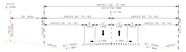
SHEET 1 OF 5: US 90 ALTERNATIVES - FROM I-10 (STA. 37+45) TO WEST OF WALLER AVE (STA. 157+00)

US 90 - I-10 TO FM 1463 - AT-GRADE ROW ALTERNATIVES

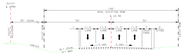
PRELIMINARY SUBJECT TO CHANGE

EXISTING TYPICALS SECTIONS

FROM I-10 TO KENNEY ST



EXISTING US 90 TYPICAL SECTION
FROM I-10 TO KENNEY ST
NOT TO SCALE

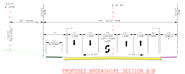


EXISTING US 90 TYPICAL SECTION
FROM KENNEY ST TO WALLER
NOT TO SCALE

PROPOSED TYPICAL SECTIONS

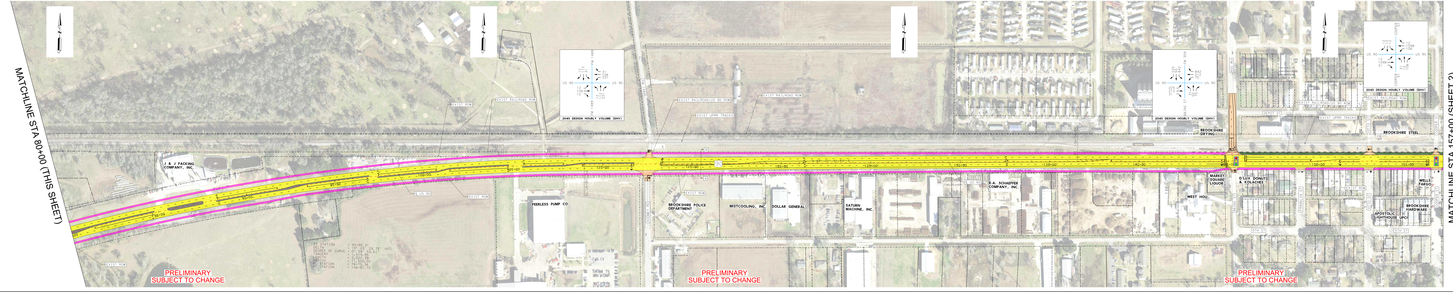
FROM I-10 (AT DONIGAN RD) TO KENNEY ST
(NO ADDITIONAL ROW REQUIRED)

PROPOSED URBAN TYPICAL SECTION A-A
W/ 6 LANE DIVIDED ARTERIAL
W/ CURB & GUTTER AND SIDEWALKS
NOT TO SCALE
NOT WALKABLE



PROPOSED BROOKSHIRE SECTION B-B
CONNECTING BROOKSHIRE TO KENNEY ST
W/ BICYCLE & PEDESTRIAN MOBILITY TO KENNEY ST
NOT TO SCALE
NOTE: CURB & GUTTER

I-10 (AT DONIGAN RD) TO WEST OF WALLER AVE
MAINTAIN EXISTING ROW



LEGEND

DESCRIPTION	SYMBOLOGY	WEIGHT	COLOR CODE
ALIGNMENT ℄ / ℞	- - - - -	2	RED-255
EXISTING ROW	----------	2	BLACK-(0)
EXISTING PARCEL BOUNDARY	----------	2	BLACK-(0)
PROPOSED ROW	- - - - -	4	BLACK-(0)
PROPOSED SOLID STRIPING	————	1	BLACK-(0)
PROPOSED BROKEN STRIPING	- - - -	1	BLACK-(0)

COLORFILL LEGEND

- PROPOSED ROW ALTERNATIVE 1
- PROPOSED ROW ALTERNATIVE 2
- PROPOSED MAINLANES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED CROSSING STREETS/ MAJOR DRIVEWAYS
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED BIKEWAY
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT TO BE OVERLAYED
- I-10 WIDENING (BY OTHERS)
- POTENTIAL DISPLACEMENTS

