TEXAS DEPARTMENT OF TRANSPORTATION
ABILENE DISTRICT

TAYLOR COUNTY
DESIGN SCHEMATIC
CARL L. JOHNSON, P.E.
DISTRICT ENGINEER

FM 89
CSJ: 0699-01-051
FROM: NEAR CHIMNEY ROCK ROAD
TO: REBECCA LANE
LENGTH OF PROJECT: 0.67 MILE

FM 89
CSJ: 0699-01-052
FROM: REBECCA LANE
TO: US 83
LENGTH OF PROJECT: 0.47 MILE

NET LENGTH OF PROJECT: 1.14 MILES

FUNCTIONAL CLASSIFICATION:
ARTERIAL
DESIGN SPEED = 45 MPH

COUNTY: TAYLOR
DATE: SEPTEMBER 2017

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2036 PROJECTIONS FROM TRANSPORTATION PLANNING DIVISION DATED JUNE 15, 2016	FM 89 FROM CHIMNEY ROCK ROAD TO REBECCA LANE	FM 89 FROM REBECCA LANE TO US 83
AVERAGE DAILY TRAFFIC - 2016(2036)	26,000(35,900)	35,100(48,400)
DIRECTIONAL DISTRIBUTION (%)	60-40	60-40
PERCENT TRUCKS OF DHV	3.3	2.8
K FACTOR	14.1	14.1

PROJECT LOCATION
TAYLOR COUNTY
ABILENE DISTRICT

INDEX OF ROLLS

ROLL 1 : PLAN, PROFILE AND TYPICAL SECTIONS
BEGIN PROJECT TO STA 148+60

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

SCHEMATIC
SEPTEMBER 18, 2017

PREPARED BY:
CIVIL ASSOCIATES, INC
TBPE REGISTRATION NO. F-000981

NASER ABUSAAD, P.E., ACP
LICENSE NO. 93200

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL.
IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DESIGN SCHEMATIC FOR FM 89

ROLL 1 OF 2

Texas Department of Transportation

GENERAL NOTES

1. EXISTING TOPOGRAPHY PROVIDED BY TxDOT, JANUARY 12, 2016.
2. AERIAL IMAGES SHOWN WERE OBTAINED FROM PHOTOGRAPHY FLOWN ON 08-22-15 AND PROVIDED BY TxDOT, FEBRUARY 9, 2016.
3. EXISTING PARCEL BOUNDARIES SHOWN ARE APPROXIMATE AND SUBJECT TO VERIFICATION AND CHANGE.
4. EXISTING RIGHT-OF-WAY SHOWN WERE OBTAINED FROM SURVEY PROVIDED BY LINA T. RAMBY & ASSOCIATES, JUNE 9, 2014.
5. EXISTING UTILITIES SHOWN WERE OBTAINED FROM SUE SURVEY, BY LINA T. RAMBY & ASSOCIATES, JUNE 29, 2016.

SCALE IN FEET

LEGEND

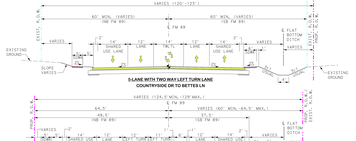
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED MEDIAN
- PROPOSED CROSS STREET IMPROVEMENT
- EXISTING DRIVEWAY TO BE REMOVED
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- PROPOSED CENTERLINE (FLAT BOTTOM DITCH)
- PROPOSED DRAINAGE EASEMENT
- PROPOSED R.O.W.
- EXISTING R.O.W.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

