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 45 MPH RURAL 45 MPH	COLLECTOR (ARTERIAL)	

0 100 200 300 400
SCALE: IN : 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
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1160 Dairy Ashford, Suite 500, Houston, Texas 77079
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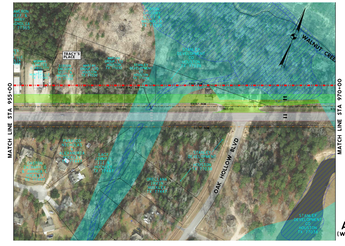
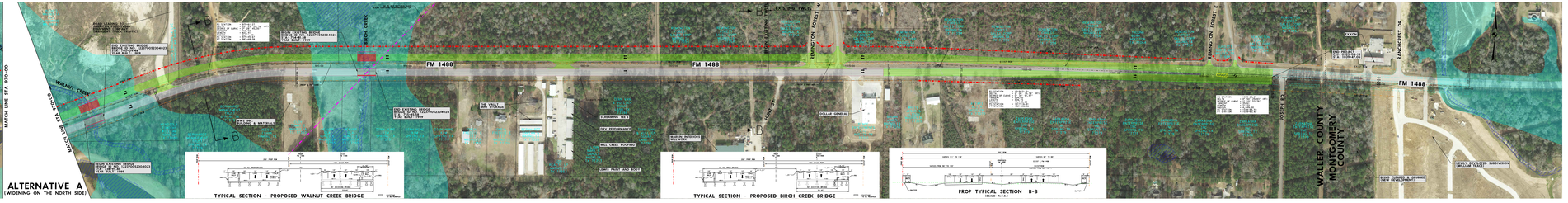
ROLL 9 OF 9



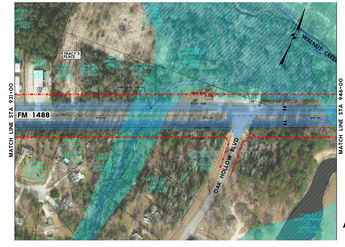


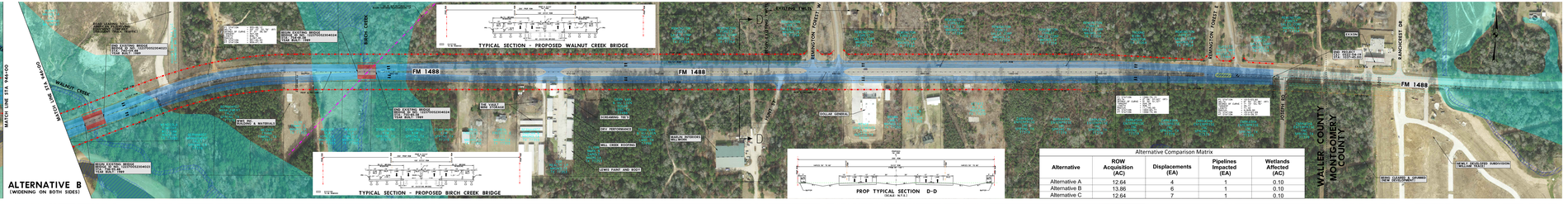
ALTERNATIVE A
(WIDENING ON THE NORTH SIDE)

TYPICAL SECTION - PROPOSED WALNUT CREEK BRIDGE

TYPICAL SECTION - PROPOSED BIRCH CREEK BRIDGE

PROP TYPICAL SECTION B-B
(SCALE: N.T.S.)





ALTERNATIVE B
(WIDENING ON BOTH SIDES)

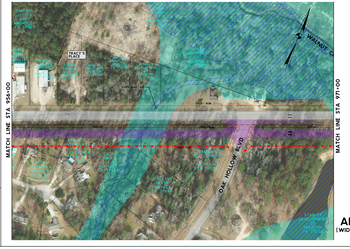
TYPICAL SECTION - PROPOSED WALNUT CREEK BRIDGE

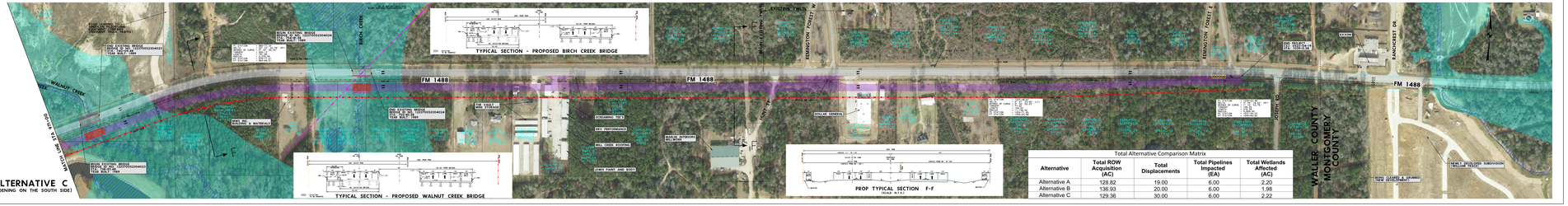
TYPICAL SECTION - PROPOSED BIRCH CREEK BRIDGE

PROP TYPICAL SECTION D-D
(SCALE: N.T.S.)

Alternative Comparison Matrix

Alternative	ROW Acquisition (AC)	Displacements (EA)	Pipelines Impacted (EA)	Wetlands Affected (AC)
Alternative A	12.64	4	1	0.10
Alternative B	13.86	6	1	0.10
Alternative C	12.64	7	1	0.10





ALTERNATIVE C
(WIDENING ON THE SOUTH SIDE)

TYPICAL SECTION - PROPOSED WALNUT CREEK BRIDGE

TYPICAL SECTION - PROPOSED BIRCH CREEK BRIDGE

PROP TYPICAL SECTION F-F
(SCALE: N.T.S.)

Total Alternative Comparison Matrix

Alternative	Total ROW Acquisition (AC)	Total Displacements	Total Pipelines Impacted (EA)	Total Wetlands Affected (AC)
Alternative A	128.82	19.00	6.00	2.20
Alternative B	136.93	20.00	6.00	1.98
Alternative C	129.36	30.00	6.00	2.22