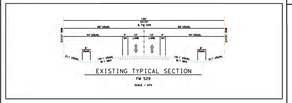
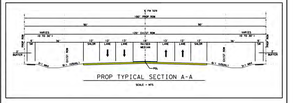
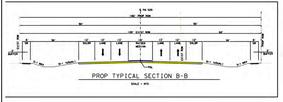
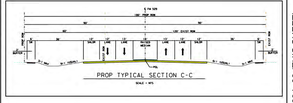
FM 529 GEOMETRIC SCHEMATIC - FROM FM 362 TO SH 99 (GRAND PKWY)

FM 529 - FM 362 TO SH 99 (GRAND PKWY) - GEOMETRIC SCHEMATIC

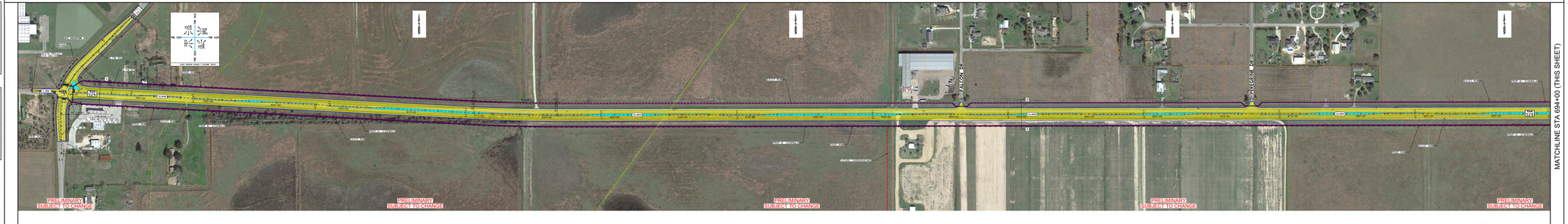


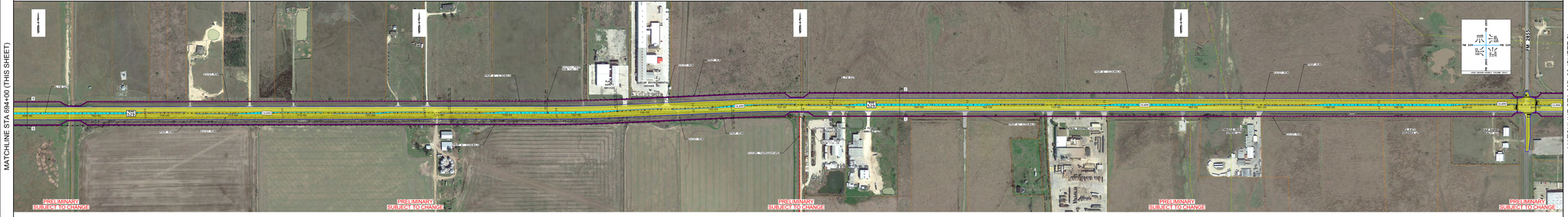






MATCHLINE STA 694+00 (THIS SHEET)





MATCHLINE STA 807+00 (SHEET 2)

MATCHLINE STA 694+00 (THIS SHEET)

SCALE 0 50 100 200

PLAN LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXIST PARCEL/ROW
- PROPOSED ROW
- PROPOSED THOROUGHFARE
- EXISTING TRANSMISSION LINE
- EXISTING GAS LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED CURB LINE
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED SOLID STRIPING
- PROPOSED BROKEN STRIPING
- PROPOSED MAINLANES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED DETENTION POND LOCATION
- PROPOSED SIDEWALK/ SHARED USE PATH
- 2045 AVERAGE DAILY TRAFFIC (ADT)
- EXISTING FLASHING LIGHT*
- EXISTING SIGNAL

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
DESIGN SPEED: 50 MPH

OVERALL CORRIDOR ADT RANGES:

2018	(6,250 TO 10,850)	ADT
2038	(17,700 TO 52,450)	ADT
2045	(20,200 TO 59,800)	ADT

*TRAFFIC SIGNAL WARRANT STUDY IS REQUIRED FOR FUTURE TRAFFIC SIGNALS.