HORIZONTAL ALIGNMENT CURVE DATA

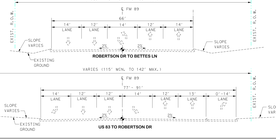
CURVE EXTMB9-1		CURVE EXTMB9-2		CURVE EXTMB9-3	
CU STATION	= 115+57.58	CU STATION	= 127+15.12	CU STATION	= 149+64.07
DELTA	= 2° 58' 04.80" (LT)	DELTA	= 23° 28' 58.26" (RT)	DELTA	= 23° 17' 49.10" (LT)
DEGREE OF CURVE	= 2° 30' 00.00"	DEGREE OF CURVE	= 4° 30' 00.00"	DEGREE OF CURVE	= 8° 00' 00.00"
TANGENT	= 59.73	TANGENT	= 263.17	TANGENT	= 296.24
LENGTH	= 114.57	LENGTH	= 512.13	LENGTH	= 582.42
RADIUS	= 1,815.72	RADIUS	= 1,273.24	RADIUS	= 1,432.39
PC STATION	= 114+97.85	PC STATION	= 125+52.95	PC STATION	= 146+67.83
PT STATION	= 116+69.85	PT STATION	= 129+65.08	PT STATION	= 152+47.20

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

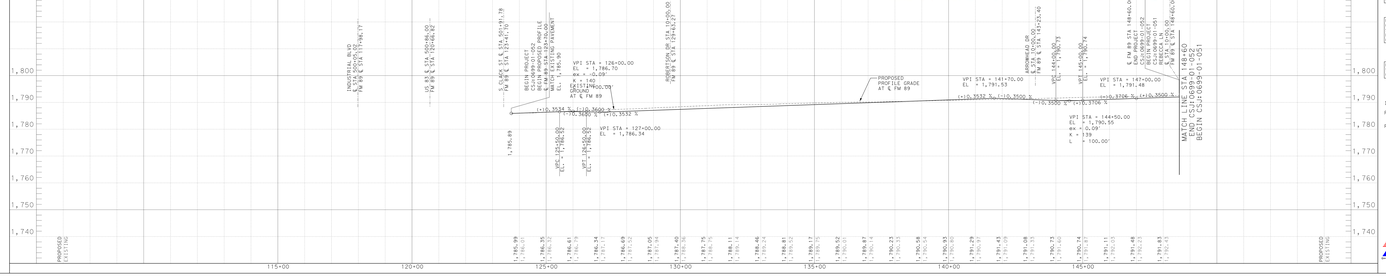
PROPOSED TYPICAL SECTIONS



EXISTING TYPICAL SECTIONS



(1) PROPOSED 10-FT HIGH NOISE WALLS FROM NORTH OF ROBERTSON DR TO SOUTH OF ARROWHEAD DR PENDING FURTHER REVIEW AND APPROVAL



PROPERTY INVENTORY TABLE	
Total Number of Properties = 1	
Total Number of Properties Affected by Right of Way = 1	
PARCEL NO.	OWNER
R-1	BETTES LANE
R-2	BETTES LANE
R-3	BUTTALO LAY FAMILY PROPERTIES LLC
R-4	BUTTALO LAY FAMILY PROPERTIES LLC
R-5	BUTTALO LAY FAMILY PROPERTIES LLC
R-6	BUTTALO LAY FAMILY PROPERTIES LLC
R-7	BUTTALO LAY FAMILY PROPERTIES LLC
R-8	BUTTALO LAY FAMILY PROPERTIES LLC
R-9	BUTTALO LAY FAMILY PROPERTIES LLC
R-10	CHAPPELL, JAMES
R-11	CHAPPELL, JAMES
R-12	COUNTRYWIDE, INC.
R-13	COUNTRYWIDE, INC.
R-14	COUNTRYWIDE, INC.
R-15	COUNTRYWIDE, INC.
R-16	COUNTRYWIDE, INC.
R-17	EL PALMAR, LLC
R-18	EL PALMAR, LLC
R-19	EL PALMAR, LLC
R-20	FIRST FINANCIAL BANK NA
R-21	FIRST FINANCIAL BANK NA
R-22	FIRST FINANCIAL BANK NA
R-23	FIRST FINANCIAL BANK NA
R-24	GUTIERREZ, ANTONIO
R-25	GUTIERREZ, ANTONIO
R-26	GUTIERREZ, ANTONIO
R-27	HUTCHINS, ROBERT
R-28	HUTCHINS, ROBERT
R-29	HUTCHINS, ROBERT
R-30	HUTCHINS, ROBERT
R-31	HUTCHINS, ROBERT
R-32	HUTCHINS, ROBERT