

INDEX OF SHEETS

SEE SHEET NO 2-4 FOR DETAILED INDEX OF SHEETS

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

PROJ. NO.	PROJECT NO.		SHEET NO.
6	STP () RGS		1
STATE	DIST.	COUNTY	
TEXAS	HOU	FT BEND	
CONT.	SECT.	JOB	HIGHWAY NO.
0027	07	032	US 90A

DESIGN SPEED = 40 MPH
2014 ADT = 33,160
2034 ADT = 45,427

PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT

PROJECT NO. : STP () RGS

CSJ NO: 0027-07-032

COUNTY: FORT BEND

US 90A

PRELIMINARY
ISSUED FOR 100 % REVIEW

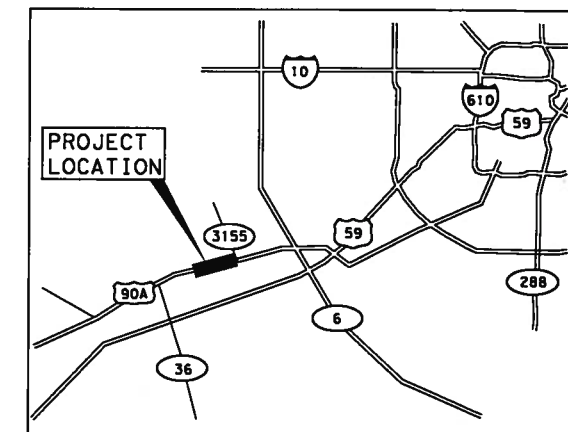
TDLR INSPECTION REQUIRED

CNTR-SEC-JOB	ROADWAY LENGTH	BRIDGE LENGTH	NET LENGTH
0027-07-032	2008.50 FT 0.380 MI	1135.00 FT 0.215 MI	3143.50 FT 0.595 MI

COMBINED PROJECT LENGTH = 3143.50 FT = 0.595 MI

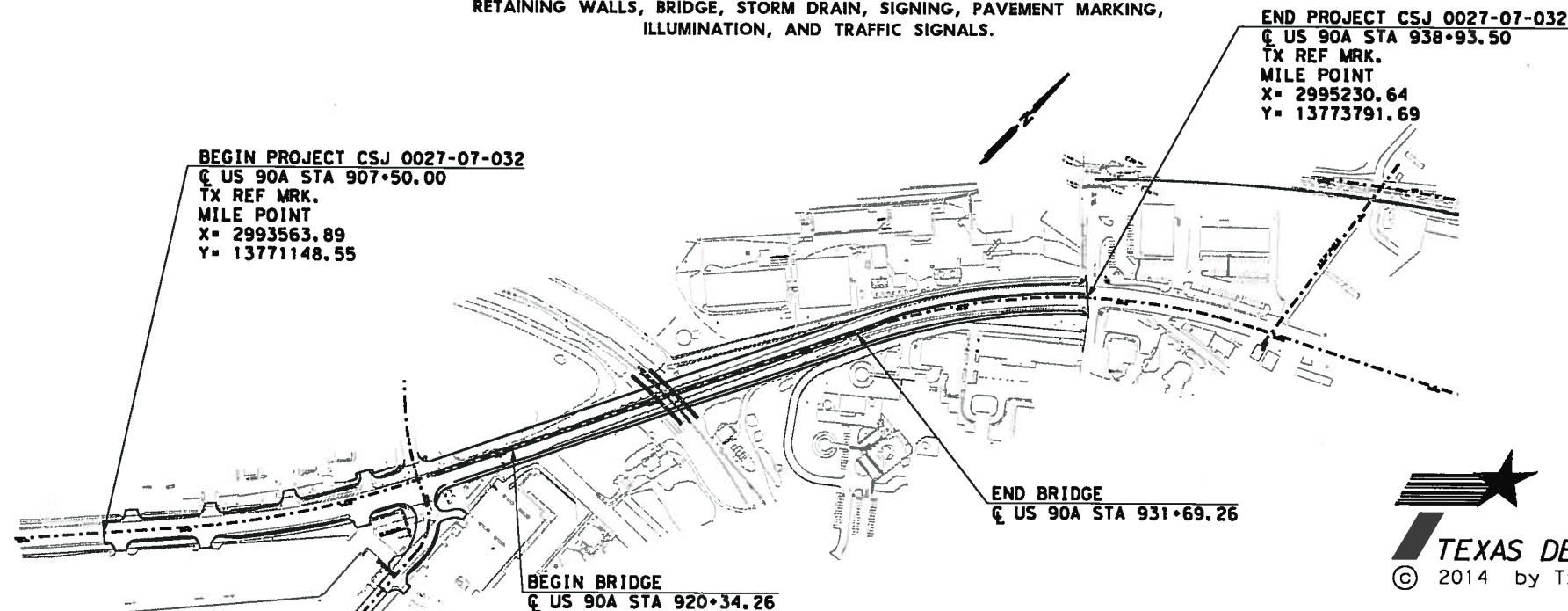
LIMITS: FROM FM 3155 TO 0.21 MILES WEST OF LANE DRIVE

