Texas Department of Transportation

HOUSTON DISTRICT

FM 1488 SCHEMATIC DESIGN

WIDENING
WALLER COUNTY AND HARRIS COUNTY
LIMITS: FROM BU 290 TO ST JOSEPH RD

PROJECT LENGTH: 19.216 MILES

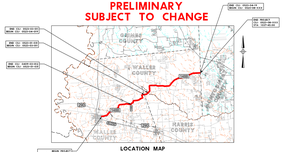
INTERIM REVIEW DOCUMENT
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

MOHAMMED ZAHEER, P.E. | 124245 P.E. # | SEPT 2019 DATE

DESIGN SPEED		FUNCTIONAL CLASS	ADT: FM 1488
URBAN	40 MPH	COLLECTOR (ARTERIAL)	
RURAL	60 MPH		

0 100 200 300 400
SCALE: 1" = 100'

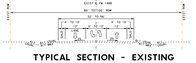
PRELIMINARY SUBJECT TO CHANGE



LOCATION MAP

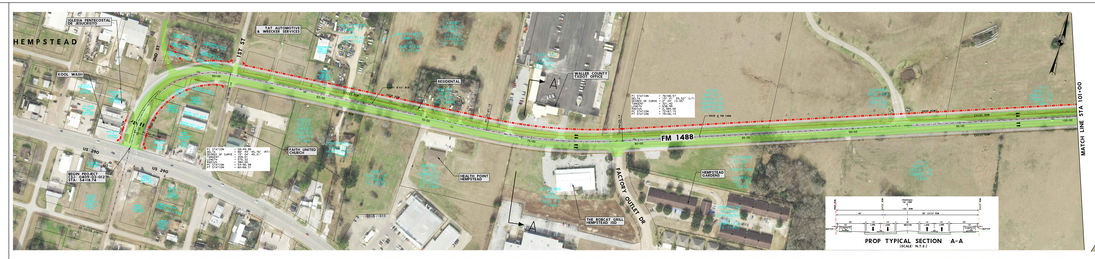
LEGEND

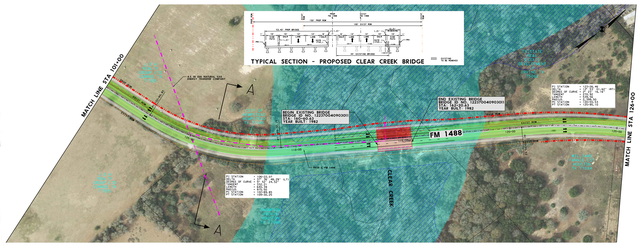
- EXISTING TRAFFIC DIRECTION
- PROPOSED TRAFFIC DIRECTION
- EXISTING ROW
- EXISTING PROPERTY LINE
- PROPOSED ROW
- EXISTING PIPELINE LOCATION
- PROPOSED BRIDGE
- EXISTING BRIDGE
- EXISTING WETLAND
- EXISTING PAVEMENT TO REMAIN
- PROPOSED ALTERNATIVE A - WIDENING ON THE NORTH SIDE
- PROPOSED ALTERNATIVE B - WIDENING TO BOTH SIDES
- PROPOSED ALTERNATIVE C - WIDENING ON THE SOUTH SIDE
- PROP ALTERNATIVE CURVE ALIGN 01
- PROP ALTERNATIVE CURVE ALIGN 02
- PROP ALTERNATIVE CURVE ALIGN 03
- PROP ALTERNATIVE CURVE ALIGN 04
- PROP ALTERNATIVE CURVE ALIGN 05
- PROP ALTERNATIVE CURVE ALIGN 06
- PROP ALTERNATIVE CURVE ALIGN 07
- PROP ALTERNATIVE CURVE ALIGN 08
- PROP ALTERNATIVE CURVE ALIGN 09
- PROPOSED SIDEPATH
- 100 YEAR FLOODPLAIN