SYMBOL LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXISTING SIGNAL
- EXISTING FLASHING RED SIGNAL

FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL
DESIGN SPEED: 45 MPH

2020	(14,200)	ADT
2030	(17,000)	ADT
2045	(21,100)	ADT

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PRELIMINARY
NOT FOR CONSTRUCTION
NOT FOR BIDDING
NOT FOR RECORDING PURPOSES

AECOM
2500 TANNER PARKWAY, SUITE 300
LEWISVILLE, TEXAS 75056
(972) 315-9000

US 90 CORRIDOR STUDY
SCHEMATIC SUMMARY

SCALE: NONE

Texas Department of Transportation

HOUSTON DISTRICT

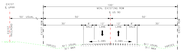
PROJECT LIMITS:
WALLER AND FORT BEND COUNTIES
CSJ: 0911-00-188
CSJ: 0911-00-189
CSJ: 0911-00-913

FORM TYPE:
PROJECT LENGTH: 16.36 MILES

Date: 01/30/2020

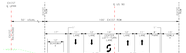
SHEET 2 OF 5: US 90 ALTERNATIVES - FROM WEST OF WALLER AVE (STA. 157+00) TO EAST OF WOODS RD (STA. 267+00)

EXISTING TYPICAL SECTION

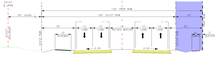


EXISTING US 90 TYPICAL SECTION
SCALE: 1" = 10'-0"

ALTERNATIVE 1 TYPICAL SECTIONS



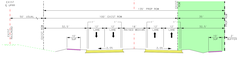
PROPOSED BROOKSHIRE SECTION B-B
FROM: STA. 157+00 TO STA. 160+00
SCALE: 1" = 10'-0" HORIZONTAL
1" = 5'-0" VERTICAL



PROPOSED URBAN SECTION C-C
FROM: STA. 160+00 TO STA. 167+00
SCALE: 1" = 10'-0" HORIZONTAL
1" = 5'-0" VERTICAL

ALTERNATIVE 2 TYPICAL SECTIONS

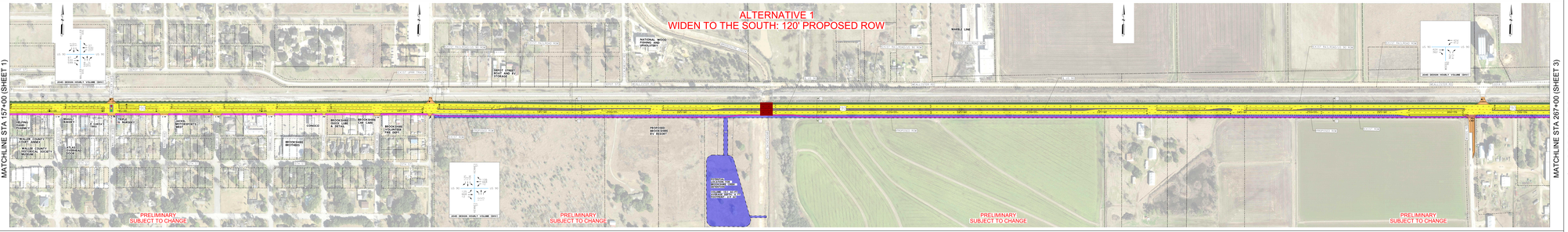
PROPOSED BROOKSHIRE SECTION B-B
FROM: STA. 157+00 TO STA. 160+00
SCALE: 1" = 10'-0" HORIZONTAL
1" = 5'-0" VERTICAL



