDLE/MORGAN CIRCLE
FM 739
FM 637

LEGEND:

🟥 - -	PROPOSED ROW
🟦 - -	EXISTING ROW
—	CITY / TOWN LIMITS
— —	PROPOSED DRAINAGE EASEMENT
●-‖‖-‖‖-●	CONTROL OF ACCESS
—	PROPERTY LINES
....	EXISTING PLANIMETRIC FEATURES
— - —	CENTERLINE/BASELINE
▨	EXISTING TO BE REMOVED
▨	POSSIBLE ACQUISITION
☐	SH 31 BYPASS PROJECT (BY OTHERS)
→	DIRECTION OF TRAVEL
→	DIRECTION OF FLOW
—	PROPOSED EDGE OF PAVEMENT
— - —	PROPOSED CULVERT
🟧	PROPOSED BRIDGE
■	PROPOSED MAIN LANES (ASPHALT)
■	PROPOSED MAIN LANES (CONCRETE)
■	PROPOSED DRIVEWAY
🟩	RAISED MEDIAN
🟥	PROPOSED SIDEWALK
①	PARCEL IDENTIFIER NUMBER
■	100 YR FLOOD PLAIN (FEMA)
—	FUTURE SH 31 CONSTRUCTION
🟨	SH31 UNDER CONSTRUCTION

US 287, DESIGN SPEED 45 MPH

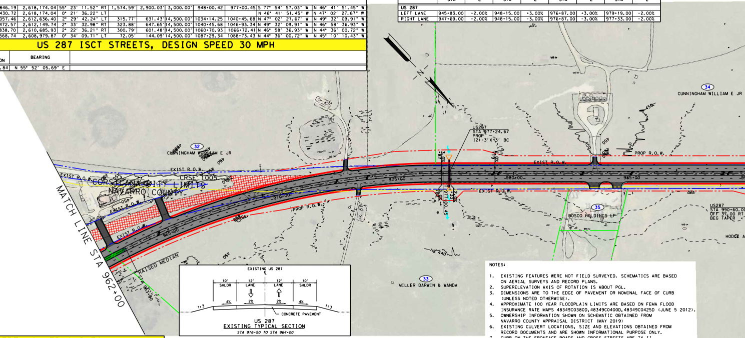
CURVE NAME	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT	CURVE LENGTH	RADIUS	P.C. STATION	P.T. STATION	BEARING (BACK)	BEARING (AHEAD)
US 287 MAINLANES											
US287_15	963+75.01	6,702,846.19	2,618,174.04	55° 23′ 11.52″ RT	1,574.59′	2,900.03′	3,000.00′	948+00.42	977+00.45	S 77° 54′ 57.03″ W	N 46° 41′ 51.45″ W
US287_18	1028+10.34	6,707,430.72	2,618,174.04	0° 21′ 36.22″ LT						N 46° 41′ 51.45″ W	N 47° 02′ 27.67″ W
US287_20	1037+30.02	6,708,057.46	2,612,636.40	2° 29′ 42.24″ LT	315.77′	631.43′	14,500.00′	1034+14.25	1040+45.68	N 47° 02′ 27.67″ W	N 49° 32′ 09.91″ W
US287_21	1043+69.56	6,708,472.57	2,612,149.74	2° 33′ 32.98″ RT	323.88′	647.65′	14,500.00′	1040+45.68	1046+93.34	N 49° 32′ 09.91″ W	N 46° 58′ 36.93″ W
US287_24	1063+71.71	6,709,838.70	2,610,685.93	2° 22′ 36.21″ RT	300.79′	601.48′	14,500.00′	1060+70.93	1066+72.41	N 46° 58′ 36.93″ W	N 44° 36′ 00.72″ W
US287_27	1088+01.38	6,711,568.74	2,608,979.87	0° 34′ 09.71″ LT	72.05′	144.09′	14,500.00′	1087+29.34	1088+73.43	N 44° 36′ 00.72″ W	N 45° 10′ 10.43″ W

US 287 ISCT STREETS, DESIGN SPEED 30 MPH

ALIGNMENT NAME	BEGIN STATION	END STATION	BEARING
FM637	10+00.00	13+96.84	N 55° 52′ 05.69″ E

US 287 SUPERELEVATION TABLE

	BEGIN TRANSITION		BEGIN FULL SUPER		END FULL SUPER		END TRANSITION	
	STA	E	STA	E	STA	E	STA	E
US 287								
LEFT LANE	945+83.00	-2.00%	948+15.00	+3.00%	976+87.00	+3.00%	979+19.00	-2.00%
RIGHT LANE	947+69.00	-2.00%	948+15.00	-3.00%	976+87.00	-3.00%	977+33.00	-2.00%


N
CUNNINGHAM WILLIAM E JR
32
34
CUNNINGHAM WILLIAM E JR
EXIST R.O.W.
PROP R.O.W.
CORSICANA CITY LIMITS
NAVARRO COUNTY
CRSE 1005
MATCH LINE STA 962+00
RAISED MEDIAN
965+00
970+00
975+00
980+00
985+00
US287
STA 977+24.67
PROP
(2)-3'X3' BC
35
BOSCO HOLDINGS LP
33
MILLER DARWIN & WANDA
US287
STA 990+60.00
OFF 37.00 RT
BEG TAPER
HODGE A
EXISTING US 287
℄
10'
SHLDR
12'
LANE
12'
LANE
10'
SHLDR
4%
2%
2%
4%
1:3
1:3
CONCRETE PAVEMENT

US 287

EXISTING TYPICAL SECTION

STA 916+50 TO STA 964+00

NOTES:

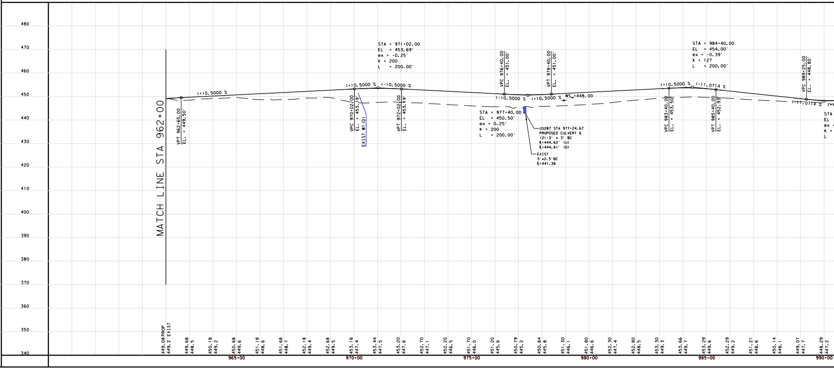
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT PGL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB (UNLESS NOTED OTHERWISE).
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS 48349C0380D, 48349C0400D, 48349C0425D (JUNE 5 2012).
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM NAVARRO COUNTY APPRAISAL DISTRICT (MAY 2019)
6. EXISTING CULVERT LOCATIONS, SIZE AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN INFORMATIONAL PURPOSE ONLY.
7. CURB ON THE FRONTAGE ROADS AND CROSS STREETS ARE TY II (UNLESS OTHERWISE NOTED).
8. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
10. CITY AND TOWN LIMITS ARE SHOWN FOR DISPLAY PURPOSES ONLY AND ARE NOT VERIFIED BY SURVEY AT THIS TIME.
11. CONVENTIONAL ROADWAY SIGNAGES (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.