FOR THE CONSTRUCTION OF THE BRIDGE REPLACEMENT OF AN EXISTING FACILITY
CONSISTING OF CONCRETE PAVEMENT, CEMENT STABILIZED BASE, LIME TREATED SUBGRADE,
RETAINING WALLS, BRIDGE, STORM DRAIN, SIGNING, PAVEMENT MARKING,
ILLUMINATION, AND TRAFFIC SIGNALS.



VICINITY MAP

(N. T. S.)



PROJECT LAYOUT MAP

(N. T. S.)



TEXAS DEPARTMENT OF TRANSPORTATION

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NOTES:

ALL CURVES BASED ON ARC DEFINITION.
HORIZONTAL CONTROL IS BASED UPON NAD 83 TEXAS SOUTH
CENTRAL ZONE. (1993 ADJ.)
VERTICAL CONTROL IS BASED UPON NAVD 88 (1991 ADJ.)
ALL BEARING AND COORDINATES ARE BASED UPON THE TEXAS
STATE PLANE COORDINATES SYSTEM, (NAD 83) (1993 ADJ.)
SOUTH CENTRAL ZONE ALL DISTANCES AND COORDINATES SHOWN
ARE SURFACE AND MAY BE CONVERTED TO GRID BY MULTIPLYING
BY A COMBINED ADJUSTMENT FACTOR OF 1.00013.

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION,
JUNE 1, 2004 AND THE SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS,
SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS, FEDERAL-AID
CONSTRUCTION CONTRACTS (FORM FHWA 1273, MAY, 2012).