PROPOSED URBAN SECTION D-D
FROM: STA. 160+00 TO STA. 167+00
SCALE: 1" = 10'-0" HORIZONTAL
1" = 5'-0" VERTICAL

ALTERNATIVE 1
WIDEN TO THE SOUTH: 120' PROPOSED ROW

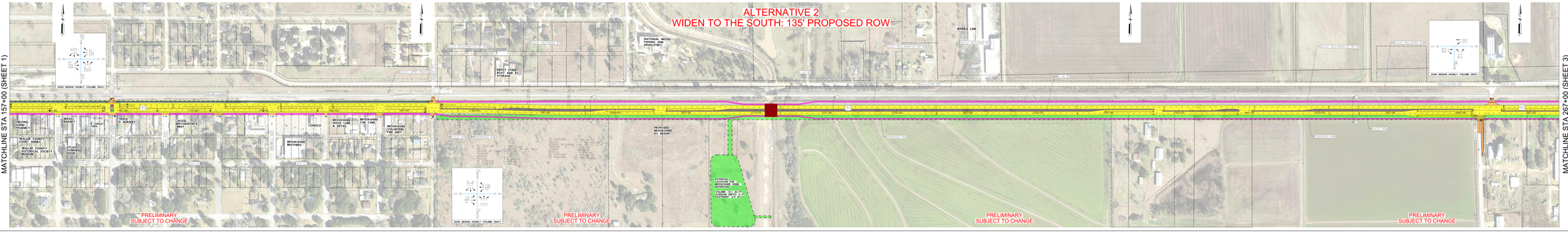
MATCHLINE STA 157+00 (SHEET 1)



MATCHLINE STA 267+00 (SHEET 3)

ALTERNATIVE 2
WIDEN TO THE SOUTH: 135' PROPOSED ROW

MATCHLINE STA 157+00 (SHEET 1)



MATCHLINE STA 267+00 (SHEET 3)

LEGEND

DESCRIPTION	SYMBOLOGY	WEIGHT	COLOR CODE
ALIGNMENT ℄ / ⅊	- - - - -	2	RED 150
EXISTING ROW	————	2	BLACK-100
EXISTING PARCEL BOUNDARY	————	2	BLACK-100
PROPOSED ROW	————	4	BLACK-100
PROPOSED SOLID STRIPING	————	1	BLACK-100
PROPOSED BROKEN STRIPING	- - - -	1	BLACK-100

COLORFILL LEGEND

- PROPOSED ROW ALTERNATIVE 1
- PROPOSED ROW ALTERNATIVE 2
- PROPOSED MAINLANES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED CROSSING STREETS/ MAJOR DRIVEWAYS
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED BIKEWAY
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT TO BE OVERLAYED
- I-10 WIDENING (BY OTHERS)
- POTENTIAL DISPLACEMENTS

SYMBOL LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXISTING SIGNAL
- EXISTING FLASHING RED SIGNAL

FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL
DESIGN SPEED: 45 MPH

2020	(14,200)	ADT
2030	(17,000)	ADT
2045	(21,100)	ADT

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PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

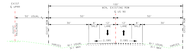
AECOM
TEXAS REGISTERED ENGINEERING FIRM F-3580
US 90 CORRIDOR STUDY
SCHEMATIC SCHEMATIC

Texas Department of Transportation
HOUSTON DISTRICT

PROJECT
WALLER AND FORT BEND COUNTIES
CSJ: 0911-36-188
CSJ: 0911-00-193
FOM: 0912-00-001
ROUTE
FROM TO
US 90 I-10
PROJECT LENGTH: 10.36 MILES

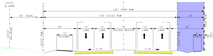
SHEET 3 OF 5: US 90 ALTERNATIVES - FROM EAST OF WOODS RD (STA. 267+00) TO WEST OF PEDERSON RD (STA. 377+00)

EXISTING
TYPICAL SECTION



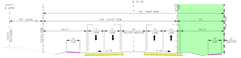
EXISTING US 90 TYPICAL SECTION
HORIZ: 1" = 10' VERT: 1" = 2'

ALTERNATIVE 1
TYPICAL SECTION



PROPOSED URBAN SECTION C-C
ALTERNATIVE 1 BETWEEN STA 267+00 TO STA 377+00
HORIZ: 1" = 10' VERT: 1" = 2'

