100% SCHEMATIC

SHEET 1 OF 6

Texas Department of Transportation

STATE OF TEXAS

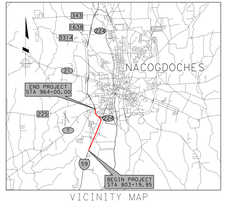
PRELIMINARY DESIGN SCHEMATIC
FOR:
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

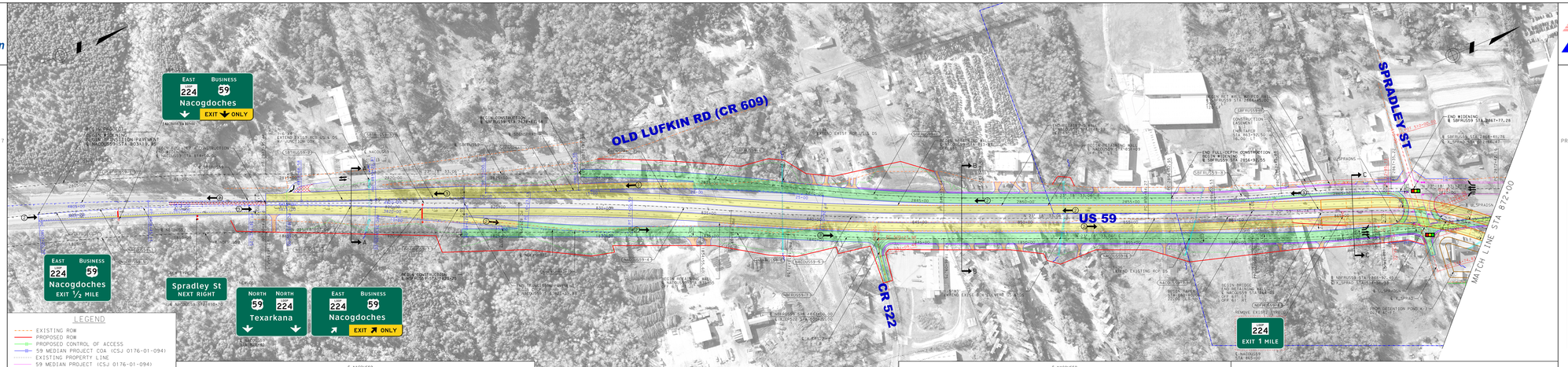
NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

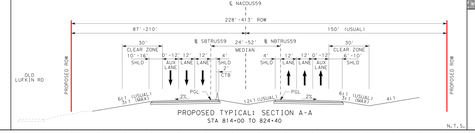
ROBERT RAMON, P.E. 3/31/16 DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

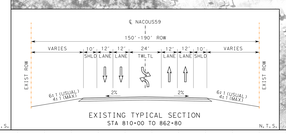


LEGEND

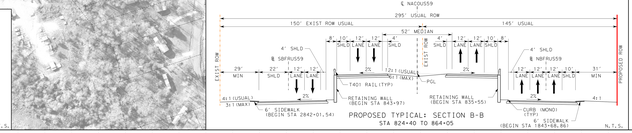
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CONTROL OF ACCESS
- 59 MEDIAN PROJECT COA (CSJ 0176-01-094)
- EXISTING PROPERTY LINE
- 59 MEDIAN PROJECT (CSJ 0176-01-094)
- PROPOSED BRIDGE
- PROPOSED MAINLANES & RAMPS
- PROPOSED FRONTAGE ROADS & CROSS STREETS
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PAVEMENT TO BE REMOVED
- NUMBER OF LANES
- LIMITS OF CONSTRUCTION
- PROPOSED RETAINING WALL
- POTENTIAL DETENTION POND AREA
- CONSTRUCTION EASEMENT
- PROPOSED TRAFFIC SIGNAL
- NACOGDOCHES CITY LIMITS



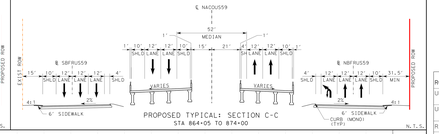
PROPOSED TYPICAL: SECTION A-A
STA 814+00 TO 824+40



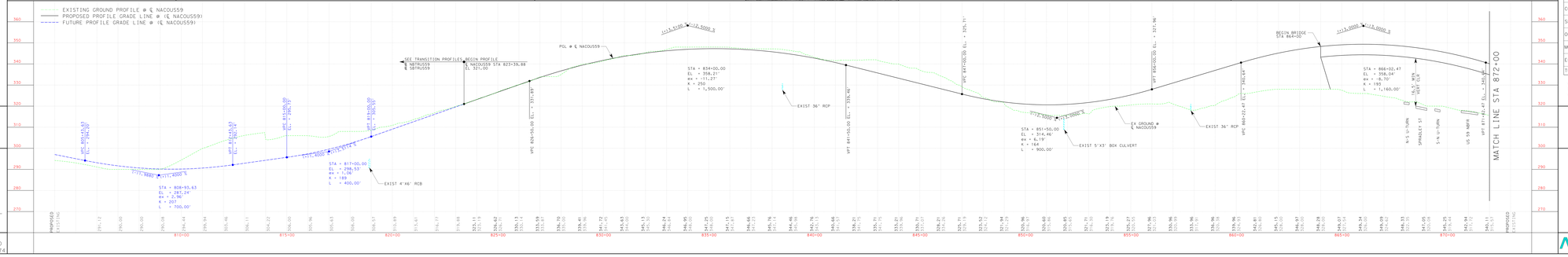
EXISTING TYPICAL SECTION
STA 810+00 TO 862+80



PROPOSED TYPICAL: SECTION B-B
STA 824+40 TO 864+05



PROPOSED TYPICAL: SECTION C-C
STA 864+05 TO 874+00



Texas Department of Transportation

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR:
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.

VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

ROBERT RAMON, P.E. 3/31/16 DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

SHEET 1 OF 6

SHEET 2 OF 6 100% SCHEMATIC

Texas Department of Transportation

STATE OF TEXAS

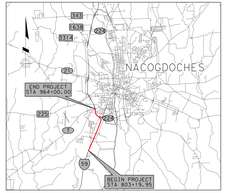
PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

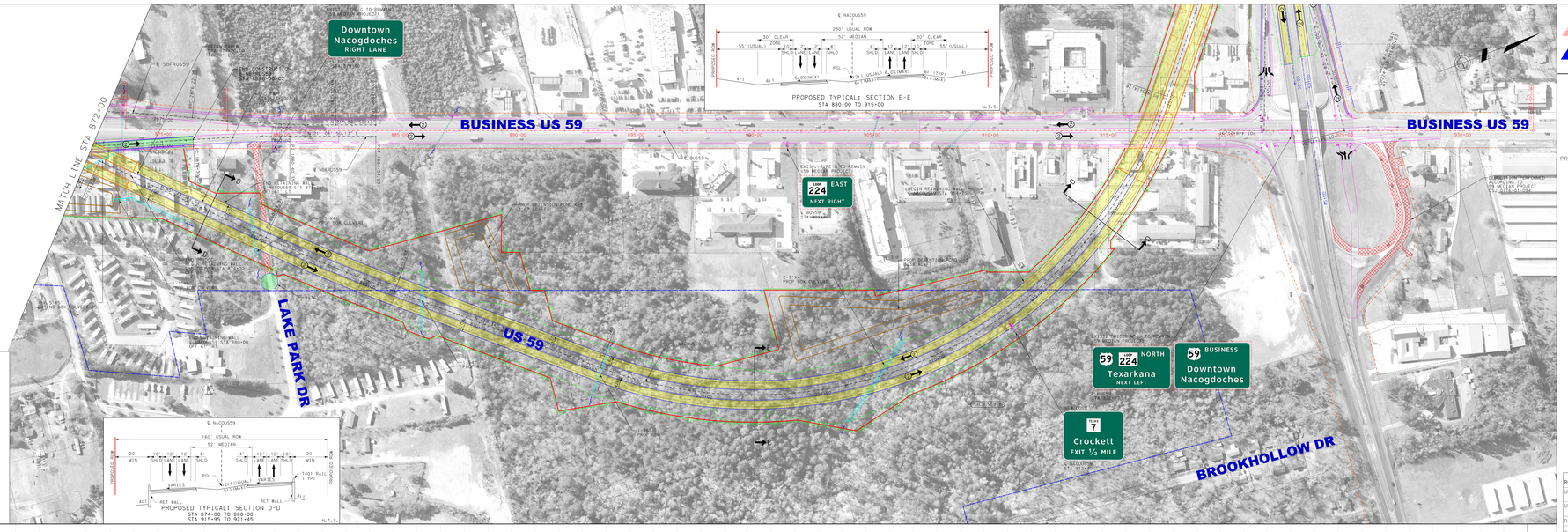
STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