EQUATIONS - NONE
EXCEPTIONS - NONE
RAILROAD CROSSINGS - BNSF RR

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SUBMITTED FOR LETTING

PROJECT MANAGER

RECOMMENDED FOR LETTING

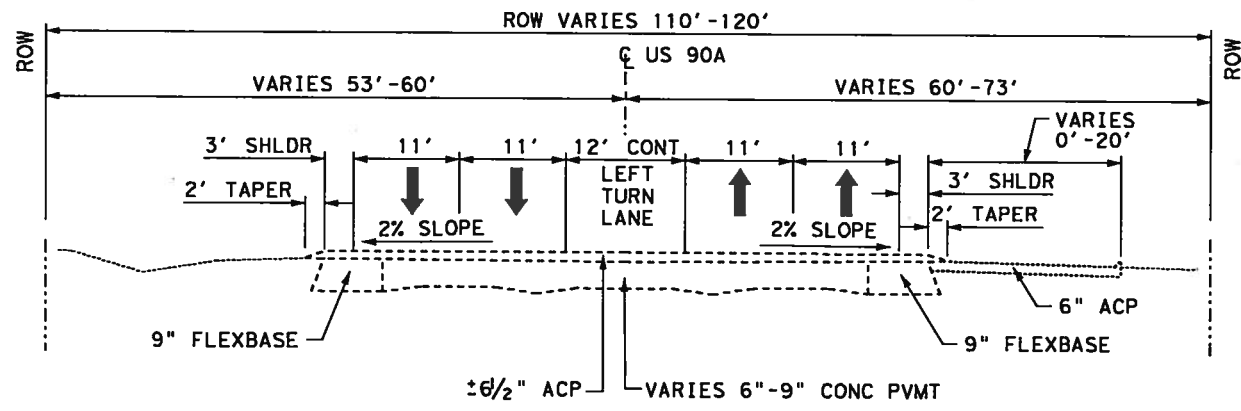
DISTRICT ENGINEER

COUNTY NO. _____
PROJ. NO. _____
HWY. NO. _____
DATE ACCEPTED _____
LETTING DATE _____

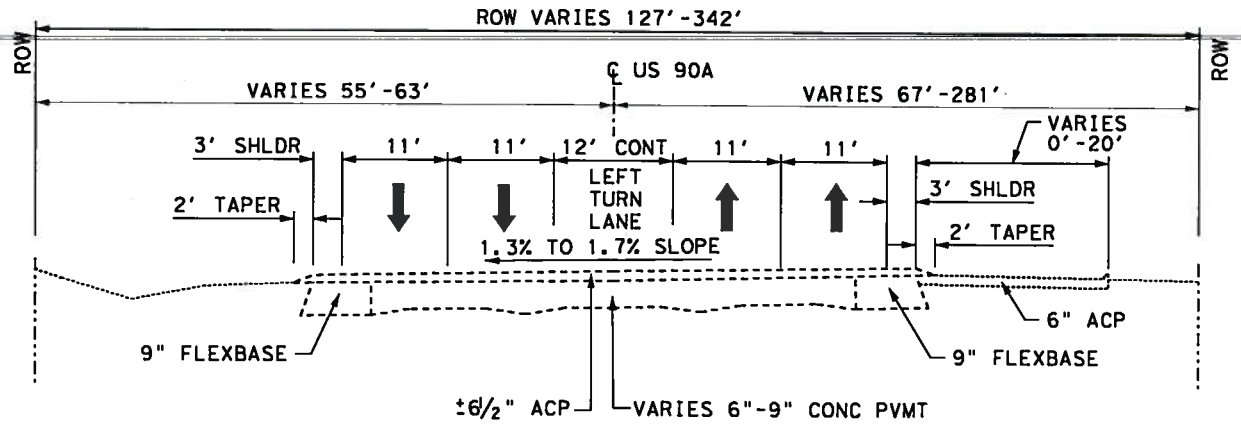
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100% SUBMITTAL