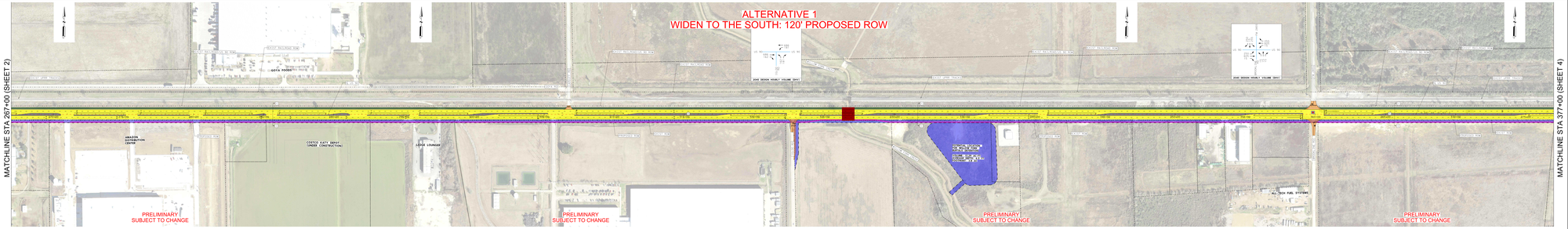
ALTERNATIVE 2
TYPICAL SECTION



PROPOSED URBAN SECTION D-D
ALTERNATIVE 2 BETWEEN STA 267+00 TO STA 377+00
HORIZ: 1" = 10' VERT: 1" = 2'

ALTERNATIVE 1
WIDEN TO THE SOUTH: 120' PROPOSED ROW

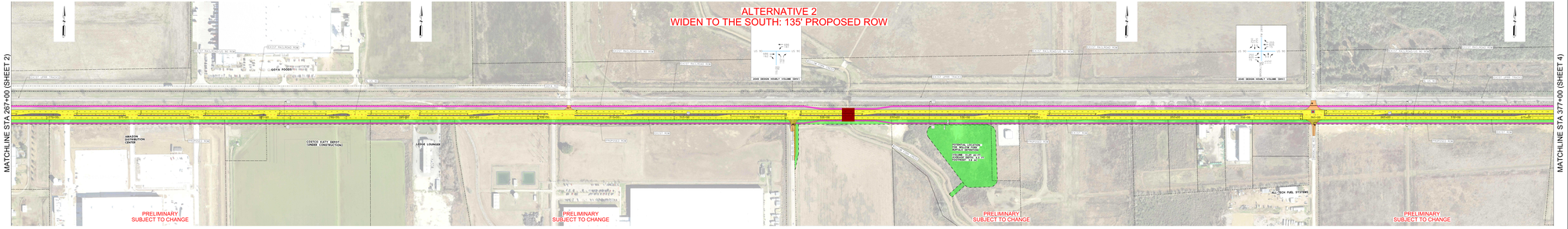
MATCHLINE STA 267+00 (SHEET 2)



MATCHLINE STA 377+00 (SHEET 4)

ALTERNATIVE 2
WIDEN TO THE SOUTH: 135' PROPOSED ROW

MATCHLINE STA 267+00 (SHEET 2)



MATCHLINE STA 377+00 (SHEET 4)

VICINITY MAP
N.T.S.