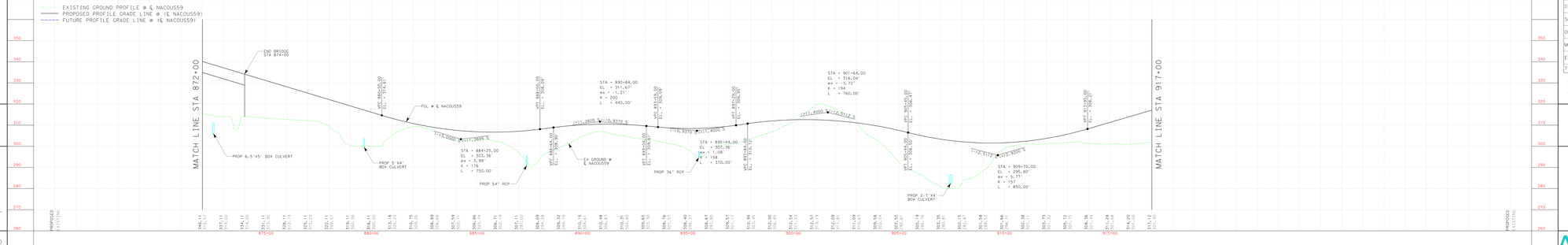
ROBERT RAMON, P.E. DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

LEGEND

- EXISTING ROW
- PROPOSED ROW
- PROPOSED CONTROL OF ACCESS
- 59 MEDIAN PROJECT COA (CSJ 0176-01-094)
- EXISTING PROPERTY LINE
- 59 MEDIAN PROJECT (CSJ 0176-01-094)
- PROPOSED BRIDGE
- PROPOSED MAINLANES & RAMPS
- PROPOSED FRONTAGE ROADS & CROSS STREETS
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PAVEMENT TO BE REMOVED
- NUMBER OF LANES
- LIMITS OF CONSTRUCTION
- PROPOSED RETAINING WALL
- POTENTIAL DETENTION POND AREA
- CONSTRUCTION EASEMENT
- PROPOSED TRAFFIC SIGNAL
- NACOGDOCHES CITY LIMITS





Texas Department of Transportation

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.

VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

ROBERT RAMON, P.E. 3/31/16 DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

SHEET 2 OF 6

100% SCHEMATIC

SHEET 3 OF 6

Texas Department of Transportation

STATE OF TEXAS

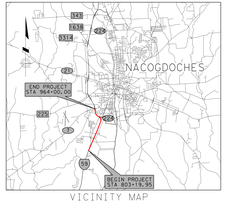
PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

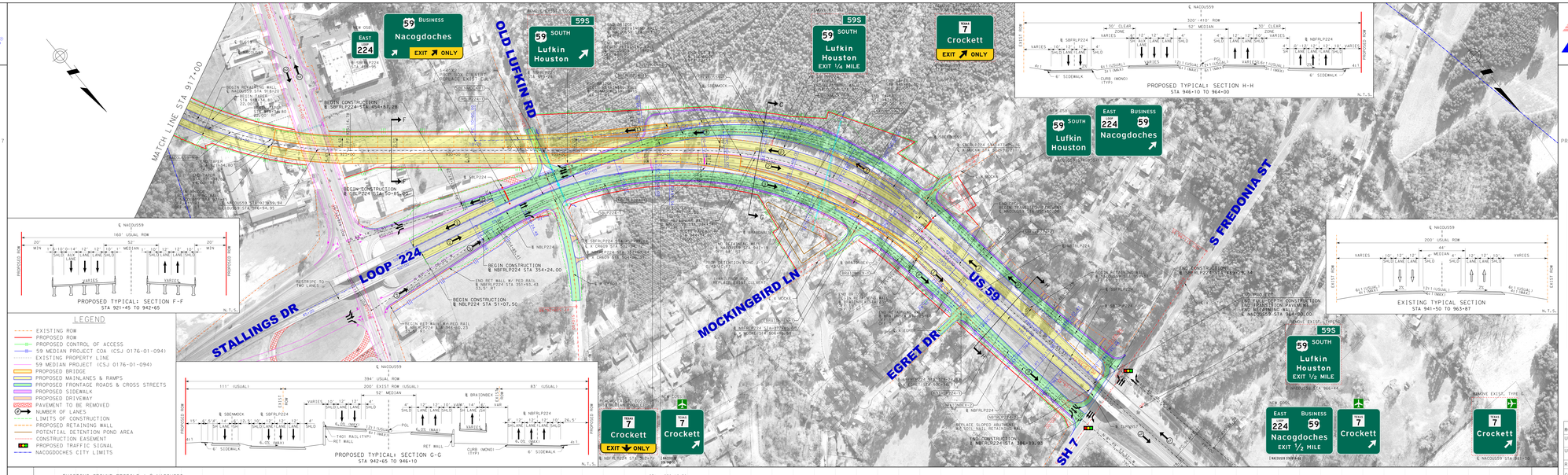
NOTES: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

ROBERT RAMON, P.E. DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474



PROPOSED TYPICAL: SECTION H-H
STA 946+10 TO 964+00

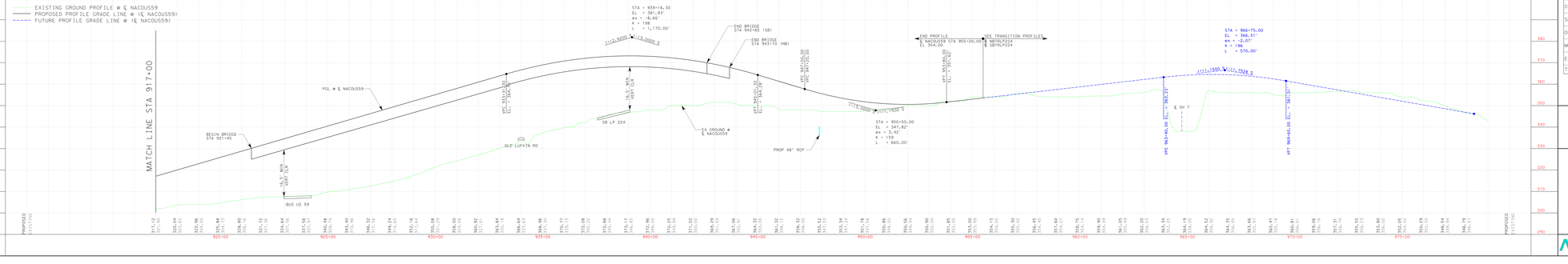
EXISTING TYPICAL SECTION
STA 941+50 TO 963+87

PROPOSED TYPICAL: SECTION F-F
STA 921+45 TO 942+65

PROPOSED TYPICAL: SECTION G-G
STA 942+65 TO 946+10

LEGEND

- EXISTING ROW
- PROPOSED ROW
- PROPOSED CONTROL OF ACCESS
- 59 MEDIAN PROJECT COA (CSJ 0176-01-094)
- EXISTING PROPERTY LINE
- 59 MEDIAN PROJECT (CSJ 0176-01-094)
- PROPOSED BRIDGE
- PROPOSED MAINLANES & RAMPS
- PROPOSED FRONTAGE ROADS & CROSS STREETS
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PAVEMENT TO BE REMOVED
- NUMBER OF LANES
- LIMITS OF CONSTRUCTION
- PROPOSED RETAINING WALL
- POTENTIAL DETENTION POND AREA
- CONSTRUCTION EASEMENT
- PROPOSED TRAFFIC SIGNAL
- NACOGDOCHES CITY LIMITS



Texas Department of Transportation

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.

VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTES: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

ROBERT RAMON, P.E. 3/31/24 DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

SHEET 3 OF 6

100% SCHEMATIC

SHEET 4 OF 6

Texas Department of Transportation

STATE OF TEXAS

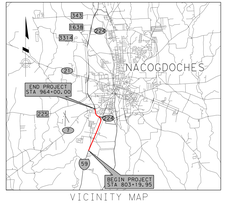
PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), NAD 83, CENTRAL ZONE (4203), NAVD 88.

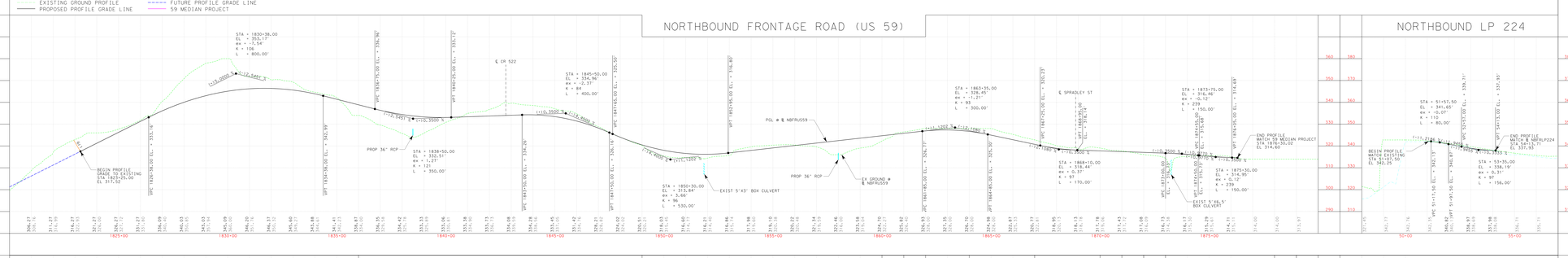
NOT A BIDDING DOCUMENT

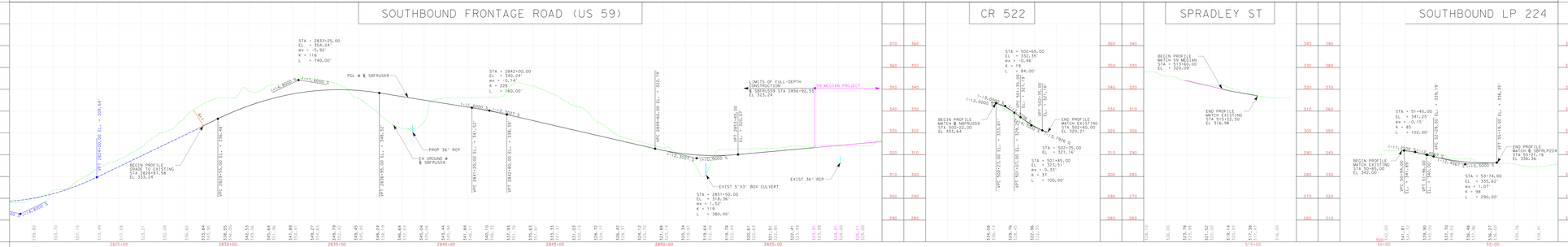
STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

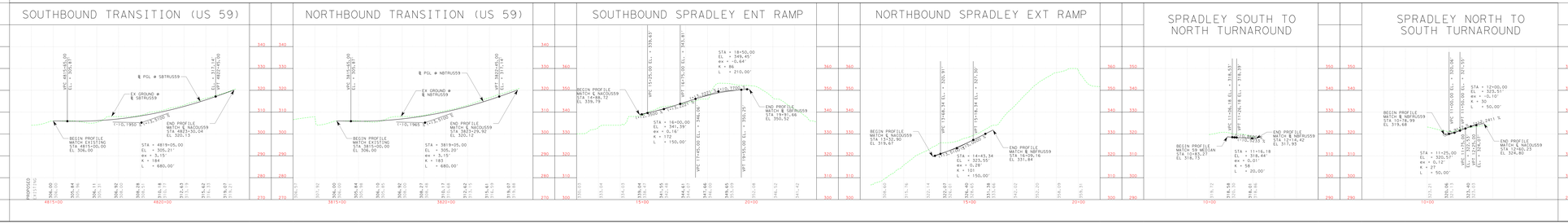
ROBERT RAMON, P.E. DATE

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

EXISTING GROUND PROFILE
PROPOSED PROFILE GRADE LINE
FUTURE PROFILE GRADE LINE
59 MEDIAN PROJECT







Texas Department of Transportation

STATE OF TEXAS

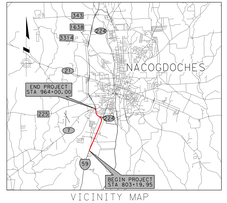
PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

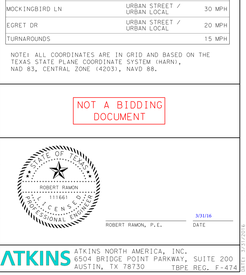
US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT



ROBERT RAMON, P.E. DATE 3/31/16

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

SHEET 4 OF 6

100% SCHEMATIC

SHEET 5 OF 6

Texas Department of Transportation

STATE OF TEXAS

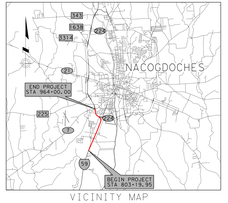
PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

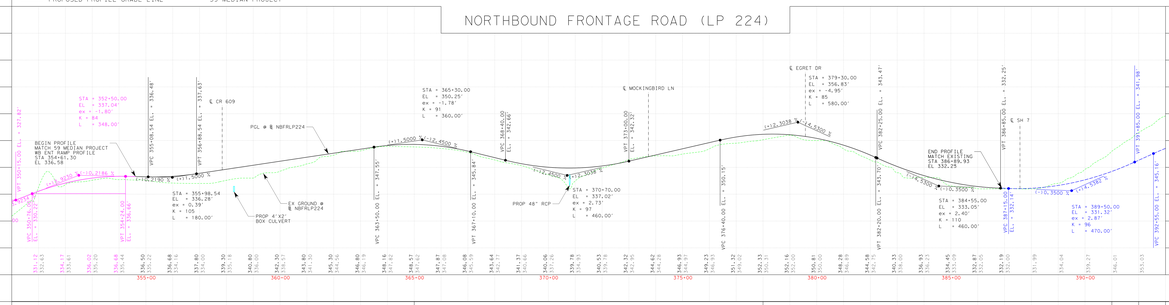
NOT A BIDDING DOCUMENT

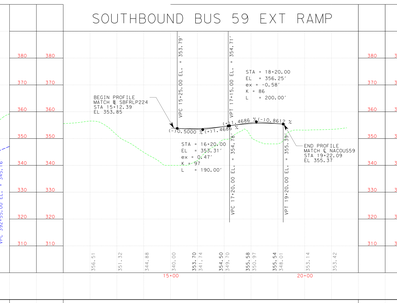
STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

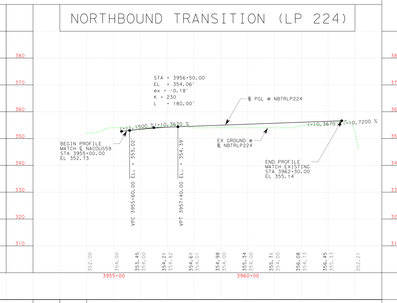
ROBERT RAMON, P.E. DATE

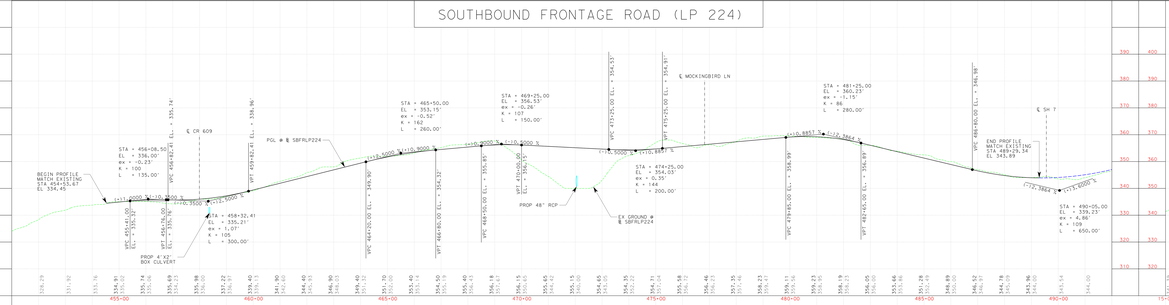
ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

