TEXAS DEPARTMENT OF TRANSPORTATION
ABILENE DISTRICT

TAYLOR COUNTY
DESIGN SCHEMATIC

GLENN ALLBRITTON, P.E.
DISTRICT ENGINEER

FM 89
CSJ: 0699-01-051
FROM: BETTES LANE
TO: REBECCA LANE
LENGTH OF PROJECT: 0.671 MILE

FM 89
CSJ: 0699-01-052
FROM: REBECCA LANE
TO: NORTH OF US 83
LENGTH OF PROJECT: 0.588 MILE

NET LENGTH OF PROJECT: 1.259 MILES

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL
DESIGN SPEED = 45 MPH

FM 89 IS ON TXDOT BICYCLE TOURISM EXAMPLE NETWORK

COUNTY: TAYLOR
DATE: 4/22/2021

DESIGN SCHEMATIC FOR FM 89

ROLL 2 OF 3

CONSOR

Texas Department of Transportation

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR-2045 PROJECTIONS APPROVED BY TXDOT TPAP DIVISION (MAY 2019 TPAP)	FM 89 FROM CHIMNEY ROCK ROAD TO REBECCA LANE	FM 89 FROM REBECCA LANE TO US 83
AVERAGE DAILY TRAFFIC - 2019(EXIST)	26,000(EXIS.AND)	25,100(EXIS.AND)
DIRECTIONAL DISTRIBUTION (%)	60-40	60-40
PERCENT TRUCKS OF DHV	3.0	3.0
K FACTOR	14.1	14.1

INDEX OF ROLLS

ROLL 1 : FM 89 PLAN, PROFILE AND TYPICAL SECTIONS END PROJECT TO STA 148+60

ROLL 2 : FM 89 PLAN, PROFILE AND TYPICAL SECTIONS STA 148+60 TO REBECCA LN

ROLL 3 : REBECCA LN PLAN, PROFILE AND TYPICAL SECTIONS STA 2+50 TO STA 10+00.00

JANICE K. KRUSE
P.E.
LICENSE
NO. 95545
TEXAS

PREPARED BY:
CONSOR ENGINEERS, LLC
TBPE REGISTRATION NO. F-12040

JANICE K. KRUSE P.E.
LICENSE NO. 95545

GENERAL NOTES

1. EXISTING TOPOGRAPHY PROVIDED BY LINA T. RANEY & ASSOCIATES, JANUARY 22, 2019.
2. EXISTING RIGHT-OF-WAY PROVIDED BY LINA T. RANEY & ASSOCIATES, JANUARY 22, 2019.
3. EXISTING RIGHT-OF-WAY SHOWN WERE OBTAINED FROM SURVEY PROVIDED BY LINA T. RANEY & ASSOCIATES, JULY 3, 2019.
4. EXISTING UTILITIES SHOWN WERE OBTAINED FROM SUE SURVEY, BY LINA T. RANEY & ASSOCIATES, JUNE 04, 2020.

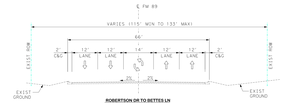
SCALE IN FEET

LEGEND

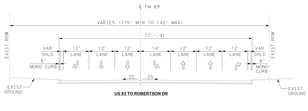
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED MEDIAN
- PROPOSED CROSS STREET IMPROVEMENT
- EXISTING DRIVEWAY TO BE REMOVED
- PROPOSED CURB WALL
- PROPOSED NOISE WALL
- PROPOSED CENTERLINE (FLAT BOTTOM DITCH)
- PROPOSED DRAINAGE EASEMENT
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PARCEL BOUNDARY (APPROX.)
- PROPOSED TRAFFIC SIGNAL

TRAFFIC DIAGRAM
FM 89 TRAFFIC PROJECTIONS
FROM REBECCA LN TO BETTES LN

EXISTING TYPICAL SECTIONS

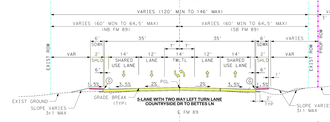


ROBERTSON DR TO BETTES LN

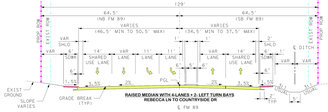


US 83 TO ROBERTSON DR

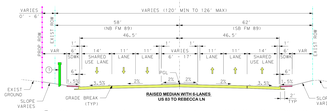
PROPOSED TYPICAL SECTIONS



SLANE WITH TWO WAY LEFT TURN LANE
COUNTRYSIDE DR TO BETTES LN



RAISED MEDIAN WITH 4-LANES + 2-LEFT TURN BAYS
REBECCA LN TO COUNTRYSIDE DR

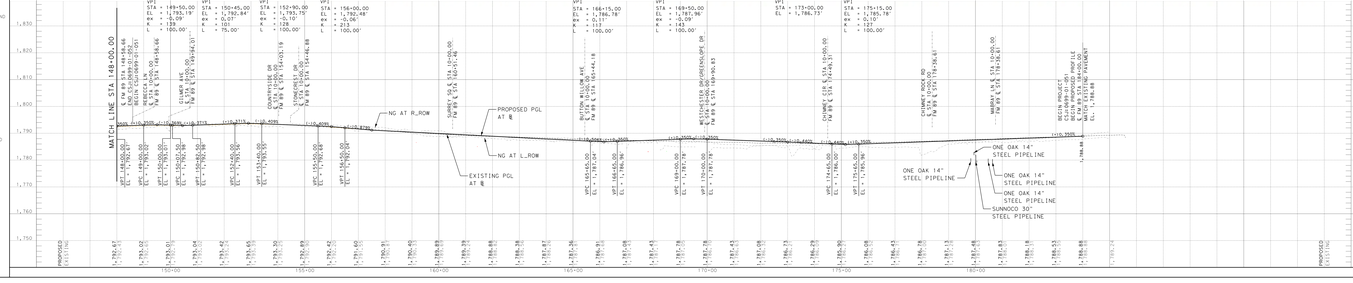


RAISED MEDIAN WITH 6-LANES
US 83 TO REBECCA LN

① PROPOSED 14-FT HIGH NOISE WALL NORTH OF ROBERTSON DR, AND PROPOSED 12-FT HIGH NOISE WALLS SOUTH OF ROBERTSON DR TO SOUTH OF ARROWHEAD DR.

FM 89 HORIZONTAL ALIGNMENT CURVE DATA

CURVE PROP_FM89-2	CURVE PROP_FM89-3	CURVE PROP_FM89-4	CURVE PROP_FM89-5
PI STATION = 149+70.39	PI STATION = 154+52.93	PI STATION = 160+33.76	PI STATION = 173+45.20
DELTA = 33° 11' 49.10" (LT)	DELTA = 3° 53' 03.31" (RT)	DELTA = 17° 18' 48.51" (RT)	DELTA = 11° 34' 40.91" (RT)
DEGREE OF CURVE = 0° 40' 00.00"	DEGREE OF CURVE = 0° 43' 00.00"	DEGREE OF CURVE = 0° 43' 00.00"	DEGREE OF CURVE = 0° 43' 00.00"
LENGTH = 580.4243	LENGTH = 194.2121	LENGTH = 565.6757	LENGTH = 578.9988
RADIUS = 1,432.3945	RADIUS = 1,644.7890	RADIUS = 1,644.7890	RADIUS = 1,644.7890
PT STATION = 152+51.12	PT STATION = 156+46.34	PT STATION = 166+34.43	PT STATION = 179+24.19



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