SCALE

LEGEND

DESCRIPTION	SYMBOLOGY	WEIGHT	COLOR CODE
ALIGNMENT ℄ / ⅊	- - - - -	2	RED-255
EXISTING ROW	————	2	BLACK-(0)
EXISTING PARCEL BOUNDARY	—·—·—·—	2	BLACK-(0)
PROPOSED ROW	—·—·—·—	4	BLACK-(0)
PROPOSED SOLID STRIPING	————	1	BLACK-(0)
PROPOSED BROKEN STRIPING	- - - -	1	BLACK-(0)

COLORFILL LEGEND

- PROPOSED ROW ALTERNATIVE 1
- PROPOSED ROW ALTERNATIVE 2
- PROPOSED MAINLANES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED CROSSING STREETS/ MAJOR DRIVEWAYS
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED BIKEWAY
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT TO BE OVERLAYED
- I-10 WIDENING (BY OTHERS)
- POTENTIAL DISPLACEMENTS

SYMBOL LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXISTING SIGNAL
- EXISTING FLASHING RED SIGNAL

FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL
DESIGN SPEED: 45 MPH

2020	(14,200)	ADT
2030	(17,000)	ADT
2045	(21,100)	ADT

NOT A BIDDING DOCUMENT	AECOM
1-800-DIGSTEXAS (1-800-344-7839)	2500 CENTRAL PARKWAY, SUITE 200 HOUSTON, TEXAS 77092
FOR NOTIFICATION PRIOR TO EXCAVATION	US 90 CORRIDOR STUDY
PROJECT ENGINEER:	SCHEMATIC SCHEMATIC
THIS PLAN IS ONLY AT A SCALE OF 1" = 10' IF THE BAR BELOW MEASURES 1" ON THE PAPER	

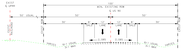
Texas Department of Transportation

HOUSTON DISTRICT

PROJECT LIMITS:
WALLER AND FORT BEND COUNTIES
CSJ: 0911-36-198
CSJ: 0911-00-080
CSJ: 0912-00-031
FM 1463
FM 1093
PROJECT LENGTH: 10.36 MILES

SHEET 4 OF 5: US 90 ALTERNATIVES - FROM WEST OF PEDERSON RD (STA. 377+00) TO WEST OF CANE ISLAND PKWY (STA. 487+00)