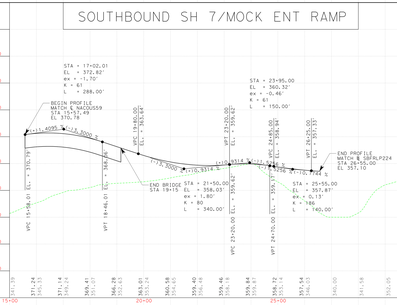
EXISTING GROUND PROFILE
PROPOSED PROFILE GRADE LINE
FUTURE PROFILE GRADE LINE
59 MEDIAN PROJECT

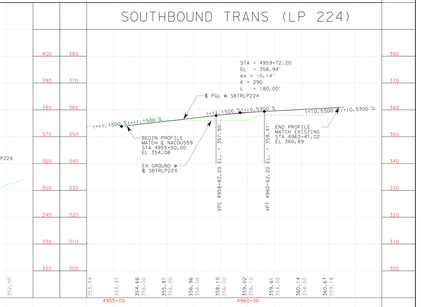


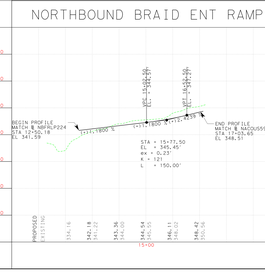


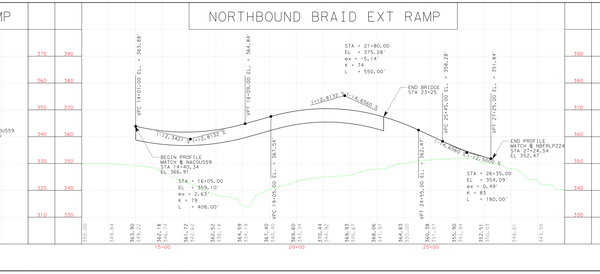


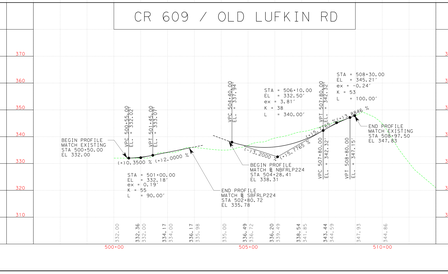


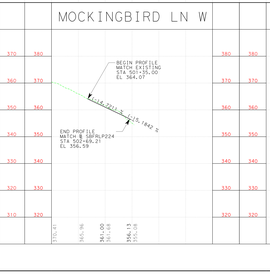


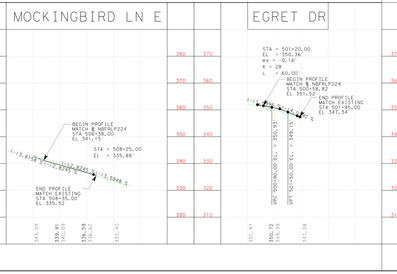


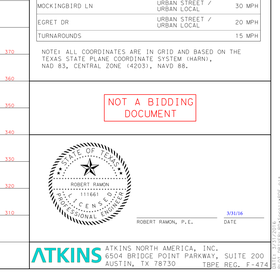












Texas Department of Transportation

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR
US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.

VICINITY MAP

HORZ SCALE 0 100 200
VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

STATE OF TEXAS
ROBERT RAMON
111661
LICENSED
PROFESSIONAL ENGINEER

ROBERT RAMON, P.E. DATE 3/31/16

ATKINS ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

SHEET 5 OF 6

Texas Department of Transportation

STATE OF TEXAS

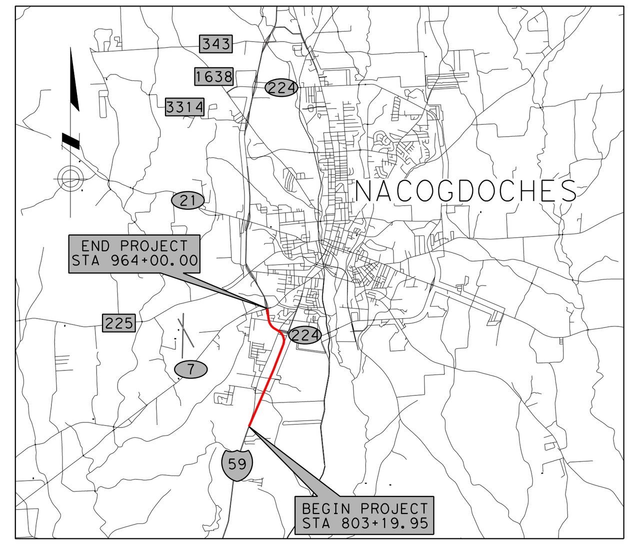
PRELIMINARY DESIGN SCHEMATIC FOR: US 59

NACOGDOCHES COUNTY

PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI

CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER

NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.



VICINITY MAP

HORZ SCALE 0 100 200

VERT SCALE 0 10 20

US 59 TRAFFIC VOLUMES

EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100

ROADWAY	ROADWAY/FUNCTIONAL CLASSIFICATION	DESIGN SPEED
URBAN MAINLANES	URBAN FREEWAY / PRINCIPAL ARTERIAL	50 MPH
URBAN FRONTAGE ROADS	URBAN FRONTAGE / URBAN COLLECTOR	40 MPH
RAMPS		45 MPH
COUNTY ROAD 522	RURAL LOCAL / RURAL LOCAL	30 MPH
SPRADLEY ST	URBAN STREET / URBAN COLLECTOR	30 MPH
OLD LUFKIN RD / CR 609	URBAN STREET / URBAN COLLECTOR	30 MPH
MOCKINGBIRD LN	URBAN STREET / URBAN LOCAL	30 MPH
EGRET DR	URBAN STREET / URBAN LOCAL	20 MPH
TURNAROUNDS		15 MPH

NOTE: ALL COORDINATES ARE IN GRID AND BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (HARN), NAD 83, CENTRAL ZONE (4203), NAVD 88.

NOT A BIDDING DOCUMENT

ROBERT RAMON, P.E. DATE

ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

HORIZONTAL ALIGNMENT DATA

CURVE AND COORDINATE DATA (MAINLANES)