NOT A BIDDING DOCUMENT
NOT A CONTRACT
NOT FOR CONSTRUCTION
NOT FOR BIDDING

PRELIMINARY
THE FACTS, OPINIONS OR CONCLUSIONS SHOWN ARE PRELIMINARY AND SHOULD NOT BE RELIED UPON

AECOM
AECOM ENVIRONMENTAL, INC.
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SUITE 100
HOUSTON, TEXAS 77077
TEL: 832-782-5000
FM 529 CORRIDOR STUDY
GEOMETRIC SCHEMATIC

Texas Department of Transportation

HOUSTON DISTRICT

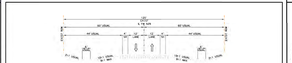
CONCEPTUAL SCHEMATIC
HARRIS AND WALLER COUNTIES
CSJ: 1008-07-002
CSJ: 1008-07-003
CSJ: 1008-01-019
FM 529
FROM FM 362
TO SH 99
PROJECT LENGTH: 10.4 MILES

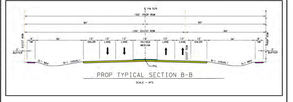
Date: 5/25/2020

FM 529 GEOMETRIC SCHEMATIC - FROM FM 362 TO SH 99 (GRAND PKWY)

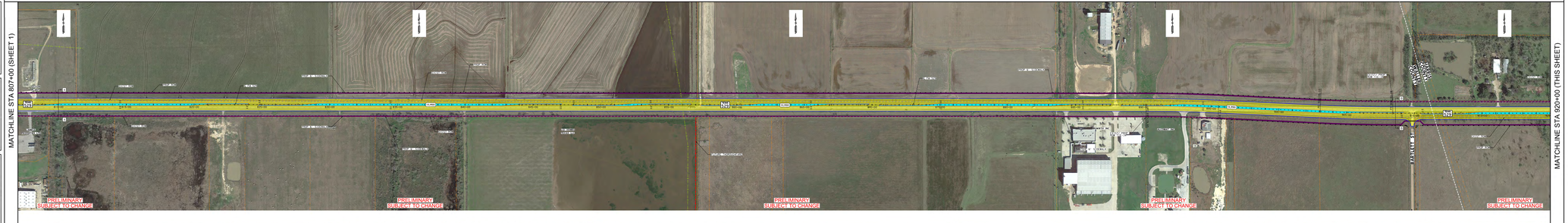
FM 529 - FM 362 TO SH 99 (GRAND PKWY) - GEOMETRIC SCHEMATIC

PRELIMINARY SUBJECT TO CHANGE



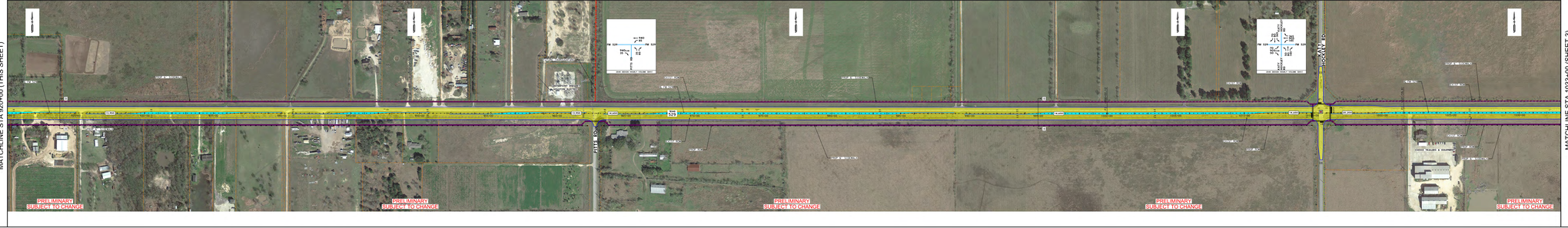


MATCHLINE STA 807+00 (SHEET 1)



MATCHLINE STA 920+00 (THIS SHEET)

MATCHLINE STA 920+00 (THIS SHEET)



MATCHLINE STA 1033+00 (SHEET 3)

SCALE

PLAN LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXIST PARCEL/ROW
- PROPOSED ROW
- PROPOSED THOROUGHFARE
- EXISTING TRANSMISSION LINE
- EXISTING GAS LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED CURB LINE
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED SOLID STRIPING
- PROPOSED BROKEN STRIPING
- PROPOSED WATERLINES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED DETENTION POND LOCATION
- PROPOSED SIDEWALK/ SHARED USE PATH
- 2045 AVERAGE DAILY TRAFFIC (ADT) (00,000)
- EXISTING FLASHING LIGHT*
- EXISTING SIGNAL

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
DESIGN SPEED: 50 MPH

OVERALL CORRIDOR ADT RANGES:

2018	(6,250 TO 10,850)	ADT
2038	(17,700 TO 52,450)	ADT
2045	(20,200 TO 59,800)	ADT

*TRAFFIC SIGNAL WARRANT STUDY IS REQUIRED FOR FUTURE TRAFFIC SIGNALS.