EXISTING
TYPICAL SECTION



EXISTING US 90 TYPICAL SECTION
NOT TO SCALE

ALTERNATIVE 1
TYPICAL SECTION

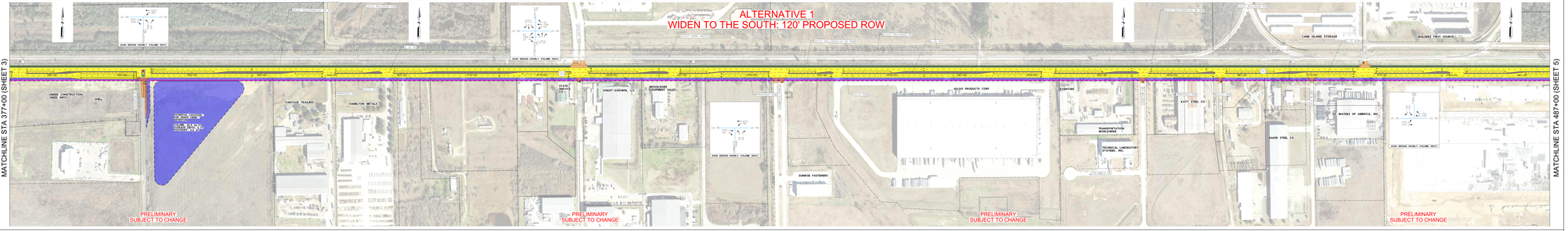
PROPOSED URBAN SECTION C-C
ALTERNATIVE 1 (WIDENING TO THE SOUTH)
NOT TO SCALE

ALTERNATIVE 2
TYPICAL SECTION

PROPOSED URBAN SECTION D-D
ALTERNATIVE 2 (WIDENING TO THE SOUTH)
NOT TO SCALE

ALTERNATIVE 1
WIDEN TO THE SOUTH: 120' PROPOSED ROW

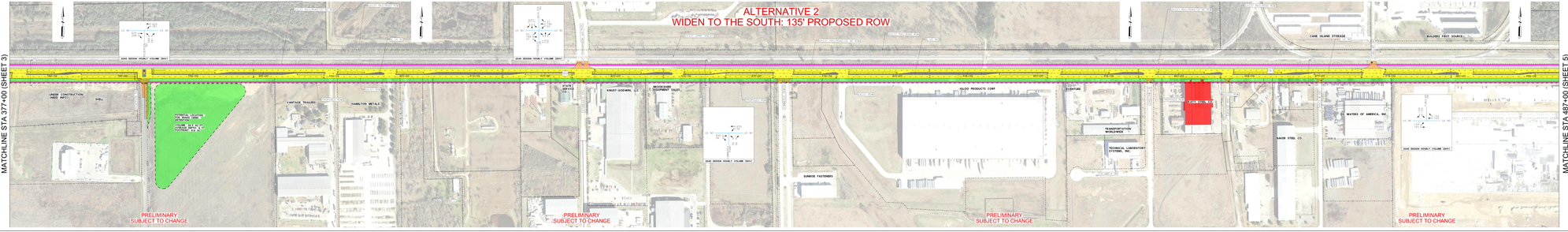
MATCHLINE STA 377+00 (SHEET 3)



MATCHLINE STA 487+00 (SHEET 5)

ALTERNATIVE 2
WIDEN TO THE SOUTH: 135' PROPOSED ROW

MATCHLINE STA 377+00 (SHEET 3)



MATCHLINE STA 487+00 (SHEET 5)

SCALE

LEGEND

DESCRIPTION	SYMBOLOGY	WEIGHT	COLOR CODE
ALIGNMENT ℄ / ℞		2	RED-255
EXISTING ROW		1	BLACK-(0)
EXISTING PARCEL BOUNDARY		2	BLACK-(0)
PROPOSED ROW		4	BLACK-(0)
PROPOSED SOLID STRIPING		1	BLACK-(0)
PROPOSED BROKEN STRIPING		1	BLACK-(0)

COLORFILL LEGEND

- PROPOSED ROW ALTERNATIVE 1
- PROPOSED ROW ALTERNATIVE 2
- PROPOSED MAINLANES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED CROSSING STREETS/ MAJOR DRIVEWAYS
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED BIKEWAY
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT TO BE OVERLAYED
- I-10 WIDENING (BY OTHERS)
- POTENTIAL DISPLACEMENTS

SYMBOL LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXISTING SIGNAL
- EXISTING FLASHING RED SIGNAL

FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL
DESIGN SPEED: 45 MPH

2020	(14,200)	ADT
2030	(17,000)	ADT
2045	(21,100)	ADT

NOT A BIDDING DOCUMENT
ALL DIMENSIONS ARE APPROXIMATE
FOR INFORMATION ONLY
PRELIMINARY
SUBJECT TO CHANGE
THIS PLAN IS PRELIMINARY AND IS SUBJECT TO CHANGE. THE ENGINEER IS NOT RESPONSIBLE FOR THE USE OF THIS DOCUMENT

AECOM
2101 CITYWEST BLVD., HOUSTON, TX 77042
US 90 CORRIDOR STUDY
SCHMITZ, SCHWARTZ

Texas Department of Transportation

HOUSTON DISTRICT

CONTROL:
WALLER AND FORT BEND COUNTIES
CSJ: 0911-36-195
CSJ: 0911-36-196
CSJ: 0911-00-003
FM 1463
PROJECT LENGTH: 15.16 MILES

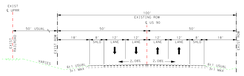
SHEET 4 OF 5

US 90 - I-10 TO FM 1463 - AT-GRADE ROW ALTERNATIVES

SHEET 5 OF 5: US 90 ALTERNATIVES - FROM WEST OF CANE ISLAND PKWY (STA. 487+00) TO FM 1463 (STA. 548+19)

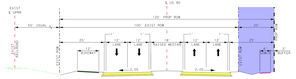
US 90 - I-10 TO FM 1463 - AT-GRADE ROW ALTERNATIVES

EXISTING TYPICAL SECTION

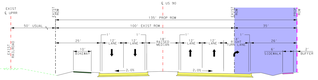


EXISTING US 90 TYPICAL SECTION
ADAMS ST TO FM 1463
N.T.S.