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
NACOUS59	NACOUS59-3	798+27.29	806+14.99	814+00.00	8° 11' 30.36" RT	0° 31' 15.13"	1,572.71'	787.70'	11,000.00'	4,054,111.0139	10,570,518.3665	4,054,316.4433	10,571,278.8025	4,054,628.1287	10,572,002.2087	N 15° 07' 02.70" E	N 23° 18' 33.06" E
	NACOUS59-4	825+99.87	831+03.97	836+07.65	4° 05' 42.61" RT	0° 24' 22.87"	1,007.79'	504.11'	14,100.00'	4,055,102.9075	10,573,104.1464	4,055,302.3792	10,573,567.1102	4,055,534.4034	10,574,014.6470	N 23° 18' 33.06" E	N 27° 24' 15.67" E
	NACOUS59-5	836+07.65	841+11.76	846+15.44	4° 05' 42.61" LT	0° 24' 22.87"	1,007.79'	504.11'	14,100.00'	4,055,534.4034	10,574,014.6470	4,055,766.4275	10,574,462.1838	4,055,965.8992	10,574,925.1476	N 27° 24' 15.67" E	N 23° 18' 33.06" E
	NACOUS59-6	855+84.27	857+43.42	859+02.53	2° 19' 01.32" LT	0° 43' 40.90"	318.26'	159.15'	7,870.00'	4,056,349.2579	10,575,814.9038	4,056,412.2334	10,575,961.0669	4,056,469.2482	10,576,109.6564	N 23° 18' 33.06" E	N 20° 59' 31.74" E
	NACOUS59-7	866+45.06	869+53.00	872+51.29	24° 48' 37.25" RT	4° 05' 33.20"	606.23'	307.94'	1,400.00'	4,056,735.2510	10,576,802.9012	4,056,845.5684	10,577,090.4054	4,057,066.3449	10,577,305.0825	N 20° 59' 31.74" E	N 45° 48' 08.99" E
	NACOUS59-8	880+27.31	883+22.45	886+17.33	4° 13' 32.41" LT	0° 42' 58.31"	590.01'	295.14'	8,000.00'	4,057,622.7096	10,577,846.0763	4,057,834.3084	10,578,051.8292	4,058,030.1710	10,578,272.6144	N 45° 48' 08.99" E	N 41° 34' 36.58" E
	NACOUS59-9	895+45.69	914+59.91	925+14.78	91° 57' 17.24" LT	3° 05' 49.45"	2,969.09'	1,914.22'	1,850.00'	4,058,646.2559	10,578,967.0929	4,059,916.5771	10,580,399.0562	4,058,442.1154	10,581,619.7926	N 41° 34' 36.58" E	N 50° 22' 40.66" W
	NACOUS59-10	941+63.25	947+92.93	953+66.95	41° 32' 47.29" RT	3° 27' 05.59"	1,203.70'	629.69'	1,660.00'	4,057,172.3582	10,582,671.0501	4,056,687.3299	10,583,072.6147	4,056,590.6546	10,583,694.8369	N 50° 22' 40.66" W	N 8° 49' 53.37" W
	NACOUS59-11	969+24.97	974+57.27	979+75.59	22° 42' 56.08" LT	2° 09' 43.58"	1,050.62'	532.30'	2,650.00'	4,056,351.4538	10,585,234.3826	4,056,269.7300	10,585,760.3741	4,055,991.2300	10,586,214.0078	N 8° 49' 53.37" W	N 31° 32' 49.45" W

CURVE AND COORDINATE DATA (FRONTAGE ROADS, SOUTHERN)

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
NBFRUS59	NBFRUS59-5	1798+42.53	1806+20.34	1813+95.51	8° 11' 30.36" RT	0° 31' 38.96"	1,552.98'	777.81'	10,862.00'	4,054,244.2382	10,570,482.3764	4,054,447.0904	10,571,233.2724	4,054,754.8656	10,571,947.6031	N 15° 07' 02.70" E	N 23° 18' 33.06" E
	NBFRUS59-6	1834+55.60	1836+63.64	1838+71.58	2° 58' 45.37" RT	0° 42' 58.31"	415.98'	208.04'	8,000.00'	4,055,570.0299	10,573,839.5586	4,055,652.3495	10,574,030.6182	4,055,744.4880	10,574,217.1410	N 23° 18' 33.06" E	N 26° 17' 18.43" E
	NBFRUS59-7	1838+71.58	1842+40.75	1846+09.75	2° 58' 45.37" LT	0° 24' 12.98"	738.16'	369.17'	14,196.00'	4,055,744.4880	10,574,217.1410	4,055,907.9879	10,574,548.1258	4,056,054.0640	10,574,887.1611	N 26° 17' 18.43" E	N 23° 18' 33.06" E
	NBFRUS59-8	1860+71.44	1863+73.00	1866+74.01	6° 03' 25.14" LT	1° 00' 18.68"	602.57'	301.57'	5,700.00'	4,056,632.4429	10,576,229.5495	4,056,751.7706	10,576,506.5031	4,056,841.2087	10,576,794.5018	N 23° 18' 33.06" E	N 17° 15' 07.93" E
	NBFRUS59-9	1876+30.02	1878+35.26	1880+40.35	3° 53' 42.20" RT	0° 56' 57.24"	410.34'	205.25'	6,036.00'	4,057,124.7404	10,577,707.4991	4,057,185.6123	10,577,903.5121	4,057,259.6586	10,578,094.9373	N 17° 15' 07.93" E	N 21° 08' 50.13" E
SBFRUS59	SBFRUS59-5	2798+03.02	2806+00.60	2813+95.46	8° 11' 30.36" RT	0° 30' 51.90"	1,592.44'	797.58'	11,138.00'	4,053,977.7897	10,570,554.3566	4,054,185.7963	10,571,324.3327	4,054,501.3919	10,572,056.8143	N 15° 07' 02.70" E	N 23° 18' 33.06" E
	SBFRUS59-6	2828+87.58	2833+65.93	2838+43.14	6° 50' 37.17" RT	0° 42' 58.31"	955.55'	478.35'	8,000.00'	4,055,091.8160	10,573,427.1591	4,055,281.0941	10,573,866.4641	4,055,521.3715	10,574,280.0847	N 23° 18' 33.06" E	N 30° 09' 10.23" E
	SBFRUS59-7	2838+43.14	2843+21.49	2847+98.69	6° 50' 37.17" LT	0° 42' 58.31"	955.55'	478.35'	8,000.00'	4,055,521.3715	10,574,280.0847	4,055,761.6488	10,574,693.7052	4,055,950.9270	10,575,133.0103	N 30° 09' 10.23" E	N 23° 18' 33.06" E
	SBFRUS59-8	2856+92.55	2859+53.38	2862+13.88	4° 56' 55.17" LT	0° 56' 57.24"	521.33'	260.83'	6,036.00'	4,056,304.6193	10,575,953.9125	4,056,407.8271	10,576,193.4524	4,056,489.9866	10,576,441.0025	N 23° 18' 33.06" E	N 18° 21' 37.90" E
	SBFRUS59-9	2862+13.88	2864+74.71	2867+35.22	4° 56' 55.22" RT	0° 56' 57.24"	521.33'	260.83'	6,036.00'	4,056,489.9866	10,576,441.0025	4,056,572.1464	10,576,688.5532	4,056,675.3545	10,576,928.0939	N 18° 21' 37.90" E	N 23° 18' 33.12" E
	SBFRUS59-10	2872+42.16	2874+32.29	2876+22.29	3° 36' 30.15" RT	0° 56' 57.24"	380.14'	190.13'	6,036.00'	4,056,875.9488	10,577,393.6628	4,056,951.1821	10,577,568.2754	4,057,037.2558	10,577,737.8070	N 23° 18' 33.12" E	N 26° 55' 03.27" E
	SBFRUS59-11	2876+22.29	2879+26.50	2882+30.19	5° 46' 13.14" LT	0° 56' 57.24"	607.89'	304.20'	6,036.00'	4,057,037.2558	10,577,737.8070	4,057,174.9710	10,578,009.0522	4,057,284.7171	10,578,292.7691	N 26° 55' 03.27" E	N 21° 08' 50.13" E
	POT		2884+00.52									4,057,346.1667	10,578,451.6292				

CURVE AND COORDINATE DATA (FRONTAGE ROADS, NORTHERN)

