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 1 OF 3

CONSOR

Texas Department of Transportation

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR-2045 PROJECTIONS (APPROVED BY TXDOT TPAP DIVISION ON 03/05/2021)	FM 89 FROM CHIMNEY ROCK ROAD TO REBECCA LANE	FM 89 FROM REBECCA LANE TO US 83
AVERAGE DAILY TRAFFIC - 2019(EXIST)	26,000(VOL.0/W)	25,100(VOL.0/E)
DIRECTIONAL DISTRIBUTION (%)	60-40	60-40
PERCENT TRUCKS OF DHV	3.3	3.8
K FACTOR	14.1	14.1

INDEX OF ROLL'S

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

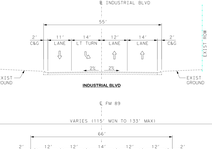
ROLL 2 : FM 89 PLAN, PROFILE AND TYPICAL SECTIONS
STA 148+60 TO END PROJECT

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

JANICE K. KRUSE P.E. 65045 STATE OF TEXAS

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

JANICE K. KRUSE P.E.
LICENSE NO. 65045



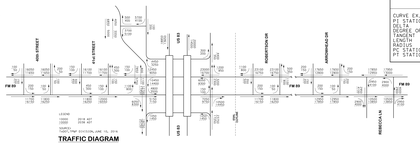
GENERAL NOTES

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

SCALE IN FEET

LEGEND

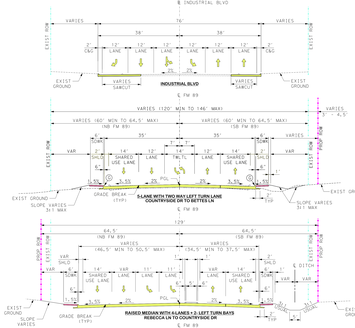
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED MEDIAN
- PROPOSED CROSS STREET IMPROVEMENT
- EXISTING DRIVEWAY TO BE REMOVED
- PROPOSED CURB WALL
- PROPOSED NOISE WALL
- PROPOSED CENTERLINE (FLAT BOTTOM DITCH)
- PROPOSED DRAINAGE EASEMENT
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PARCEL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



TRAFFIC DIAGRAM
FM 89 TRAFFIC PROJECTIONS
FROM US 83 (WINTERS FRWY) TO REBECCA LN

EXISTING TYPICAL SECTIONS

PROPOSED TYPICAL SECTIONS



INDUSTRIAL BLVD HORIZONTAL ALIGNMENT CURVE DATA

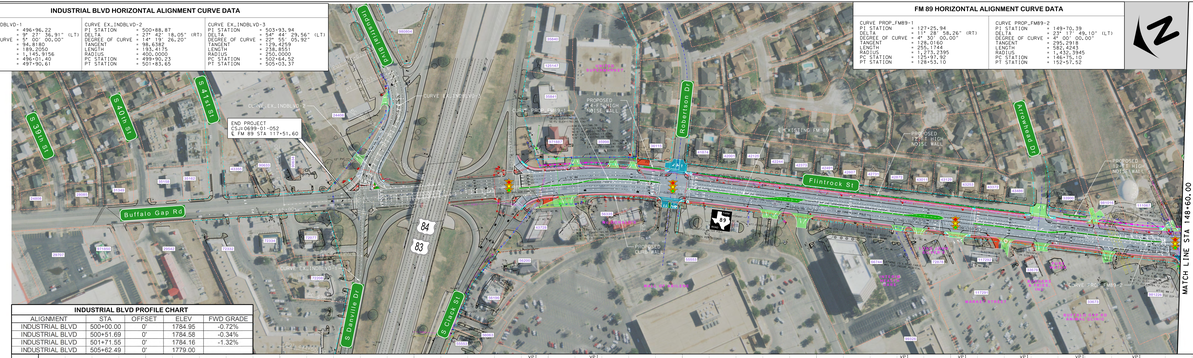
CURVE EX_INDBLVD-1
DELTA STATION = 496+96.22
DELTA = 9° 22' 50.91" (LT)
DEGREE OF CURVE = 5° 00' 00.00"
LENGTH = 187.50
RADIUS = 1,145.9156
PT STATION = 498+84.72
PT STATION = 497+85.67

CURVE EX_INDBLVD-2
DELTA STATION = 500+88.87
DELTA = 28° 18' 28.05" (RT)
DEGREE OF CURVE = 14° 19' 26.22"
LENGTH = 197.58
RADIUS = 400.0000
PT STATION = 502+86.45
PT STATION = 501+63.63

CURVE EX_INDBLVD-3
DELTA STATION = 503+93.94
DELTA = 54° 44' 29.56" (LT)
DEGREE OF CURVE = 23° 55' 05.92"
LENGTH = 238.83
RADIUS = 250.0000
PT STATION = 505+32.77
PT STATION = 505+03.37

INDUSTRIAL BLVD PROFILE CHART

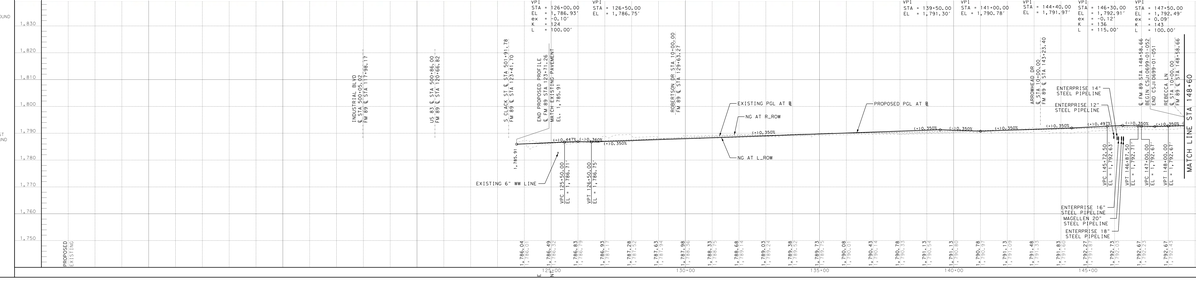
ALIGNMENT	STA	OFFSET	ELEV	FWD GRADE
INDUSTRIAL BLVD	500+00.00	0'	1784.95	-0.72%
INDUSTRIAL BLVD	500+51.69	0'	1784.58	-0.34%
INDUSTRIAL BLVD	501+71.55	0'	1784.16	-1.32%
INDUSTRIAL BLVD	505+62.49	0'	1779.00	



FM 89 HORIZONTAL ALIGNMENT CURVE DATA

CURVE PROF_FMB9-1
PI STATION = 127+25.94
DELTA = 17° 28' 58.26" (RT)
DEGREE OF CURVE = 5° 00' 00.00"
LENGTH = 478.17
RADIUS = 1,145.9156
PT STATION = 132+03.94
PT STATION = 128+51.70

CURVE PROF_FMB9-2
PI STATION = 149+10.39
DELTA = 27° 17' 29.10" (LT)
DEGREE OF CURVE = 5° 00' 00.00"
LENGTH = 290.09
RADIUS = 1,431.3945
PT STATION = 152+05.48
PT STATION = 150+15.43



PROPERTY OWNERSHIP TABLE
ALL OF THE FOLLOWING PARCELS ARE LOCATED IN TAYLOR COUNTY, TEXAS
FM 89 - REFORMATTED
0699-01-051
0699-01-052
0699-01-053
0699-01-054
0699-01-055
0699-01-056
0699-01-057
0699-01-058
0699-01-059
0699-01-060
0699-01-061
0699-01-062
0699-01-063