ALTERNATIVE 1 TYPICAL SECTIONS

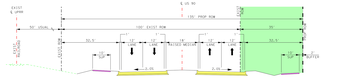


PROPOSED URBAN SECTION C-C
ALTERNATIVE 1 WIDEN TO SOUTH ROW
ADAMS ST TO ADAMS ST
N.T.S.

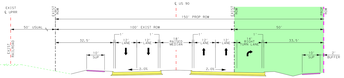


PROPOSED URBAN SECTION E-E
DEDICATED RIGHT TURN LANE
ADAMS ST TO FM 1463
N.T.S.

ALTERNATIVE 2 TYPICAL SECTIONS



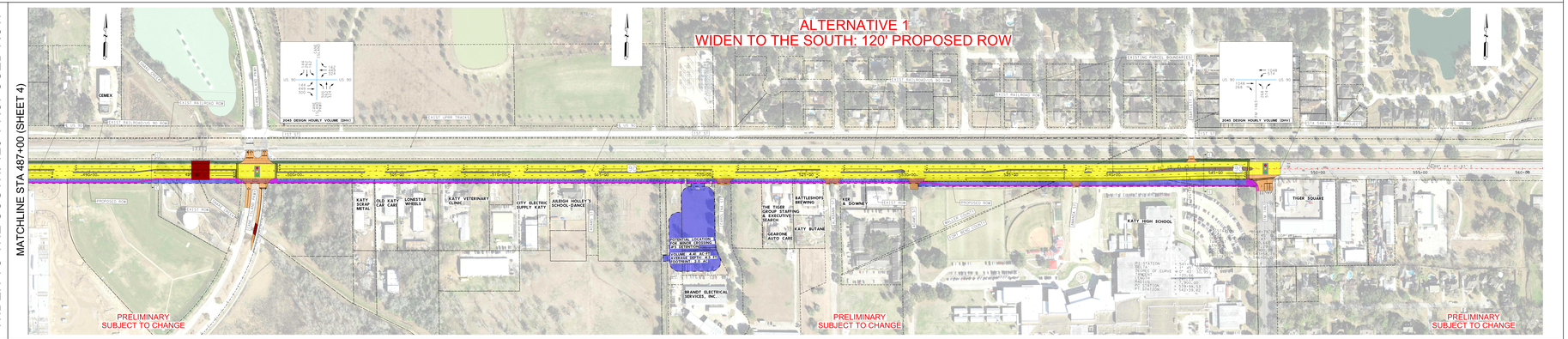
PROPOSED URBAN SECTION D-D
ALTERNATIVE 2 WIDENING TO SOUTH ROW
ADAMS ST TO ADAMS ST
N.T.S.



PROPOSED URBAN SECTION F-F
DEDICATED RIGHT TURN LANE
ADAMS ST TO FM 1463
N.T.S.