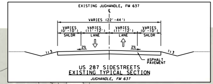
PROPERTY OWNER'S INFO

PARCEL #	OWNER'S NAME	BUSINESS NAME
32	CUNNINGHAM WILLIAM E JR	
33	MILLER DARWIN & WANDA	
34	CUNNINGHAM WILLIAM E JR	
35	BOSCO HOLDINGS LP	
36	HODGE ALICE WHITTEN EST	
37	HOLLOWAY GARY N & DEBRA L	

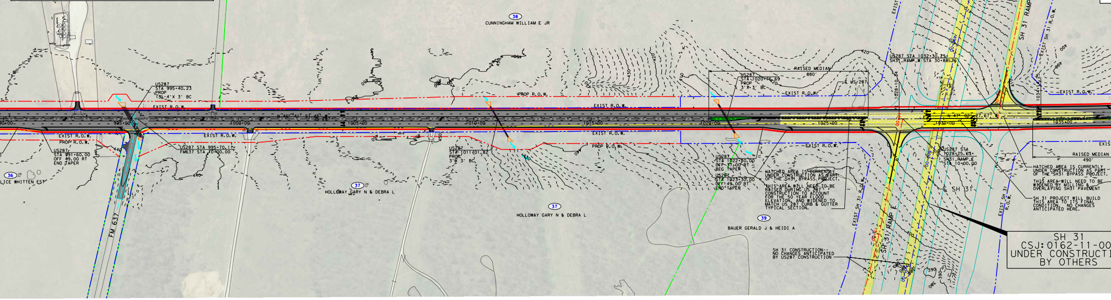
PROPERTY OWNER'S INFO

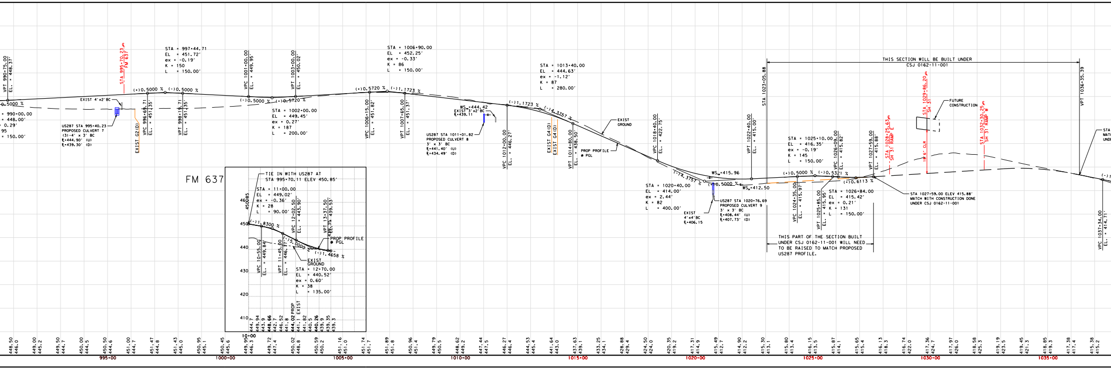
PARCEL #	OWNER'S NAME	BUSINESS NAME
38	CUNNINGHAM WILLIAM E JR	GUARDIAN INDUSTRIES CORPORATION
39	BAUER GERALD J & HEIDI A	
40	CITY OF CORSICANA	
41	HAYES GREGORY R & JANA ZANE HAYES	
42	GUARDIAN INDUSTRIES CORP	BRICK STREET BBQ

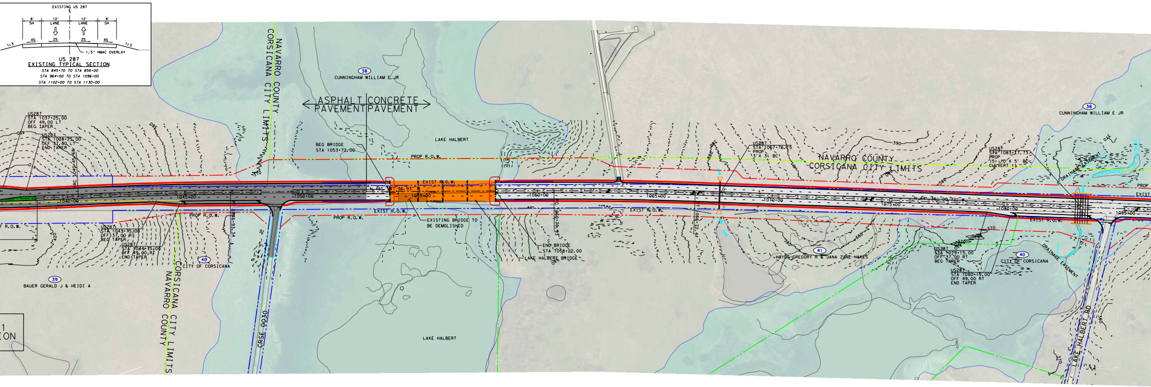


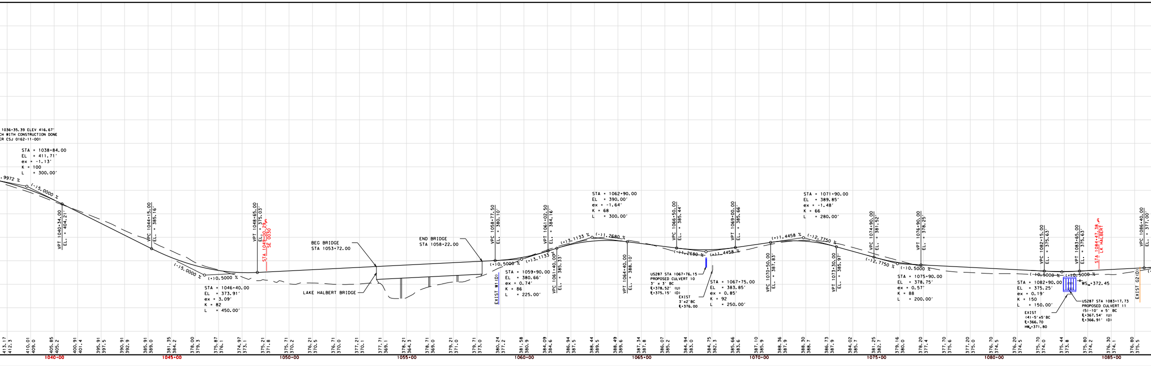

EXISTING JUGHANDLE, FM 637
℄
VARIES (22'-44')
VARIES (0'-10') SHLDR
VARIES (11'-12') LANE
VARIES (11'-12') LANE
VARIES (0'-10') SHLDR
2%
2%
1:3
1:3
ASPHALT PAVEMENT

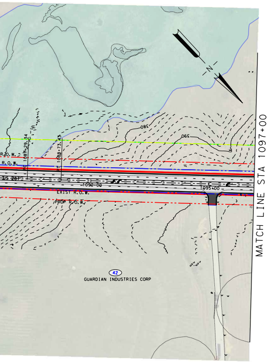
US 287 SIDESTREETS
EXISTING TYPICAL SECTION
JUGHANDLE, FM 637

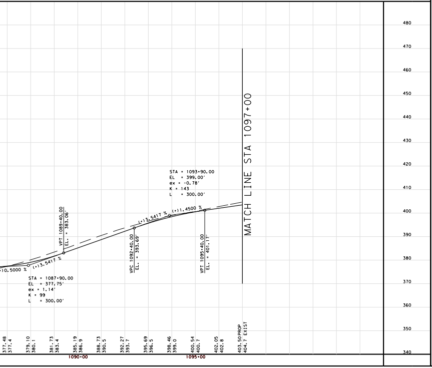

38
CUNNINGHAM WILLIAM E JR
US287 STA 995+40.23 PROP (3)-4'X 3' BC
EXIST R.O.W.
PROP R.O.W.
995+00
1000+00
1005+00
1010+00
1015+00
1020+00
1025+00
1030+00
1035+00
N 46° 41' 51.45" W
US 287
US287 STA 991+60.00 OFF 49.00 RT END TAPER
US287 STA 995+70.11= FM637 STA 10+00.00
36
LICE WHITTEN EST
440
FM 637
37
HOLLOWAY GARY N & DEBRA L
US287 STA 1011+01.82 PROP 3'X 3' BC
37
HOLLOWAY GARY N & DEBRA L
US287 STA 1020+76.69 PROP 3'X 3' BC
RAISED MEDIAN 680'
℄ US 287
US287 STA 1022+80.00 OFF 37.00 RT BEG TAPER
US287 STA 1023+30.00 OFF 49.00 RT END TAPER
HATCHED AREA IS CURRENTLY UNDER CONSTRUCTION AS PART OF THE SH31 BYPASS PROJECT.
THIS AREA WILL NEED TO BE RAISED DURING US 287 CONSTRUCTION TO ACCOUNT FOR THE 50 YEAR FLOOD ELEVATION, AND WIDENED TO MATCH US 287 CURB & GUTTER TYPICAL SECTION.
39
BAUER GERALD J & HEIDI A
SH 31 CONSTRUCTION-- NO CHANGES ANTICIPATED BY US287 CONSTRUCTION
EXIST SH 31 R.O.W.
1028+10.34
US287 STA 1032+30.25= SH31_RAMP_W STA 30+88.76
N 47° 02' 27.67" W
US287 STA 1028+25.63= SH31_RAMP_E STA 10+00.00
℄ SH 31
SH 31 RAMP E
SH 31 RAMP W
1034+14.25
RAISED MEDIAN 490'
HATCHED AREA IS CURRENTLY UNDER CONSTRUCTION AS PART OF THE SH31 BYPASS PROJECT.
THIS AREA WILL NEED TO BE WIDENED BY MILLING & OVERLAYING SH31 PAVEMENT
SH 31 PROJECT WILL BUILD THIS AREA TO ITS FINAL CONDITION. NO CHANGES ANTICIPATED HERE.
SH 31 CONSTRUCTION-- NO CHANGES ANTICIPATED BY US287 CONSTRUCTION
SH 31
CSJ:0162-11-00
UNDER CONSTRUCTI
BY OTHERS
420
410
400
390