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
NBFRLP224	POT		347+75.01									4,058,847.7334	10,582,266.9690				N 83° 14' 06.05" W
	NBFRLP224-1	354+85.41	366+92.36	375+50.16	74° 24' 12.68" RT	3° 36' 12.63"	2,064.75'	1,206.95'	1,590.00'	4,056,943.7327	10,582,350.6518	4,056,943.7327	10,582,492.8274	4,056,758.4305	10,583,685.4706	N 83° 14' 06.05" W	N 8° 49' 53.37" W
	NBFRLP224-2	391+78.27	396+40.27	400+90.14	22° 42' 56.08" LT	2° 29' 28.04"	911.86'	462.00'	2,300.00'	4,056,437.5377	10,585,294.2823	4,056,437.5377	10,585,750.8032	4,056,195.8207	10,586,144.5230	N 8° 49' 53.37" W	N 31° 32' 49.45" W
	POT		415+75.07									4,055,418.9049	10,587,409.9996				
SBFRLP224	POT		448+21.91									4,058,725.3511	10,581,950.2345				N 68° 14' 55.93" W
	POT		453+87.28									4,058,200.2384	10,582,159.7452				N 69° 03' 55.24" W
	SBFRLP224-1	462+89.25	471+31.69	478+04.00	62° 26' 16.64" RT	4° 07' 19.19"	1,514.75'	842.44'	1,390.00'	4,056,570.9734	10,582,482.0230	4,056,570.9734	10,582,783.0305	4,056,473.7454	10,583,619.8443	N 69° 03' 55.24" W	N 6° 37' 38.60" W
	SBFRLP224-2	481+12.02	483+17.84	485+23.49	4° 08' 09.65" LT	1° 00' 18.68"	411.47'	205.82'	5,700.00'	4,056,414.4416	10,583,925.8074	4,056,414.4416	10,584,130.2545	4,056,376.0035	10,584,332.4559	N 6° 37' 38.60" W	N 10° 45' 48.25" W
	SBFRLP224-3	495+24.09	499+84.76	504+35.30	20° 47' 01.20" LT	2° 16' 51.18"	911.21'	460.67'	2,512.00'	4,056,103.1057	10,585,315.4540	4,056,103.1057	10,585,768.0175	4,055,862.0846	10,586,160.6039	N 10° 45' 48.25" W	N 31° 32' 49.45" W
	POT		537+75.37									4,054,114.5642	10,589,007.0464				

CURVE AND COORDINATE DATA (TRANSITIONS)

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
NBTRUS59	NBTRUS59-1	3803+20.59	3808+21.21	3813+21.24	4° 45' 54.25" RT	0° 28' 34.30"	1,000.65'	500.62'	12,032.00'	4,054,250.6840	10,570,990.7544	4,054,409.8973	10,571,465.3779	4,054,607.9874	10,571,925.1351	N 18° 32' 38.82" E	N 23° 18' 33.06" E
	NBTRUS59-2	3815+00.00	3817+10.03	3819+20.02	1° 54' 35.81" RT	0° 27' 17.02"	420.02'	210.03'	12,600.00'	4,054,678.7186	10,572,089.2987	4,054,761.8256	10,572,282.1859	4,054,851.3151	10,572,472.1961	N 23° 18' 33.06" E	N 25° 13' 08.88" E
	NBTRUS59-3	3819+20.02	3821+30.05	3823+40.04	1° 54' 35.81" LT	0° 27' 17.02"	420.02'	210.03'	12,600.00'	4,054,851.3151	10,572,472.1961	4,054,940.8047	10,572,662.2063	4,055,023.9117	10,572,855.0935	N 25° 13' 08.88" E	N 23° 18' 33.06" E
SBTRUS59			4799+00.00									4,054,065.3709	10,570,612.6499				N 18° 38' 22.75" E
	SBTRUS59-1	4799+25.14	4803+84.36	4808+43.13	4° 22' 59.00" RT	0° 28' 38.87"	917.98'	459.22'	12,000.00'	4,054,073.4061	10,570,636.4714	4,054,220.1787	10,571,071.6008	4,054,399.7763	10,571,494.2406	N 18° 38' 22.75" E	N 23° 01' 21.75" E
	SBTRUS59-2	4815+68.58	4817+45.70	4819+22.81	1° 36' 38.82" LT	0° 27' 17.02"	354.23'	177.13'	12,600.00'	4,054,683.4980	10,572,161.9110	4,054,752.7714	10,572,324.9293	4,054,817.4350	10,572,489.8304	N 23° 01' 21.75" E	N 21° 24' 42.93" E
	SBTRUS59-3	4819+22.81	4821+31.44	4823+40.04	1° 53' 50.13" RT	0° 27' 17.02"	417.23'	208.63'	12,600.00'	4,054,817.4350	10,572,489.8304	4,054,893.6010	10,572,684.0640	4,054,976.1558	10,572,875.6695	N 21° 24' 42.93" E	N 23° 18' 33.06" E
NBTRLP224			3954+00.00									4,056,611.2720	10,583,731.4881				N 8° 49' 53.37" W
	NBTRLP224-1	3958+13.87	3959+22.26	3960+30.64	0° 59' 08.46" LT	0° 27' 17.02"	216.76'	108.38'	12,600.00'	4,056,547.7305	10,584,140.4546	4,056,531.0904	10,584,247.5538	4,056,512.6103	10,584,354.3510	N 8° 49' 53.37" W	N 9° 49' 01.83" W
	NBTRLP224-2	3960+30.64	3961+36.25	3962+41.85	0° 57' 37.67" RT	0° 27' 17.02"	211.22'	105.61'	12,600.00'	4,056,512.6103	10,584,354.3510	4,056,494.6031	10,584,458.4156	4,056,478.3428	10,584,562.7675	N 9° 49' 01.83" W	N 8° 51' 24.16" W
			3964+13.77									4,056,451.8738	10,584,732.6349				
SBTRLP224			4954+00.00									4,056,559.8885	10,583,723.5046				N 8° 49' 53.37" W
			4961+22.47									4,056,448.9692	10,584,437.4043				N 7° 57' 00.31" W
			4963+45.48									4,056,418.1246	10,584,658.2714				N 9° 02' 45.88" W
			4964+00.03									4,056,409.5475	10,584,712.1441				

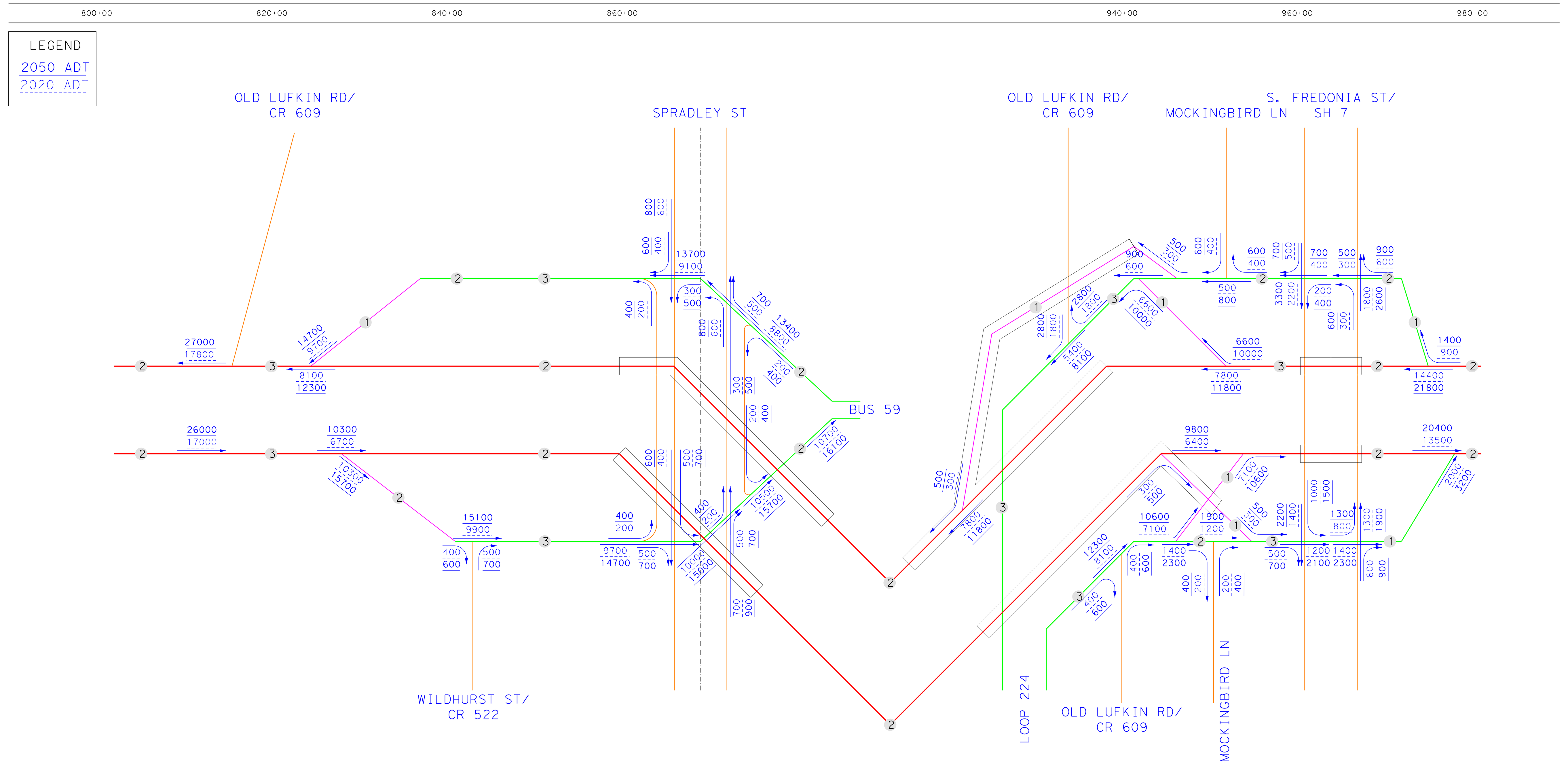
CURVE AND COORDINATE DATA (RAMPS)