PRELIMINARY
THIS PLAN IS PRELIMINARY AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

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SUGAR LAND, TX 77478
281-561-8700

FM 529 CORRIDOR STUDY
GEOMETRIC SCHEMATIC

Texas Department of Transportation
Transportation Planning and Programming

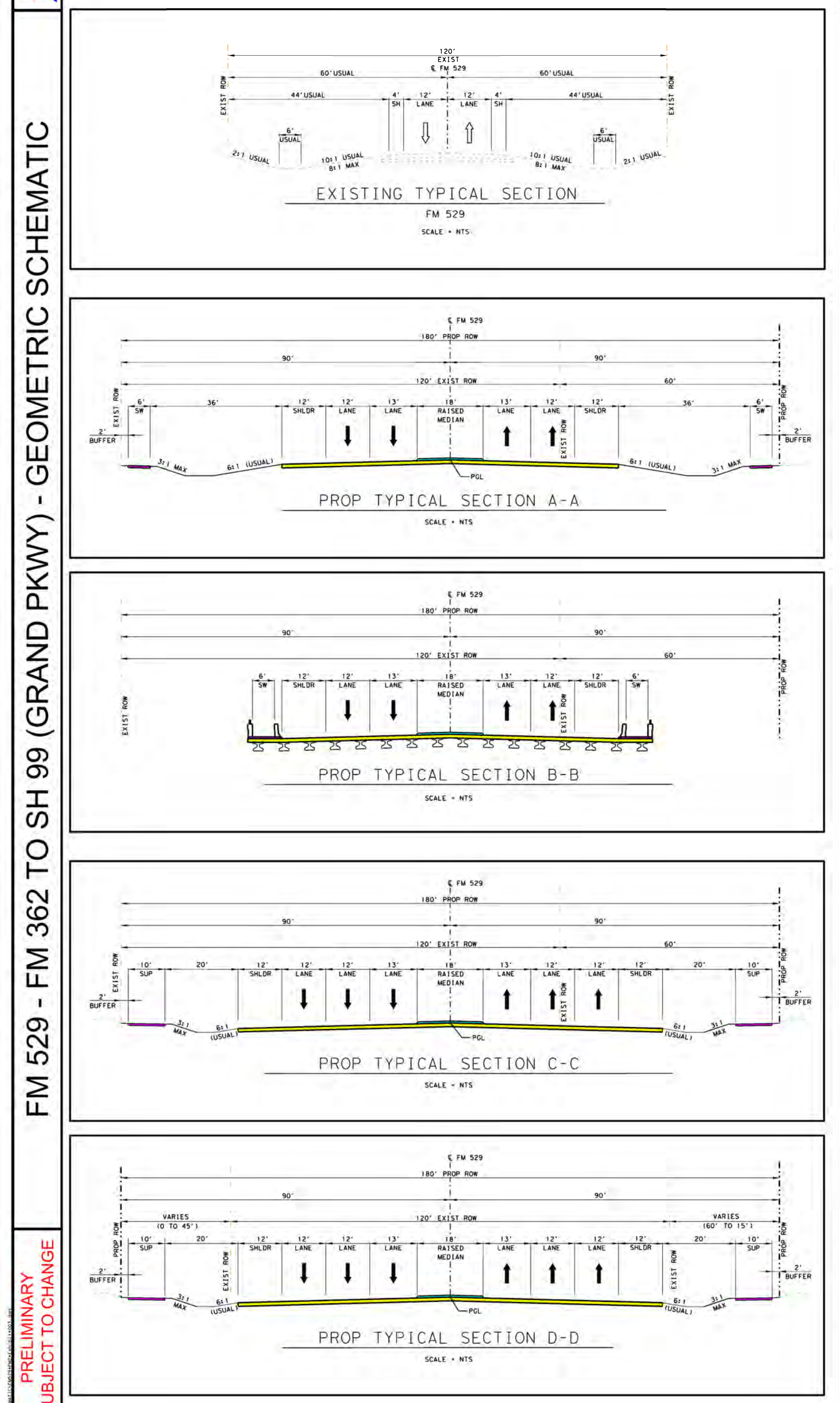
HOUSTON DISTRICT

CONCEPTUAL SCHEMATIC
HARRIS AND WALLER COUNTIES
CSJ: 1068-07-072
CSJ: 1068-07-073
CSJ: 1068-07-079
FM 529
FROM FM 362
TO SH 99
PROJECT LENGTH: 12.2 MILES