VPT 990+75.00 EL. = 448.37'
STA = 990+00.00 EL = 448.00' ex = 0.29' K = 95 L = 150.00'
(+)0.5000 %
EXIST 4'x2' BC
US287 STA 995+40.23 PROPOSED CULVERT 7 (3)-4' x 3' BC ℄=444.90' (U) ℄=439.30' (D)
STA 995+70.23 FM 637
EXIST G2(D)
VPC 996+69.71 EL. = 451.35'
VPT 998+19.71 EL. = 451.35'
STA = 997+44.71 EL = 451.72' ex = -0.19' K = 150 L = 150.00'
(+)0.5000 %
(-)0.5000 %
VPC 1001+00.00 EL. = 449.95'
VPT 1003+00.00 EL. = 450.02'
(-)0.5000 %
(+)0.5720 %
STA = 1002+00.00 EL = 449.45' ex = 0.27' K = 187 L = 200.00'
STA = 1006+90.00 EL = 452.25' ex = -0.33' K = 86 L = 150.00'
(+)0.5720 %
(-)1.1723 %
VPC 1006+15.00 EL. = 451.82'
VPT 1007+65.00 EL. = 451.37'
WS = 444.42
EXIST 3'x2' BC ℄=439.11
US287 STA 1011+01.82 PROPOSED CULVERT 8 3' x 3' BC ℄=441.40' (U) ℄=434.49' (D)
VPC 1012+00.00 EL. = 446.27'
(-)1.1723 %
(-)4.3757 %
STA = 1013+40.00 EL = 444.63' ex = -1.12' K = 87 L = 280.00'
EXIST G4(D)
EXIST G4(D)
VPT 1014+80.00 EL. = 438.50'
EXIST GROUND
PROP PROFILE @ PGL
VPC 1018+40.00 EL. = 422.75'
(-)4.3757 %
STA = 1020+40.00 EL = 414.00' ex = 2.44' K = 82 L = 400.00'
WS = 415.96
(+)0.5000 %
WS = 412.50
EXIST 4'x4' BC ℄=406.15
US287 STA 1020+76.69 PROPOSED CULVERT 9 3' x 3' BC ℄=408.44' (U) ℄=407.73' (D)
VPT 1022+40.00 EL. = 415.00'
STA 1023+05.88
THIS SECTION WILL BE BUILT UNDER CSJ 0162-11-001
STA = 1025+10.00 EL = 416.35' ex = -0.19' K = 145 L = 150.00'
(+)0.5000 %
(-)0.5321 %
(+)0.6113 %
VPC 1024+35.00 EL. = 415.97'
VPT 1025+85.00 EL. = 415.95'
VPC 1026+09.00 EL. = 415.82'
STA = 1026+84.00 EL = 415.42' ex = 0.21' K = 131 L = 150.00'
VPT 1027+59.00 EL. = 415.88'
THIS PART OF THE SECTION BUILT UNDER CSJ 0162-11-001 WILL NEED TO BE RAISED TO MATCH PROPOSED US287 PROFILE.
STA 1027+59.00 ELEV 415.88' MATCH WITH CONSTRUCTION DONE UNDER CSJ 0162-11-001
STA 1028+25.63 SH 31 RAMP E
STA 1029+86.20 SH 31
18'6" CLR
FUTURE CONSTRUCTION
STA 1032+30.25 SH 31 RAMP W
VPT 1036+35.39
VPC 1037+34.00 EL. = 414.71'
FM 637
TIE IN WITH US287 AT STA 995+70.11 ELEV 450.85'
STA = 11+00.00 EL = 449.02' ex = -0.36' K = 28 L = 90.00'
(-)1.8300 %
VPC 10+55.00 EL. = 449.84'
VPT 11+45.00 EL. = 446.77'
VPC 12+02.50 EL. = 443.90'
(-)15.0000 %
VPT 13+37.50 EL. = 439.53'
(-)1.4658 %
PROP PROFILE @ PGL
EXIST GROUND
STA = 12+70.00 EL = 440.52' ex = 0.60' K = 38 L = 135.00'
460
450
440
430
420
410
PROP
EXIST
10+00
995+00
1000+00
1005+00
1010+00
1015+00
1020+00
1025+00
1030+00
1035+00


EXISTING US 287
℄
8'
SH
12'
LANE
12'
LANE
8'
SH
4%
2%
2%
4%
1:3
1:3
1.5" HMAC OVERLAY
US 287
EXISTING TYPICAL SECTION
STA 845+70 TO STA 856+00
STA 964+00 TO STA 1096+00
STA 1102+00 TO STA 1130+00
US287
STA 1037+25.00
OFF 49.00 LT
BEG TAPER
US287
STA 1038+25.00
OFF 37.00 LT
END TAPER
US287
STA 1043+75.00
OFF 37.00 RT
BEG TAPER
US287
STA 1044+75.00
OFF 49.00 RT
END TAPER
NAVARRO COUNTY
CORSICANA CITY LIMITS
CORSICANA CITY LIMITS
NAVARRO COUNTY
38
CUNNINGHAM WILLIAM E JR
ASPHALT CONCRETE
PAVEMENT PAVEMENT
LAKE HALBERT
BEG BRIDGE
STA 1053+72.00
PROP R.O.W.
EXIST R.O.W.
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00
1075+00
1080+00
1085+00
EXISTING BRIDGE TO
BE DEMOLISHED
END BRIDGE
STA 1058+22.00
LAKE HALBERT BRIDGE
40
CITY OF CORSICANA
39
BAUER GERALD J & HEIDI A
CRSE 0030
LAKE HALBERT
US287
STA 1067+76.15
PROP
3' X 3' BC
NAVARRO COUNTY
CORSICANA CITY LIMITS
41
HAYES GREGORY R & JANA ZANE HAYES
US287
STA 1079+15.00
OFF 37.00 RT
BEG TAPER
US287
STA 1080+15.00
OFF 49.00 RT
END TAPER
40
CITY OF CORSICANA
US287
STA 1083+17.73
PROP
(5)-10' X 5' BC
CULVERT 11
DRAINAGE EASEMENT
DRAINAGE EASEMENT
38
CUNNINGHAM WILLIAM E JR
LAKE HALBERT RD
390
380
370