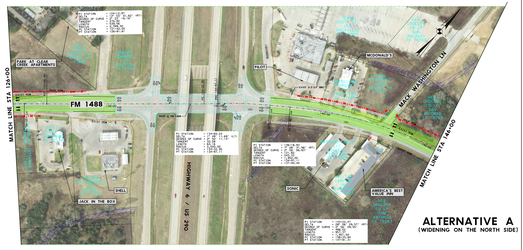


TYPICAL SECTION - EXISTING

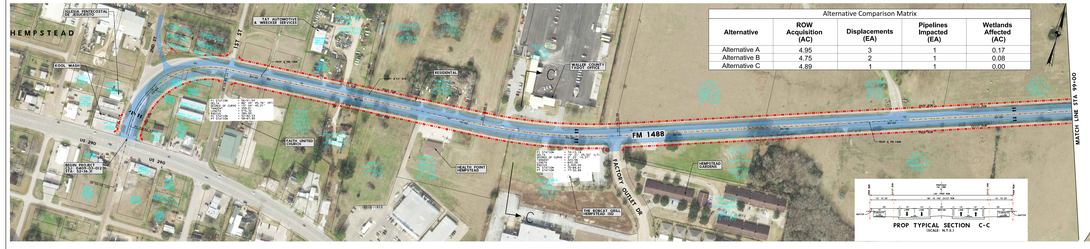
rps
Texas PE Firm Reg. #F-929
1160 Dairy Ashford, Suite 500, Houston, Texas 77079
T +1 281 589 7257 E usinfrastructure@rpsgroup.com





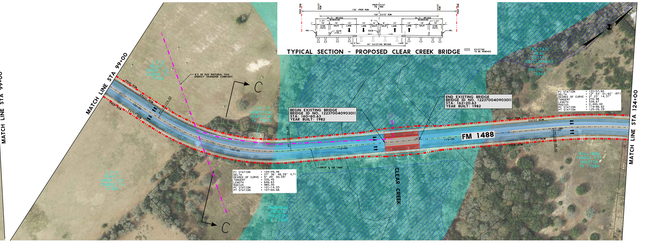


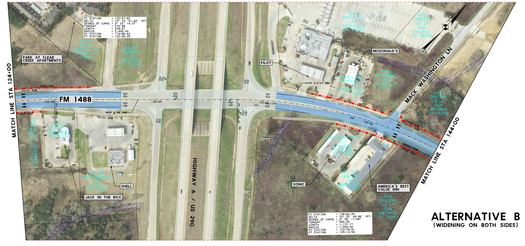
ALTERNATIVE A
(WIDENING ON THE NORTH SIDE)



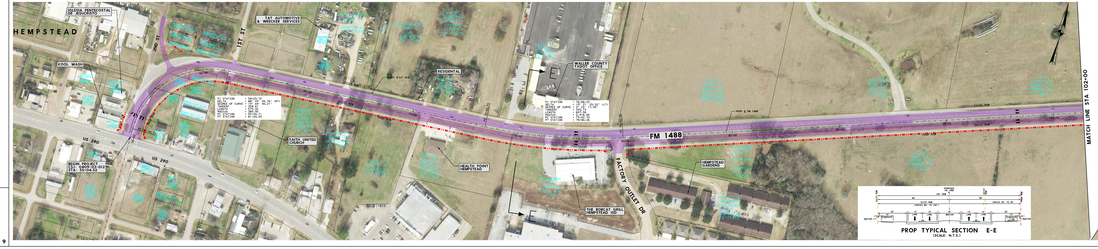
Alternative	ROW Acquisition (AC)	Displacements (EA)	Pipelines Impacted (EA)	Wetlands Affected (AC)
Alternative A	4.95	3	1	0.17
Alternative B	4.75	2	1	0.08
Alternative C	4.89	1	1	0.00

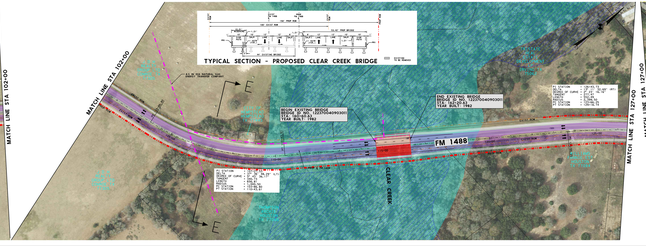
Alternative Comparison Matrix

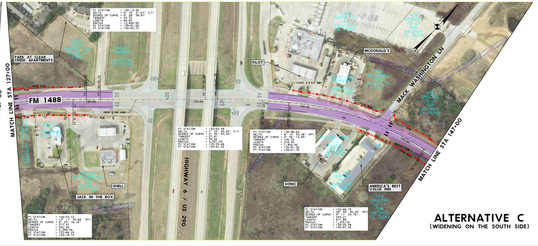




ALTERNATIVE B
(WIDENING ON BOTH SIDES)







ALTERNATIVE C
(WIDENING ON THE SOUTH SIDE)