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
NBEXSPRAD	POT		10+00.00									4,054,930.3980	10,572,547.0732				N 28° 18' 33.06" E
	NBEXSPRAD-1	16+23.13	18+72.00	21+20.55	5° 00' 00.00" LT	1° 00' 18.68"	497.42'	248.87'	5,700.00'	4,055,225.9068	10,573,095.6819	4,055,343.9270	10,573,314.7851	4,055,442.4020	10,573,543.3407	N 28° 18' 33.06" E	N 23° 18' 33.06" E
SBENSPRAD	SBENSPRAD-1	10+00.00	12+20.32	14+40.55	2° 54' 04.77" LT	0° 39' 30.86"	440.55'	220.32'	8,700.00'	4,054,994.6558	10,572,979.2602	4,055,081.8352	10,573,181.5993	4,055,158.6612	10,573,388.0916	N 23° 18' 33.06" E	N 20° 24' 28.29" E
	SBENSPRAD-2	14+40.55	20+21.88	26+01.17	8° 18' 44.56" RT	0° 42' 58.31"	1,160.63'	581.33'	8,000.00'	4,055,158.6612	10,573,388.0916	4,055,361.3726	10,573,932.9372	4,055,640.7226	10,574,442.7530	N 20° 24' 28.29" E	N 28° 43' 12.85" E
BRAIDNBEN	POT		10+00.00									4,056,960.3241	10,583,075.1023				N 31° 57' 57.92" W
	BRAIDNBEN-1	11+30.49	15+60.30	19+78.41	23° 08' 04.55" RT	2° 43' 42.13"	847.93'	429.82'	2,100.00'	4,056,891.2428	10,583,185.8013	4,056,663.6891	10,583,550.4433	4,056,597.6994	10,583,975.1666	N 31° 57' 57.92" W	N 8° 49' 53.37" W
BRAIDNBEX	BRAIDNBEX-1	10+00.00	18+04.54	25+20.62	46° 16' 53.58" RT	3° 02' 36.96"	1,520.62'	804.54'	1,882.50'	4,057,358.9007	10,582,581.5203	4,056,739.1906	10,583,094.5907	4,056,681.7185	10,583,897.0735	N 50° 22' 40.66" W	N 4° 05' 47.08" W
	BRAIDNBEX-2	27+30.71	29+24.20	31+17.48	4° 44' 06.29" LT	1° 13' 27.37"	386.77'	193.49'	4,680.00'	4,056,666.7107	10,584,106.6271	4,056,652.8884	10,584,299.6270	4,056,623.1815	10,584,490.8271	N 4° 05' 47.08" W	N 8° 49' 53.37" W
SBENMOCK	SBENMOCK-1	10+00.00	14+00.39	17+99.76	7° 04' 17.04" LT	0° 53' 03.10"	799.76'	400.39'	6,480.00'	4,057,956.2671	10,581,959.7202	4,057,647.8621	10,582,215.0549	4,057,310.3697	10,582,430.4808	N 50° 22' 40.66" W	N 57° 26' 57.70" W
	SBENMOCK-2	20+67.38	22+21.98	23+75.39	12° 20' 11.80" RT	4° 00' 19.07"	308.01'	154.60'	1,430.50'	4,057,084.7839	10,582,574.4753	4,056,954.4678	10,582,657.6578	4,056,844.9332	10,582,766.7622	N 57° 26' 57.70" W	N 45° 06' 45.90" W
	SBENMOCK-3	23+75.39	26+03.19	28+24.53	23° 36' 32.54" RT	5° 15' 23.38"	449.14'	227.80'	1,090.00'	4,056,844.9332	10,582,766.7622	4,056,683.5357	10,582,927.5257	4,056,600.0321	10,583,139.4718	N 45° 06' 45.90" W	N 21° 30' 13.35" W
			29+60.90									4,056,550.0448	10,583,266.3478				
SBEXBUS59	SBEXBUS59-1	10+00.00	14+98.28	19+44.56	45° 05' 58.18" RT	4° 46' 28.73"	944.56'	498.28'	1,200.00'	4,056,626.2503	10,582,680.7470	4,056,626.2503	10,582,981.0969	4,056,558.3550	10,583,474.7269	N 52° 55' 51.55" W	N 7° 49' 53.37" W
	POT		21+57.14									4,056,529.3897	10,583,685.3181				
U_SPRADNS	POT		10+00.00									4,056,818.2885	10,576,801.6197				N 17° 15' 07.93" E
	U_SPRADNS-1	10+54.22	25+22.82	12+85.13	174° 04' 30.59" LT	75° 23' 21.06"	230.90'	1,468.60'	76.00'	4,056,834.3700	10,576,853.4036	4,057,269.9240	10,578,255.9264	4,056,691.9231	10,576,905.8552	N 17° 15' 07.93" E	S 23° 10' 37.34" W
U_SPRADSN	U_SPRADSN-1	10+00.00	10+66.84	10+92.85	106° 24' 14.18" LT	114° 35' 29.61"	92.85'	66.84'	50.00'	4,056,798.0856	10,577,152.2932	4,056,771.6370	10,577,090.9074	4,056,837.9933	10,577,082.8713	S 23° 18' 33.12" W	S 83° 05' 41.06" E
	U_SPRADSN-2	11+06.50	11+70.72	12+13.55	79° 39' 11.01" LT	74° 24' 36.37"	107.05'	64.21'	77.00'	4,056,851.5409	10,577,081.2306	4,056,915.2895	10,577,073.5102	4,056,934.3341	10,577,134.8355	S 83° 05' 41.06" E	N 17° 15' 07.93" E
TURNNS7	TURNNS71	10+00.00	10+72.45	11+08.45	97° 05' 15.96" LT	89° 31' 28.76"	108.45'	72.45'	64.00'	4,056,576.4980	10,584,700.1039	4,056,565.3747	10,584,771.6955	4,056,495.7027	10,584,751.8236	N 8° 49' 53.37" W	S 74° 04' 50.67" W
	TURNNS72	12+33.71	12+93.11	13+29.96	84° 50' 38.92" LT	88° 08' 50.47"	96.25'	59.40'	65.00'	4,056,375.2466	10,584,717.4670	4,056,318.1255	10,584,701.1749	4,056,329.2185	10,584,642.8208	S 74° 04' 50.67" W	S 10° 45' 48.25" E
NBLP224			45+00.00									4,059,082.9903	10,582,068.6203				N 76° 32' 09.13" W
	NBLP224-1	56+24.48	59+99.45	63+61.34	26° 09' 28.47" RT	3° 32' 59.73"	736.86'	374.96'	1,614.00'	4,057,989.4130	10,582,330.4410	4,057,624.7539	10,582,417.7465	4,057,335.9306	10,582,656.8691	N 76° 32' 09.13" W	N 50° 22' 40.66" W
			64+07.60									4,057,300.2991	10,582,686.3692				
SBLP224			50+00.00									4,058,586.4796	10,582,142.2690				N 76° 31' 09.72" W
	SBLP224-1	53+81.66	57+52.96	61+23.22	7° 27' 14.49" RT	1° 00' 18.68"	741.55'	371.30'	5,700.00'	4,058,215.3312	10,582,231.2412	4,057,854.2600	10,582,317.7976	4,057,507.4691	10,582,450.4646	N 76° 31' 09.72" W	N 69° 03' 55.24" W