1036+35.39 ELEV 416.67'
CH WITH CONSTRUCTION DONE
ER CSJ 0162-11-001
STA = 1038+84.00
EL = 411.71'
ex = -1.13'
K = 100
L = 300.00'
.9972 %
(-)5.0000 %
VPT 1040+34.00
EL. = 404.21'
VPC 1044+15.00
EL. = 385.16'
(-)5.0000 %
(+)0.5000 %
STA = 1046+40.00
EL = 373.91'
ex = 3.09'
K = 82
L = 450.00'
VPT 1048+65.00
EL. = 375.03'
STA 1049+00.29
SE 0030
BEG BRIDGE
STA 1053+72.00
LAKE HALBERT BRIDGE
END BRIDGE
STA 1058+22.00
VPC 1058+77.50
EL. = 380.10'
(+)0.5000 %
EXIST W1(D)
(+)3.1133 %
STA = 1059+90.00
EL = 380.66'
ex = 0.74'
K = 86
L = 225.00'
VPT 1061+02.50
EL. = 384.16'
VPC 1061+40.00
EL. = 385.33'
(+)3.1133 %
STA = 1062+90.00
EL = 390.00'
ex = -1.64'
K = 68
L = 300.00'
(-)1.2680 %
VPT 1064+40.00
EL. = 388.10'
VPC 1066+50.00
EL. = 385.44'
(-)1.2680 %
(+)1.4458 %
US287 STA 1067+76.15
PROPOSED CULVERT 10
3' x 3' BC
℄=378.52' (U)
℄=375.15' (D)
EXIST
3'x2'BC
℄=376.00
STA = 1067+75.00
EL = 383.85'
ex = 0.85'
K = 92
L = 250.00'
VPT 1069+00.00
EL. = 385.66'
VPC 1070+50.00
EL. = 387.83'
(+)1.4458 %
STA = 1071+90.00
EL = 389.85'
ex = -1.48'
K = 66
L = 280.00'
(-)2.7750 %
VPT 1073+30.00
EL. = 385.97'
VPC 1074+90.00
EL. = 381.52'
(-)2.7750 %
(-)0.5000 %
STA = 1075+90.00
EL = 378.75'
ex = 0.57'
K = 88
L = 200.00'
VPT 1076+90.00
EL. = 378.25'
VPC 1082+15.00
EL. = 375.63'
(-)0.5000 %
(+)0.5000 %
STA = 1082+90.00
EL = 375.25'
ex = 0.19'
K = 150
L = 150.00'
EXIST
(4)-5'x5'BC
℄=366.70
HW=371.80
US287 STA 1083+17.73
PROPOSED CULVERT 11
(5)-10' x 5' BC
℄=367.54' (U)
℄=366.91' (D)
WS=372.45
VPT 1083+65.00
EL. = 375.63'
STA 1084+47.38
LK HALBERT
EXIST G2(D)
VPC 1086+40.00
EL. = 377.00'
413.17
412.3
410.01
409.0
405.85
405.2
400.91
401.4
395.91
397.5
390.91
392.9
385.91
389.0
381.35
384.2
378.00
379.3
375.87
376.1
374.97
373.1
375.21
371.8
375.71
370.2
376.21
370.5
376.71
370.0
377.21
370.1
377.71
369.1
378.21
364.3
378.71
369.0
379.21
371.0
379.71
373.0
380.24
377.2
381.58
380.9
384.09
384.6
386.94
387.5
388.44
389.5
388.49
389.6
387.34
387.8
386.07
385.2
384.94
383.0
384.75
382.3
385.66
383.6
387.10
385.9
388.36
387.9
388.30
388.7
386.73
387.9
384.02
385.7
381.25
382.7
379.16
380.0
378.20
377.4
377.70
375.6
377.20
375.0
376.70
374.5
376.20
374.5
375.70
374.0
375.44
373.8
375.80
374.2
376.30
374.1
376.80
375.5
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00
1075+00
1080+00
1085+00


MATCH LINE STA 1097+00
GUARDIAN INDUSTRIES CORP
42
R.O.W.
EXIST R.O.W.
PROP R.O.W.
1090+00
1095+00
390
N



TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
Mohamed (Mo) K. Bur, P.E., DISTRICT ENGINEER

US 287 WIDENING
DESIGN SCHEMATIC

NAVARRO COUNTY, TEXAS

PROJECT DESCRIPTION: RECONSTRUCT AND WIDEN TO FOUR LANES FROM IH 45 TO COUNTY ROAD 2040

DATE: MAY 28, 2019

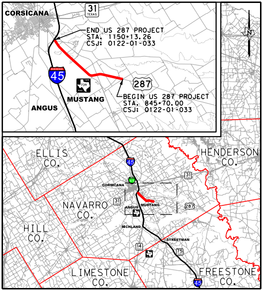
CSJ: 0122-01-033 IH 45 TO COUNTY ROAD 2040 (5.77 MILES)
TOTAL PROJECT LENGTH 5.77 MI (30,443.26 FT)

INDEX OF SHEETS

ROLL 1 OF 3:	PLAN & PROFILE VIEW STA. 845+70.00 TO STA. 962+00.00
ROLL 2 OF 3:	PLAN & PROFILE VIEW STA. 962+00.00 TO STA. 1097+00.00
ROLL 3 OF 3:	PLAN & PROFILE VIEW STA. 1097+00.00 TO STA. 1150+13.26

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 287 STA. 845+70.00 TO STA. 859+00.00 (TRANSITION FROM 70 MPH TO 45 MPH)	70-45 MPH	RURAL MINOR ARTERIAL
US 287 STA. 859+00.00 TO STA. 1150+13.26	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 637 (CAMP WANICA RD.) FM 739	30 MPH	MAJOR COLLECTOR
W_US287 JUGHANDLE/MORGAN CIR. E_US287 JUGHANDLE	25 MPH	U-TURN (JUGHANDLES)

ROLL 2 OF 3


CORSICANA
31
END US 287 PROJECT
STA. 1150+13.26
CSJ: 0122-01-033
45
287
739
MUSTANG
ANGUS
BEGIN US 287 PROJECT
STA. 845+70.00
CSJ: 0122-01-033
N
ELLIS CO.
HENDERSON CO.
NAVARRO CO.
HILL CO.
LIMESTONE CO.
FREESTONE CO.
CORSICANA
ANGUS
MUSTANG
RICHLAND
STREETMAN
31
287
14
75
45

LOCATION MAP
N.T.S.

NAVARRO COUNTY, TEXAS
TEXAS COUNTY MAP
N.T.S.

APPROVED JUNE 29, 2018

0 100 200 300 400
HORIZONTAL SCALE

0 10 20 30 40
VERTICAL SCALE

PRELIMINARY
FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

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DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
Mohamed (Mo) K. Bur, P.E., DISTRICT ENGINEER

US 287 WIDENING DESIGN SCHEMATIC

NAVARRO COUNTY, TEXAS

PROJECT DESCRIPTION: RECONSTRUCT AND WIDEN TO FOUR LANES FROM IH 45 TO COUNTY ROAD 2040

DATE: MAY 28, 2019

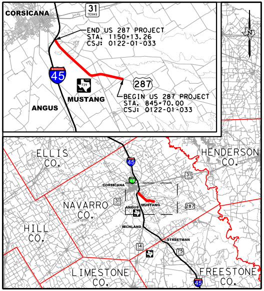
CSJ: 0122-01-033 IH 45 TO COUNTY ROAD 2040 (5.77 MILES)
TOTAL PROJECT LENGTH 5.77 MI (30,443.26 FT)

INDEX OF SHEETS

ROLL 1 OF 3: PLAN & PROFILE VIEW STA. 845+70.00 TO STA. 962+00.00
ROLL 2 OF 3: PLAN & PROFILE VIEW STA. 962+00.00 TO STA. 1097+00.00
ROLL 3 OF 3: PLAN & PROFILE VIEW STA. 1097+00.00 TO STA. 1150+13.26

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 287 STA. 845+70.00 TO STA. 859+00.00 (TRANSITION FROM 70 MPH TO 45 MPH)	70-45 MPH	RURAL MINOR ARTERIAL
US 287 STA. 859+00.00 TO STA. 1150+13.26	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 637 (CAMP WANICA RD.) FM 739	30 MPH	MAJOR COLLECTOR
W_US287 JUGHANDLE/MORGAN CIR. E_US287 JUGHANDLE	25 MPH	U-TURN (JUGHANDLES)

ROLL 3 OF 3



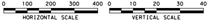
CORSICANA
31
TEXAS
END US 287 PROJECT
STA. 1150+13.26
CSJ: 0122-01-033
45
739
287
MUSTANG
ANGUS
BEGIN US 287 PROJECT
STA. 845+70.00
CSJ: 0122-01-033
N
ELLIS CO.
HENDERSON CO.
CORSICANA
31
NAVARRO CO.
ANGUS
MUSTANG
287
HILL CO.
RICHLAND
STREETMAN
14
75
LIMESTONE CO.
FREESTONE CO.
45

LOCATION MAP
N.T.S.