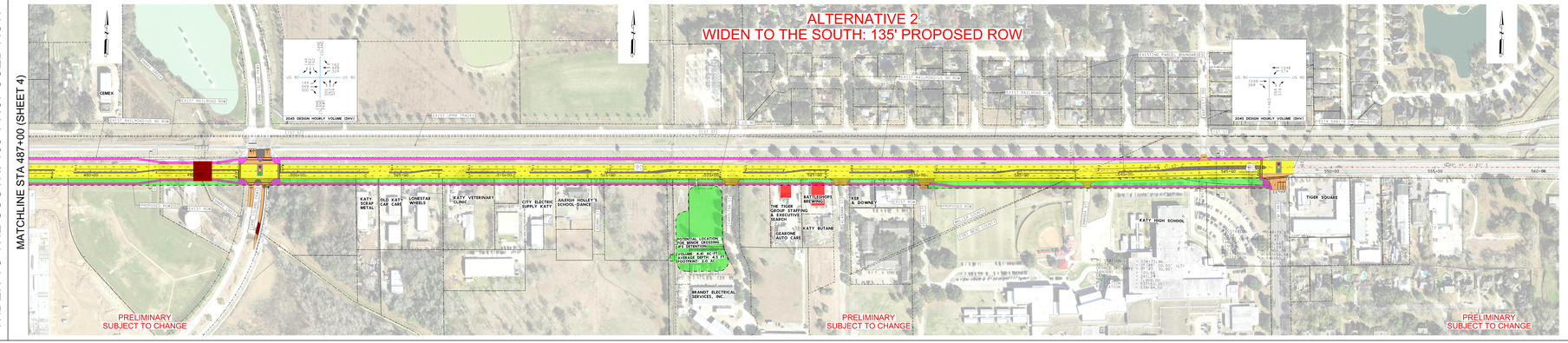
ALTERNATIVE 1
WIDEN TO THE SOUTH: 120' PROPOSED ROW

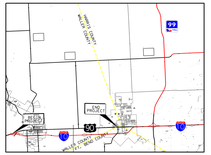
MATCHLINE STA 487+00 (SHEET 4)



ALTERNATIVE 2
WIDEN TO THE SOUTH: 135' PROPOSED ROW

MATCHLINE STA 487+00 (SHEET 4)





VICINITY MAP
N.T.S.

SCALE

LEGEND

DESCRIPTION	SYMBOLOGY	WEIGHT	COLOR CODE
ALIGNMENT ℄ / ⅊		2	RED (3)
EXISTING ROW		2	BLACK (0)
EXISTING PARCEL BOUNDARY		2	BLACK (0)
PROPOSED ROW		4	BLACK (0)
PROPOSED SOLID STRIPING		1	BLACK (0)
PROPOSED BROKEN STRIPING		1	BLACK (0)

COLORFILL LEGEND

- PROPOSED ROW ALTERNATIVE 1
- PROPOSED ROW ALTERNATIVE 2
- PROPOSED MAINLANES
- PROPOSED RAISED MEDIAN
- EXISTING/PROPOSED BRIDGE WIDENING
- PROPOSED CROSSING STREETS/ MAJOR DRIVEWAYS
- PROPOSED SIDEWALK/ SHARED USE PATH
- PROPOSED BIKEWAY
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT TO BE OVERLAYED
- I-10 WIDENING (BY OTHERS)
- POTENTIAL DISPLACEMENTS

SYMBOL LEGEND

- EXIST LANE DIRECTIONAL INDICATOR
- PROPOSED LANE DIRECTIONAL INDICATOR
- EXISTING SIGNAL
- EXISTING FLASHING RED SIGNAL

FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL
DESIGN SPEED: 45 MPH

2020	(14,200)	ADT
2030	(17,000)	ADT
2045	(21,100)	ADT

NOT A BIDDING DOCUMENT
N. BERNARD BLASKELL P.E.
TEXAS REGISTRATION NUMBER
PRELIMINARY
THIS PLAN IS FOR INTERIM REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES AND MAY NOT BE CONSTRUED AS FINAL.

AECOM
DESIGN TECHNICAL SERVICES, INC.
TEXAS REGISTERED ENGINEERING FIRM F-3580
TEXAS REGISTERED SURVEYING FIRM LSF-10194

US 90 CORRIDOR STUDY
GEOMETRIC SCHEMATIC
4/30/2020

Texas Department of Transportation

HOUSTON DISTRICT

CONCEPTUAL SCHEMATIC
WALLER AND FORT BEND COUNTIES
CSJ: 0271-09-025
CSJ: 0271-08-026
CSJ: 0271-10-041
US 90
FROM I-10
TO FM 1463
PROJECT LENGTH: 10.30 MILES

4/30/2020

PRELIMINARY SUBJECT TO CHANGE