CURVE AND COORDINATE DATA (CROSS STREETS)

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
BUS59	BUS59-1	873+40.70	875+56.92	877+73.09	2° 09' 42.94" LT	0° 30' 00.00"	432.39'	216.22'	11,459.16'	4,056,978.8219	10,577,458.0497	4,057,064.3779	10,577,656.6209	4,057,142.3822	10,577,858.2783	N 23° 18' 33.06" E	N 21° 08' 50.13" E
	POT		933+00.00									4,059,136.3048	10,583,012.9867				
X_CR522	POT		500+00.00									4,055,908.3951	10,574,613.1962				S 65° 26' 26.35" E
	X_CR522-1	500+27.98	500+68.99	501+09.49	15° 34' 02.31" LT	19° 05' 54.94"	81.51'	41.01'	300.00'	4,055,933.8450	10,574,601.5662	4,055,971.1427	10,574,584.5220	4,056,011.6465	10,574,578.1126	S 65° 26' 26.35" E	S 81° 00' 28.66" E
	POT		502+73.20									4,056,173.3388	10,574,552.5261				
X_SPRAD	POT		510+00.00									4,056,452.9731	10,577,057.9809				S 83° 05' 41.06" E
	POT		514+98.18									4,056,947.5374	10,576,998.0860				S 82° 50' 41.06" E
	POT		516+74.83									4,057,122.8136	10,576,976.0825				
X_CR609	POT		500+00.00									4,057,704.3501	10,582,033.9312				N 20° 11' 03.73" E
	X_CR609-1	504+49.90	506+90.22	509+26.98	17° 05' 02.46" RT	3° 34' 51.55"	477.08'	240.32'	1,600.00'	4,057,859.5859	10,582,456.2052	4,057,942.5068	10,582,681.7674	4,058,088.0331	10,582,873.0168	N 20° 11' 03.73" E	N 37° 16' 06.20" E
	POT		512+16.84									4,058,263.5578	10,583,103.6898				
X_MOCKE	POT		506+00.00									4,056,805.0913	10,583,422.8497				N 71° 36' 48.46" E
	X_MOCKE-1	506+41.30	507+09.26	507+74.96	25° 31' 38.29" RT	19° 05' 54.94"	133.66'	67.96'	300.00'	4,056,844.2824	10,583,435.8766	4,056,908.7713	10,583,457.3124	4,056,976.2025	10,583,448.8647	N 71° 36' 48.46" E	S 82° 51' 33.25" E
	POT		509+63.87									4,057,163.6437	10,583,425.3822				
X_MOCKW	POT		500+00.00									4,056,196.2060	10,583,546.5820				S 82° 51' 33.25" E
	X_MOCKW-1	501+40.40	501+85.28	502+29.51	17° 01' 04.31" LT	19° 05' 54.94"	89.11'	44.88'	300.00'	4,056,335.5187	10,583,529.1290	4,056,380.0537	10,583,523.5497	4,056,424.2715	10,583,531.2487	S 82° 51' 33.25" E	N 80° 07' 22.45" E
	POT		503+07.71									4,056,501.3150	10,583,544.6632				
X_EGRET	POT		500+00.00									4,056,664.3247	10,584,053.2113				N 86° 53' 08.26" E
	POT		502+00.00									4,056,864.0293	10,584,064.0772				

TRAFFIC VOLUME DIAGRAM



SUPERELEVATION

SUPERELEVATION TABLE SB MAINLANES (US 59) STATION	SLOPE (%)
823+39.88	-2.00
860+69.06	-2.00
867+89.06	5.20
871+07.29	5.20
878+27.29	-2.00
893+24.69	-2.00
895+84.69	-4.60
924+75.78	-4.60
927+35.78	-2.00
935+85.25	-2.00
942+65.25	4.80
952+64.95	4.80
959+44.95	-2.00
963+80.00	-2.00

SUPERELEVATION TABLE NB MAINLANES (US 59) STATION	SLOPE (%)
823+39.88	-2.00
863+89.06	-2.00
867+09.06	-5.20
871+87.29	-5.20
875+07.29	-2.00
889+84.69	-2.00
896+44.69	4.60
924+15.78	4.60
930+75.78	-2.00
939+25.25	-2.00
942+05.25	-4.80
953+24.95	-4.80
956+04.95	-2.00
963+80.00	-2.00

SUPERELEVATION TABLE NB FRONTAGE ROAD (US 59) STATION	SLOPE (%)
1823+25.00	-2.00
1823+26.17	-2.00
1825+18.17	2.00
1831+33.00	2.00
1834+21.00	-2.00
1858+41.04	-2.00
1861+29.04	2.00
1865+79.51	2.00
1868+49.51	-1.75
1869+91.50	-1.75
1870+03.50	-2.00
1876+30.02	-2.00

SUPERELEVATION TABLE SB FRONTAGE ROAD (US 59) STATION	SLOPE (%)
2828+87.58	-2.00
2867+15.04	-2.00
2868+00.83	1.71

SUPERELEVATION TABLE NB FRONTAGE ROAD (LP 224) STATION	SLOPE (%)
354+24.00	-2.00
354+25.82	-2.00
355+00.31	-3.80
375+35.26	-3.80
376+09.75	-2.00
385+84.00	-2.00
386+80.00	-4.00

SUPERELEVATION TABLE SB FRONTAGE ROAD (LP 224) STATION	SLOPE (%)
454+13.10	-2.00
456+05.10	2.00
460+93.41	2.00
463+23.81	5.20
477+34.88	5.20
480+80.48	-2.00
485+64.00	-2.00
489+00.00	5.00

SUPERELEVATION TABLE NBEXSPRAD STATION	SLOPE (%)
13+42.90	-2.00
15+74.03	-2.00

SUPERELEVATION TABLE SBENSPRAD STATION	SLOPE (%)
14+98.70	-2.00
19+81.71	-2.00

SUPERELEVATION TABLE SBENMOCK STATION	SLOPE (%)
15+08.86	-1.54
15+20.79	-2.00
19+14.12	-2.00
20+85.23	4.60
23+46.58	4.60
23+62.13	5.20
26+38.63	5.20

SUPERELEVATION TABLE BRAIDNBEX STATION	SLOPE (%)
13+97.97	-4.80
14+20.01	-3.95
25+10.51	-3.95
25+61.06	-2.00
27+30.71	-2.00

SUPERELEVATION TABLE SBEXBUS59 STATION	SLOPE (%)
15+57.49	-1.22
15+77.71	-2.00
19+30.49	-2.00
21+01.60	4.60
23+62.95	4.60
23+78.50	5.20
26+55.00	5.20

SUPERELEVATION TABLE BRAIDNBEN STATION	SLOPE (%)
12+50.18	-3.80
16+88.87	-4.37
17+03.65	-4.37

Texas Department of Transportation
STATE OF TEXAS
PRELIMINARY DESIGN SCHEMATIC FOR: US 59
NACOGDOCHES COUNTY
PROJECT LIMITS: 1.242 MI SOUTH OF SPRADLEY ST TO SH 7
APPROX LENGTH OF PROJECT = 16,080.1 FT = 3.05 MI
CSJ NO. 0176-01-081 (NACOGDOCHES COUNTY)
CHERYL P. FLOOD, P.E. DISTRICT ENGINEER
NOTE: FOR TRAFFIC VOLUMES AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 6 OF 6.
VICINITY MAP
US 59 TRAFFIC VOLUMES
EXISTING (2020 ADT): 34,900
PROJECTED (2050 ADT): 53,100
NOT A BIDDING DOCUMENT
ATKINS NORTH AMERICA, INC. 6504 BRIDGE POINT PARKWAY, SUITE 200 AUSTIN, TX 78730 TBPE REG. F-474