APPROVED
JUNE 29, 2018

NAVARRO COUNTY, TEXAS

TEXAS COUNTY MAP
N.T.S.



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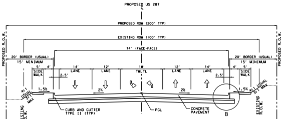
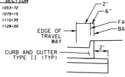


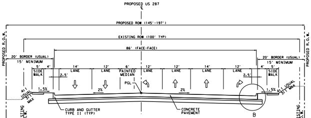
PROPOSED US 287
℄
PROPOSED ROW (200' TYP)
EXISTING ROW (100' TYP)
74' (FACE-FACE)
PROPOSED R.O.W.
20' BORDER (USUAL)
15' MINIMUM
5'
4'
SIDE WALK
2.5'
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
2.5'
4'
5'
SIDE WALK
20' BORDER (USUAL)
15' MINIMUM
PROPOSED R.O.W.
4:1 USUAL
3:1 MAX
1.5%
2%
2%
1.5%
4:1 USUAL
3:1 MAX
EXISTING R.O.W.
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1052+72 TO STA 1053+72
STA 1058+22 TO STA 1079+15
STA 1084+93 TO STA 1110+35
STA 1121+20 TO STA 1128+00



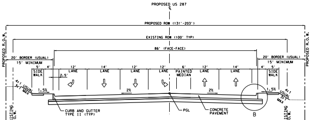
2'
6"
FACE OF CURB
BACK OF CURB
EDGE OF TRAVEL WAY
CURB AND GUTTER TYPE II (TYP)
2'

DETAIL B (TYPICAL)



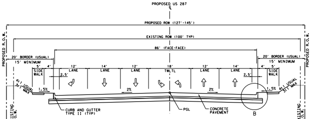
PROPOSED US 287
℄
PROPOSED ROW (145'-197')
EXISTING ROW (100' TYP)
86' (FACE-FACE)
PROPOSED R.O.W.
20' BORDER (USUAL)
15' MINIMUM
5'
4'
SIDE WALK
2.5'
14' LANE
12' LANE
6' PAINTED MEDIAN
PGL
12' LANE
12' LANE
14' LANE
12' LANE
2.5'
4'
5'
SIDE WALK
20' BORDER (USUAL)
15' MINIMUM
PROPOSED R.O.W.
4:1 USUAL
3:1 MAX
1.5%
2%
2%
1.5%
4:1 USUAL
3:1 MAX
EXISTING R.O.W.
CURB AND GUTTER TYPE II (TYP)
CONCRETE PAVEMENT
B
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1110+35 TO STA 1115+84
STA 1134+90 TO STA 1138+85



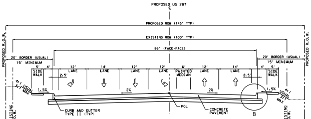
PROPOSED US 287
℄
PROPOSED ROW (131'-203')
EXISTING ROW (100' TYP)
86' (FACE-FACE)
PROPOSED R.O.W.
20' BORDER (USUAL)
15' MINIMUM
5'
4'
SIDE WALK
2.5'
12' LANE
14' LANE
12' LANE
12' LANE
6' PAINTED MEDIAN
12' LANE
14' LANE
2.5'
4'
5'
SIDE WALK
20' BORDER (USUAL)
15' MINIMUM
PROPOSED R.O.W.
4:1 USUAL
3:1 MAX
1.5%
2%
2%
1.5%
4:1 USUAL
3:1 MAX
EXISTING R.O.W.
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1115+84 TO STA 1121+20
STA 1138+85 TO STA 1143+00



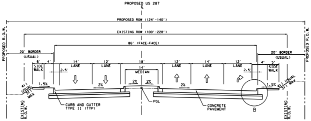
PROPOSED US 287
℄
PROPOSED ROW (127'-145')
EXISTING ROW (100' TYP)
86' (FACE-FACE)
PROPOSED R.O.W.
20' BORDER (USUAL)
15' MINIMUM
5'
4'
SIDE WALK
2.5'
12' LANE
14' LANE
12' LANE
18' TWLTL
12' LANE
14' LANE
2.5'
4'
5'
SIDE WALK
20' BORDER (USUAL)
15' MINIMUM
PROPOSED R.O.W.
4:1 USUAL
3:1 MAX
1.5%
2%
2%
1.5%
4:1 USUAL
3:1 MAX
EXISTING R.O.W.
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1128+00 TO STA 1132+95



PROPOSED US 287
℄
PROPOSED ROW (145' TYP)
EXISTING ROW (100' TYP)
86' (FACE-FACE)
PROPOSED R.O.W.
20' BORDER (USUAL)
15' MINIMUM
5'
4'
SIDE WALK
2.5'
12' LANE
14' LANE
12' LANE
12' LANE
6' PAINTED MEDIAN
12' LANE
14' LANE
2.5'
4'
5'
SIDE WALK
20' BORDER (USUAL)
15' MINIMUM
PROPOSED R.O.W.
4:1 USUAL
3:1 MAX
1.5%
2%
2%
1.5%
4:1 USUAL
3:1 MAX
EXISTING R.O.W.
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1132+95 TO STA 1134+90

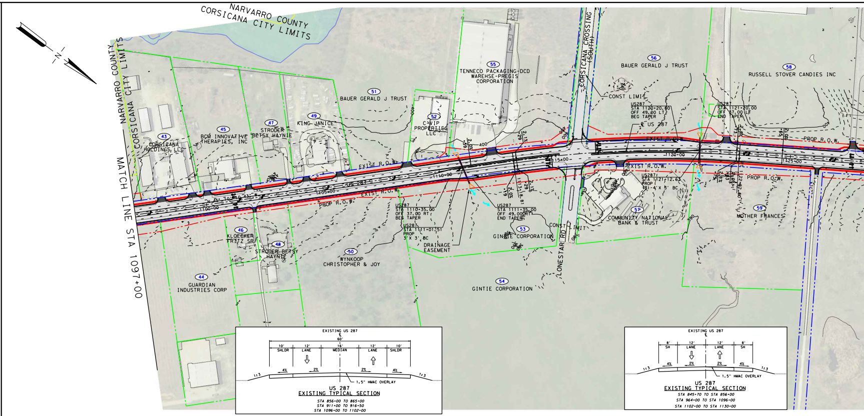


PROPOSED US 287
℄
PROPOSED ROW (124'-140')
EXISTING ROW (100'-228')
86' (FACE-FACE)
PROPOSED R.O.W.
20' BORDER (USUAL)
5'
4'
SIDE WALK
2.5'
14' LANE
12' LANE
18'
14' MEDIAN
2%
2%
12' LANE
14' LANE
12' LANE
2.5'
4'
5'
SIDE WALK
20' BORDER (USUAL)
PROPOSED R.O.W.
4:1 USUAL
3:1 MAX
1.5%
2%
2%
1.5%
4:1 USUAL
3:1 MAX
EXISTING R.O.W.
CURB AND GUTTER TYPE II (TYP)
PGL
CONCRETE PAVEMENT
B
EXISTING R.O.W.

PROPOSED TYPICAL SECTION
STA 1143+00 TO STA 1149+00

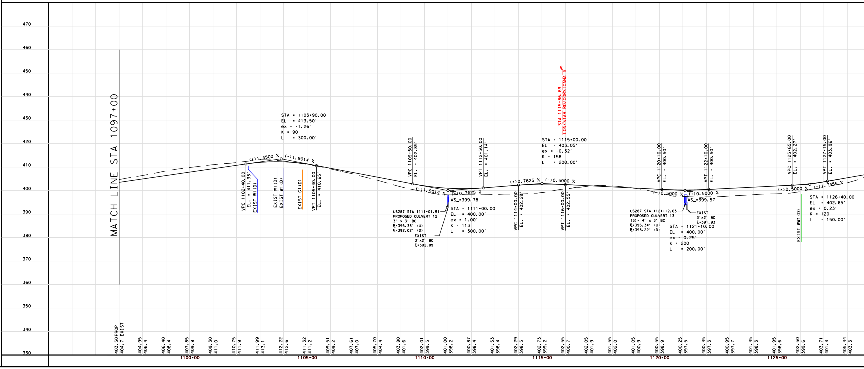
LEGEND:

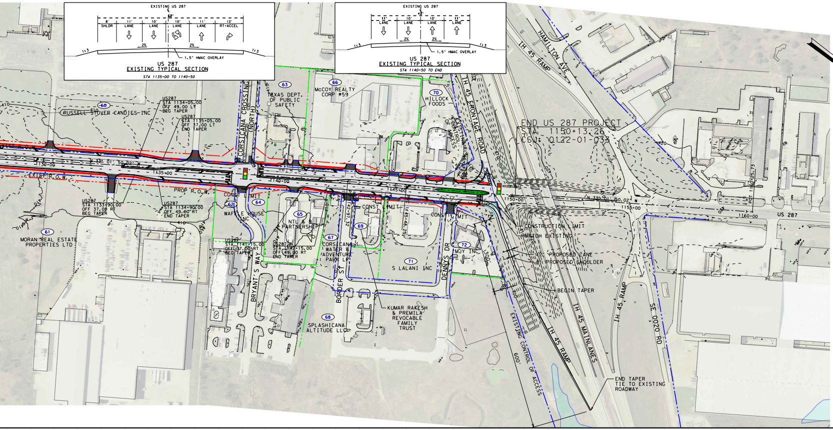
━ ‑ ‑	PROPOSED ROW
━ ‑ ‑	EXISTING ROW
━	CITY / TOWN LIMITS
— —	PROPOSED DRAINAGE EASEMENT
●‑‑‑‑●	CONTROL OF ACCESS
━	PROPERTY LINES
┈	EXISTING PLANIMETRIC FEATURES
— ‑ —	CENTERLINE/BASELINE
▨	EXISTING TO BE REMOVED
▨	POSSIBLE ACQUISITION
☐	SH 31 BYPASS PROJECT (BY OTHERS)
→	DIRECTION OF TRAVEL
↪	DIRECTION OF FLOW
━	PROPOSED EDGE OF PAVEMENT
— ‑ —	PROPOSED CULVERT
🟧	PROPOSED BRIDGE
■	PROPOSED MAIN LANES (ASPHALT)
□	PROPOSED MAIN LANES (CONCRETE)
■	PROPOSED DRIVEWAY
🟩	RAISED MEDIAN
🟥	PROPOSED SIDEWALK
(1)	PARCEL IDENTIFIER NUMBER
🟦	100 YR FLOOD PLAIN (FEMA)
━	FUTURE SH 31 CONSTRUCTION
🟨	SH31 UNDER CONSTRUCTION


N
NARVARRO COUNTY
CORSICANA CITY LIMITS
NARVARRO COUNTY
CORSICANA CITY LIMITS
MATCH LINE STA 1097+00
43
CORSICANA HOLDINGS, LLC
45
BCM INNOVATIVE THERAPIES, INC
47
STRODER BETSY HAYNIE
49
KING JANICE
51
BAUER GERALD J TRUST
52
C-VIP PROPERTIES LLC
55
TENNECO PACKAGING-DCD WAREHSE-PREGIS CORPORATION
CORSICANA CROSSING (SOUTH)
56
BAUER GERALD J TRUST
58
RUSSELL STOVER CANDIES INC
CONST LIMIT
US287 STA 1120+20.00 OFF 49.00 LT BEG TAPER
℄ US 287
US287 STA 1121+20.00 OFF 37.00 LT END TAPER
EXIST R.O.W.
PROP R.O.W.
1100+00
1105+00
1110+00
1115+00
1120+00
1125+00
2.0%
2.1%
400
US 287
US287 STA 1110+35.00 OFF 37.00 RT BEG TAPER
US287 STA 1111+01.51 PROP 3'X 3' BC
DRAINAGE EASEMENT
US287 STA 1111+35.00 OFF 49.00 RT END TAPER
CONST LIMIT
53
GINTIE CORPORATION
LONESTAR RD
US287 STA 1121+12.63 PROP (3)-4'X 3' BC
57
COMMUNITY NATIONAL BANK & TRUST
59
MOTHER FRANCES
46
KLOECKER FRITZ SR
48
STRODER BETSY HAYNIE
50
WYNKOOP CHRISTOPHER & JOY
44
GUARDIAN INDUSTRIES CORP
54
GINTIE CORPORATION
EXISTING US 287
℄
60'
10' SHLDR
12' LANE
16' MEDIAN
12' LANE
10' SHLDR
4%
2%
2%
4%
1:3
1:3
1.5" HMAC OVERLAY
EXISTING US 287
℄
8' SH
12' LANE
12' LANE
8' SH
4%
2%
2%
4%
1:3
1:3
1.5" HMAC OVERLAY

US 287
EXISTING TYPICAL SECTION
STA 856+00 TO 865+00
STA 911+00 TO 916+50
STA 1096+00 TO 1102+00

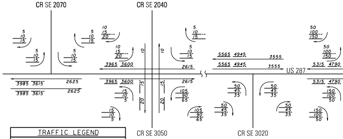
US 287
EXISTING TYPICAL SECTION
STA 845+70 TO STA 856+00
STA 964+00 TO STA 1096+00
STA 1102+00 TO STA 1130+00


470
460
450
440
430
420
410
400
390
380
370
360
350
340
330
MATCH LINE STA 1097+00
STA = 1103+90.00
EL = 413.50'
ex = -1.26'
K = 90
L = 300.00'
(+)1.4500 %
(-)1.9014 %
VPC 1102+40.00 EL. = 411.33'
EXIST W1(D)
EXIST W1(D)
EXIST W1(D)
EXIST G1(D)
VPT 1105+40.00 EL. = 410.65'
VPC 1109+50.00 EL. = 402.85'
VPT 1112+50.00 EL. = 401.14'
(-)1.9014 %
(+)0.7625 %
WS₁₀₀=399.78
US287 STA 1111+01.51
PROPOSED CULVERT 12
3' x 3' BC
℄=395.33' (U)
℄=392.02' (D)
EXIST
3'x2' BC
℄=392.89
STA = 1111+00.00
EL = 400.00'
ex = 1.00'
K = 113
L = 300.00'
STA 1115+86.69
LONESTAR RD/CORSICANA S
STA = 1115+00.00
EL = 403.05'
ex = -0.32'
K = 158
L = 200.00'
(+)0.7625 %
(-)0.5000 %
VPC 1114+00.00 EL. = 402.29'
VPT 1116+00.00 EL. = 402.55'
VPC 1120+10.00 EL. = 400.50'
VPT 1122+10.00 EL. = 400.50'
(-)0.5000 %
(+)0.5000 %
WS₁₀₀=399.57
US287 STA 1121+12.63
PROPOSED CULVERT 13
(3)- 4' x 3' BC
℄=395.34' (U)
℄=393.22' (D)
EXIST
3'x2' BC
℄=391.93
STA = 1121+10.00
EL = 400.00'
ex = 0.25'
K = 200
L = 200.00'
VPC 1125+65.00 EL. = 402.27'
VPT 1127+15.00 EL. = 403.96'
(+)0.5000 %
(+)1.7455 %
EXIST WW1(D)
STA = 1126+40.00
EL = 402.65'
ex = 0.23'
K = 120
L = 150.00'
403.50 PROP
404.7 EXIST
404.95
406.4
406.40
408.4
407.85
409.8
409.30
411.0
410.75
411.9
411.99
413.1
412.22
412.6
411.32
411.2
409.51
409.2
407.61
407.0
405.70
404.4
403.80
401.6
402.01
399.5
401.00
398.2
400.87
398.4
401.53
398.4
402.29
398.5
402.73
399.2
402.55
400.7
402.05
401.9
401.55
402.0
401.05
400.9
400.55
398.9
400.25
397.5
400.45
397.3
400.95
397.7
401.45
398.3
401.95
398.6
402.50
399.6
403.71
401.4
405.44
403.3
1100+00
1105+00
1110+00
1115+00
1120+00
1125+00