5/15/2020

FM 529 - FM 362 TO SH 99 (GRAND PKWY) - GEOMETRIC SCHEMATIC
PRELIMINARY SUBJECT TO CHANGE

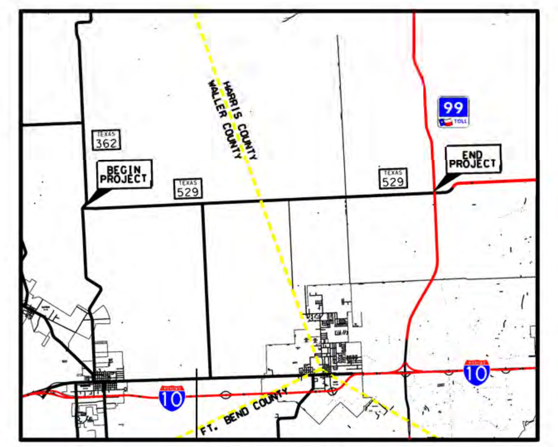
FM 529 GEOMETRIC SCHEMATIC - FROM FM 362 TO SH 99 (GRAND PKWY)



MATCHLINE STA 1033+00 (SHEET 2)

MATCHLINE STA 920+00 (THIS SHEET)

MATCHLINE STA 1146+00 (THIS SHEET)



VICINITY MAP
N.T.S.

SCALE 0 50 100 200

PLAN LEGEND

EXIST LANE DIRECTIONAL INDICATOR	
PROPOSED LANE DIRECTIONAL INDICATOR	
EXIST PARCEL/ROW	
PROPOSED ROW	
PROPOSED THOROUGHFARE	
EXISTING TRANSMISSION LINE	OP OP
EXISTING GAS LINE	G
PROPOSED EDGE OF PAVEMENT	
PROPOSED CURB LINE	
PROPOSED SIDEWALK/ SHARED USE PATH	
PROPOSED SOLID STRIPING	
PROPOSED BROKEN STRIPING	
PROPOSED MAINLANES	
PROPOSED RAISED MEDIAN	
EXISTING/PROPOSED BRIDGE WIDENING	
PROPOSED DETENTION POND LOCATION	
PROPOSED SIDEWALK/ SHARED USE PATH	
2045 AVERAGE DAILY TRAFFIC (ADT)	00000
EXISTING FLASHING LIGHT*	
EXISTING SIGNAL	

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
DESIGN SPEED: 50 MPH

OVERALL CORRIDOR ADT RANGES:

2018	(6,250 TO 10,850)	ADT
2038	(17,700 TO 52,450)	ADT
2045	(20,200 TO 59,800)	ADT

*TRAFFIC SIGNAL WARRANT STUDY IS REQUIRED FOR FUTURE TRAFFIC SIGNALS.

NOT A BIDDING DOCUMENT
PETE J. FERRIER, P.E.
91776
TEXAS REGISTRATION NUMBER
5/26/2020
DATE

PRELIMINARY
THIS PRINT IS FURNISHED FOR INFORMATION ONLY. THE PLAN INFORMATION OR OTHER DATA SHOWN HEREON IS SUBJECT TO CHANGE AND MUST NOT BE CONSTRUED AS FINAL.

AECOM TECHNICAL SERVICES, INC.
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HOUSTON, TEXAS 77094
WWW.AECOM.COM
TBPE REG. NO. F-3580

FM 529 CORRIDOR STUDY
GEOMETRIC SCHEMATIC
Date: 5/26/2020

Texas Department of Transportation
HOUSTON DISTRICT

CONCEPTUAL SCHEMATIC
HARRIS AND WALLER COUNTIES
CSJ: 1006-02-009
CSJ: 1006-01-074
CSJ: 1006-01-079
FM 529
FROM FM 362
TO SH 99
PROJECT LENGTH: 12.2 MILES

Date: 5/26/2020

FM 529 - FM 362 TO SH 99 (GRAND PKWY) - GEOMETRIC SCHEMATIC

PRELIMINARY
SUBJECT TO CHANGE

ROADWAY: FM 529
COUNTY: HARRIS/WALLER
LIMITS FROM: FM 362
LIMITS TO: SH 99

C:\TxDOT\60583343-HOU-SCHENV- FM529\900-CAD-GIS\910 CAD\20-SHEETS\SCHEMATIC\FM529-PM2-Exhibit-003.dgn