EXISTING US 287
8' SHLDR
11' LANE
10' LANE
10' LANE
11' LANE
12' RT+ACCEL
2%
2%
1:3
1:3
1.5" HMAC OVERLAY
US 287
EXISTING TYPICAL SECTION
STA 1135+00 TO 1140+50
EXISTING US 287
42'
11' LANE
10' LANE
10' LANE
11' LANE
2%
2%
1:3
1:3
1.5" HMAC OVERLAY
US 287
EXISTING TYPICAL SECTION
STA 1140+50 TO END
60
RUSSELL STOVER CANDIES INC
US287
STA 1134+05.00
OFF 49.00 LT
BEG TAPER
US287
STA 1135+05.00
OFF 37.00 LT
END TAPER
EXIST R.O.W.
N 33° 01' 50.02" W
1130+00
1135+00
EXIST R.O.W.
PROP R.O.W.
US287
STA 1133+90.00
OFF 37.00 RT
BEG TAPER
US287
STA 1134+90.00
OFF 49.00 RT
END TAPER
61
MORAN REAL ESTATE PROPERTIES LTD
CORSICANA CROSSING (NORTH)
63
TEXAS DEPT. OF PUBLIC SAFETY
66
McCOY REALTY CORP #59
70
HILLOCK FOODS
EXISTING CONTROL OF ACCESS
IH 45 FRONTAGE ROAD
1140+00
1145+00
CONST LIMIT
62
WAFFLE HOUSE INC
64
65
NTL & B PARTNERSHIP
US287
STA 1141+15.00
OFF 37.00 RT
BEG TAPER
US287
STA 1142+15.00
OFF 49.00 RT
END TAPER
BRYANT'S WAY
67
CORSICANA WATER & ADVENTURE PARK LP
1142+97.32
BORDER ST
69
1145+48.25
CONST LIMIT
71
S LALANI INC
DENNYS DR
72
MJY INC
68
SPLASHICANA ALTITUDE LLC
KUMAR RAKESH & PREMILA REVOCABLE FAMILY TRUST
300'
400'
600'
EXISTING CONTROL OF ACCESS
HAMILTON AVE
IH 45 RAMP
END US 287 PROJECT
STA 1150+13.26
CSJ: 0122-01-033
1150+00
N 33° 01' 50.02" W
1155+00
POT 1160+25.73
1160+00
US 287
420
CONSTRUCTION LIMIT
MATCH EXISTING
12' PROPOSED LANE
8' PROPOSED SHOULDER
BEGIN TAPER
IH 45 RAMP
IH 45 MAINLANES
IH 45 RAMP
SE 0020 RD
END TAPER
TIE TO EXISTING
ROADWAY
N

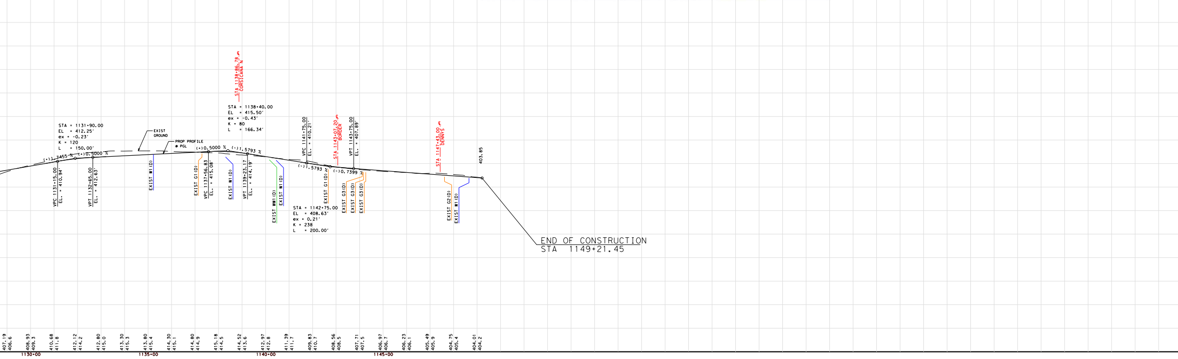
US 287 SUPERELEVATION TABLE

	BEGIN TRANSITION		BEGIN FULL SUPER		END FULL SUPER		END TRANSITION	
	STA	E	STA	E	STA	E	STA	E
US 287								
LEFT LANE	1111+39.00	-2.00%	1113+29.00	+2.10%	1122+73.00	+2.10%	1124+63.00	-2.00%
RIGHT LANE	1113+18.66	-2.00%	1113+29.00	-2.10%	1122+73.00	-2.10%	1122+82.65	-2.00%


CR SE 2070
CR SE 2040
CR SE 3050
CR SE 3020
US 287
5 10 15
10 15 20
3985 3615 2625
3965 3600 2615
5565 4945 3555
5315 4790
105 90 65
50 45 35
50 100 150
150 100 50

TRAFFIC LEGEND

1000	- 2022 ADT
1000	- 2042 ADT
1000	- 2052 ADT
———	EXISTING CONDITION
—·—	PROPOSED CONDITION


STA = 1131+90.00
EL = 412.25'
ex = -0.23'
K = 120
L = 150.00'
(+)1.7455 %
(+)0.5000 %
VPC 1131+15.00
EL. = 410.94'
VPT 1132+65.00
EL. = 412.63'
EXIST GROUND
PROP PROFILE
● PGL
EXIST W1(D)
STA 1138+86.78
CORSICANA N
STA = 1138+40.00
EL = 415.50'
ex = -0.43'
K = 80
L = 166.34'
(+)0.5000 %
(-)1.5793 %
EXIST G1(D)
VPC 1137+56.83
EL. = 415.08'
EXIST W1(D)
VPT 1139+23.17
EL. = 414.19'
EXIST WW1(D)
EXIST W1(D)
VPC 1141+75.00
EL. = 410.21'
(-)1.5793 %
STA = 1142+75.00
EL = 408.63'
ex = 0.21'
K = 238
L = 200.00'
EXIST G1(D)
STA 1143+07.20
BORDER
VPT 1143+75.00
EL. = 407.89'
(-)0.7399 %
EXIST G3(D)
EXIST G3(D)
EXIST G3(D)
STA 1147+43.00
DENNYS
EXIST G2(D)
EXIST W1(D)
403.85
END OF CONSTRUCTION
STA 1149+21.45
407.19 406.6
408.93 409.3
410.68 411.8
412.12 414.2
412.80 415.0
413.30 415.3
413.80 415.4
414.30 415.1
414.80 414.9
415.18 414.5
414.52 413.6
412.97 412.8
411.39 411.7
409.83 410.7
408.56 408.5
407.71 407.5
406.97 406.7
406.23 406.1
405.49 405.9
404.75 405.4
404.01 404.2
1130+00
1135+00
1140+00
1145+00

NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT PGL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB (UNLESS NOTED OTHERWISE).
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS 48349C0380D, 48349C0400D, 48349C0425D (JUNE 5 2012).
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM NAVARRO COUNTY APPRAISAL DISTRICT (MAY 2019).
6. EXISTING CULVERT LOCATIONS, SIZE AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN INFORMATIONAL PURPOSE ONLY.
7. CURB ON THE FRONTAGE ROADS AND CROSS STREETS ARE TY II (UNLESS OTHERWISE NOTED).
8. ADA RAMPS ARE NOT DEPICTED IN THE PLAN.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
10. CITY AND TOWN LIMITS ARE SHOWN FOR DISPLAY PURPOSES ONLY AND ARE NOT VERIFIED BY SURVEY AT THIS TIME.
11. CONVENTIONAL ROADWAY SIGNAGES (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.

PROPERTY OWNER'S INFO

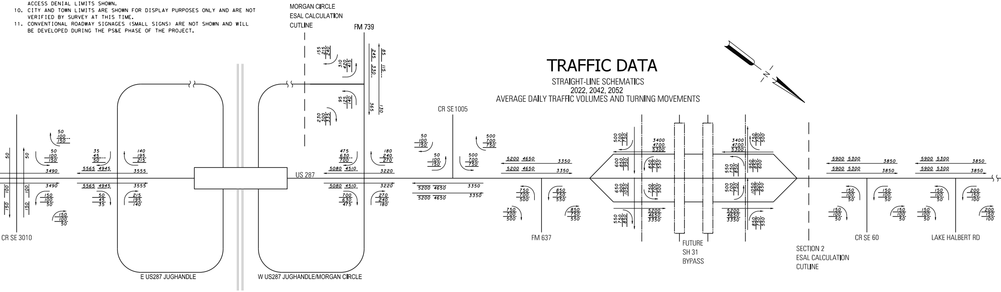
PARCEL #	OWNER'S NAME	BUSINESS NAME
43	CORSICANA HOLDINGS LLC	CORE RUBBER
44	GUARDIAN INDUSTRIES CORP	
45	BCM INNOVATIVE THERAPIES INC	
46	KLOECKER FRITZ SR	
47	STRODER BETSY HAYNIE	
48	STRODER BETSY HAYNIE	
49	KING JANICE	TEXAS LIFESTYLE FURNITURE OUTLET
50	WYNKOOP CHRISTOPHER & JOY	
51	BAUER GERALD J TRUST	
52	C-VIP PROPERTIES LLC	
53	GINTIE CORPORATION	
54	GINTIE CORPORATION	
55	TENNECO PACKAGING-DCD WAREHSE-PREGIS CORPORATION	PREGIS CORPORATION/ DOLLAR GENERAL
56	BAUER GERALD J TRUST	
57	COMMUNITY NATIONAL BANK & TRUST	

PROPERTY OWNER'S INFO

PARCEL #	OWNER'S NAME	BUSINESS NAME
58	RUSSELL STOVER CANDIES INC	
59	MOTHER FRANCES	
60	RUSSELL STOVER CANDIES INC	RUSSELL STOVER CANDIES
61	MORAN REAL ESTATE PROPERTIES LTD	
62	WAFFLE HOUSE INC	
63	TEXAS DEPT OF PUBLIC SAFETY	
64	WAFFLE HOUSE INC	
65	NTL & B PARTNERSHIP	SONIC
66	McCOY REALTY CORP #59	McCOY'S BUILDING SUPPLY
67	CORSICANA WATER & ADVENTURE PARK LP	
68	SPLASHICANA ALTITUDE LLC	
69	KUMAR RAKESH & PREMILA REVOCABLE FAMILY TRUST	TACO BELL
70	HILLOCK FOODS	WENDY'S
71	S LALANI INC	SHELL GAS
72	MJY INC	DENNY'S

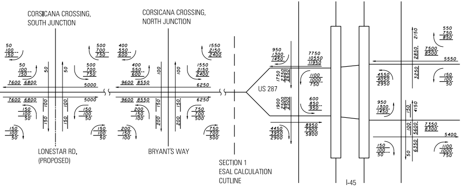
TRAFFIC DATA

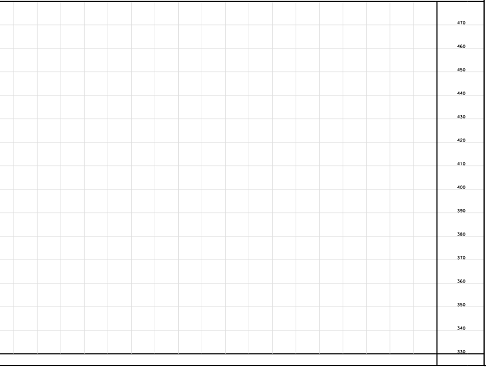
STRAIGHT-LINE SCHEMATICS
2022, 2042, 2052
AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS


MORGAN CIRCLE
ESAL CALCULATION
CUTLINE
FM 739
US 287
CR SE 1005
N
CR SE 3010
E US287 JUGHANDLE
W US287 JUGHANDLE/MORGAN CIRCLE
FM 637
FUTURE
SH 31
BYPASS
SECTION 2
ESAL CALCULATION
CUTLINE
CR SE 60
LAKE HALBERT RD
3490
5565 4945
3555
5080 4510
3220
5200 4650
3350
3400
4700
5300
5900 5300
3850

US 287, DESIGN SPEED 45 MPH

CURVE NAME	P.I.			DELTA	TANGENT	CURVE LENGTH	RADIUS	P.C. STATION	P.T. STATION	BEARING (BACK)	BEARING (AHEAD)
	STATION	NORTHING	EASTING								
US 287 MAINLANES											
US287_30	1118+02.61	6,713,684.64	2,606,851.40	12° 08′ 20.41″ RT	483.81′	963.99′	4,550.00′	1113+18.81	1122+82.80	N 45° 10′ 10.43″ W	N 33° 01′ 50.02″ W
US287_33	1144+22.80	6,715,884.39	2,605,421.21	1° 49′ 36.60″ RT	125.48′	250.93′	7,870.00′	1142+97.32	1145+48.10	N 33° 01′ 50.02″ W	N 31° 12′ 13.43″ W
US287_34	1146+73.72	6,716,099.03	2,605,291.19	1° 49′ 36.60″ LT	125.48′	250.93′	7,870.00′	1145+48.25	1147+99.18	N 31° 12′ 13.43″ W	N 33° 01′ 50.02″ W


CORSICANA CROSSING, SOUTH JUNCTION
CORSICANA CROSSING, NORTH JUNCTION
LONESTAR RD. (PROPOSED)
BRYANT'S WAY
SECTION 1 ESAL CALCULATION CUTLINE
US 287
I-45
50 100 150
50 100 150
500 700 750
500 700 750
50
50
7600 6800
5000
7600 6800
5000
100
100
150
150
150 100 50
150 100 50
150 100 50
150 100 50
400 550 600
400 550 600
1550 2150 2400
1550 2150 2400
100
100
9600 8550
6250
9600 8550
6250
150
150
200
200
200 150 100
200 150 100
750 700 500
750 700 500
950 1300 1450
7750 10550 11950
1750 2350 2650
1100 1000 750
1900 2500 2500
600 850 950
4450 3950 2900
8950 7900 5800
2150
2850
550 750 850
7500 8500
5550
3250
4550 4050 2950
150 100 50
950 1300 1450
150
4150
100
5600
7350 8300
5400
6350
50
150 100 50
1100 1000 750



TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT

Mohamed (Mo) K. Bur, P.E., DISTRICT ENGINEER

US 287 WIDENING
DESIGN SCHEMATIC

NAVARRO COUNTY, TEXAS

PROJECT DESCRIPTION: RECONSTRUCT AND WIDEN TO FOUR LANES FROM IH 45 TO COUNTY ROAD 2040

DATE: MAY 28, 2019

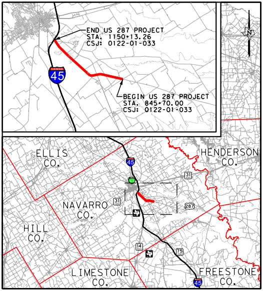
CSJ: 0122-01-033 IH 45 TO COUNTY ROAD 2040 (5.77 MILES)
TOTAL PROJECT LENGTH 5.77 MI (30,443.26 FT)

INDEX OF SHEETS

ROLL 1 OF 3:	PLAN & PROFILE VIEW STA. 845+70.00 TO STA. 962+00.00
ROLL 2 OF 3:	PLAN & PROFILE VIEW STA. 962+00.00 TO STA. 1097+00.00
ROLL 3 OF 3:	PLAN & PROFILE VIEW STA. 1097+00.00 TO STA. 1150+13.26

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 287 STA. 845+70.00 TO STA. 859+00.00 (TRANSITION FROM 70 MPH TO 45 MPH)	70-45 MPH	RURAL MINOR ARTERIAL
US 287 STA. 859+00.00 TO STA. 1150+13.26	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 637 (CAMP WANICA RD.) FM 739	30 MPH	MAJOR COLLECTOR
W_US287 JUGHANDLE/MORGAN CIR. E_US287 JUGHANDLE	25 MPH	U-TURN (JUGHANDLES)

ROLL 3 OF 3


END US 287 PROJECT
STA. 1150+13.26
CSJ: 0122-01-033
BEGIN US 287 PROJECT
STA. 845+70.00
CSJ: 0122-01-033
45
ELLIS CO.
HENDERSON CO.
NAVARRO CO.
HILL CO.
LIMESTONE CO.
FREESTONE CO.
31
287
14
75

LOCATION MAP
N.T.S.

APPROVED
JUNE 29, 2018

NAVARRO COUNTY, TEXAS

TEXAS COUNTY MAP
N.T.S.

0 100 200 300 400
HORIZONTAL SCALE

0 10 20 30 40
VERTICAL SCALE

PRELIMINARY
FOR INTERIM REVIEW ONLY
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NAME	P.E. NO.	DATE
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