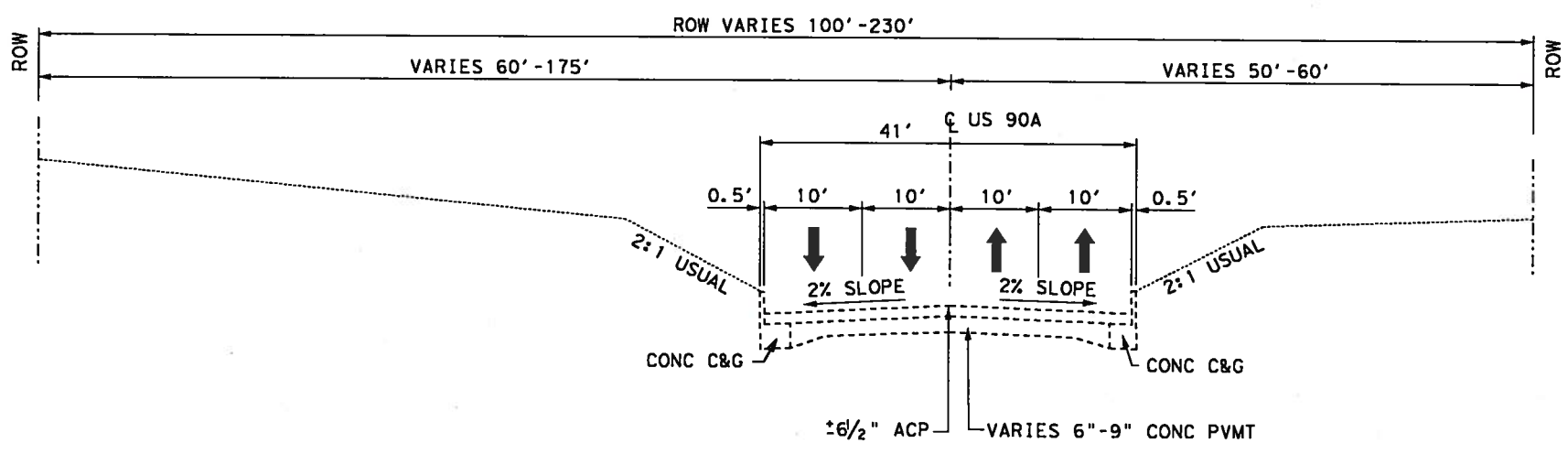
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EXISTING US 90A TYP-SEC
BEGIN PROJECT TO STA 914+50

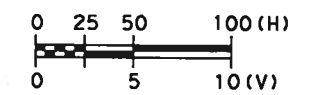


EXISTING US 90A TYP-SEC
STA 914+50 TO STA 920+50



EXISTING US 90A TYP-SEC
STA 920+50 TO STA 931+50

PRELIMINARY-100%
SUBMITTED FOR INTERIM REVIEW
Under the authority of:
JORGE L. VILLALTA, P.E. No. 107817
Date: 3/26/2014 IT IS NOT TO BE
USED FOR CONSTRUCTION, BIDDING
OR PERMIT PURPOSES



AECOM AECOM TECHNICAL SERVICES, INC.
5444 WESTHEIMER RD., SUITE 200
HOUSTON, TEXAS 77056
WWW.AECOM.COM
TBPE REG. NO. F-3580



US 90A

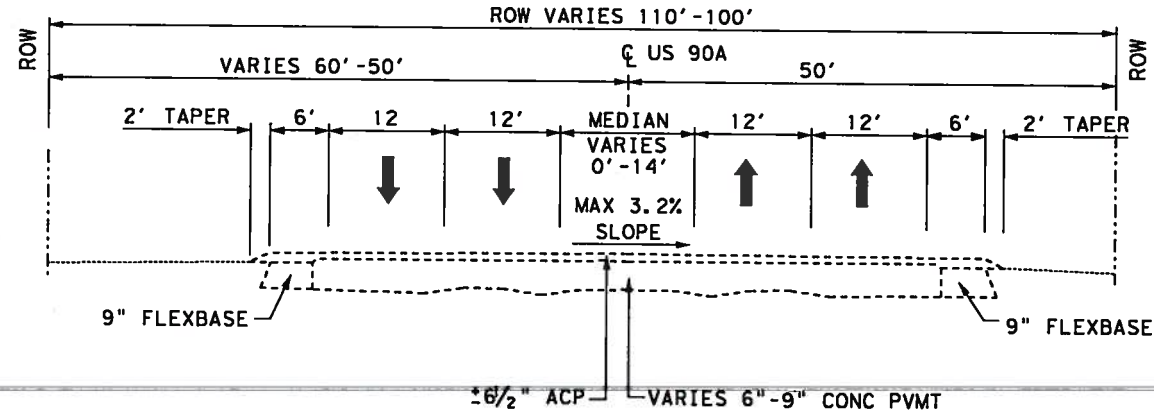
EXISTING TYPICAL
SECTIONS

SHEET 1 OF 2

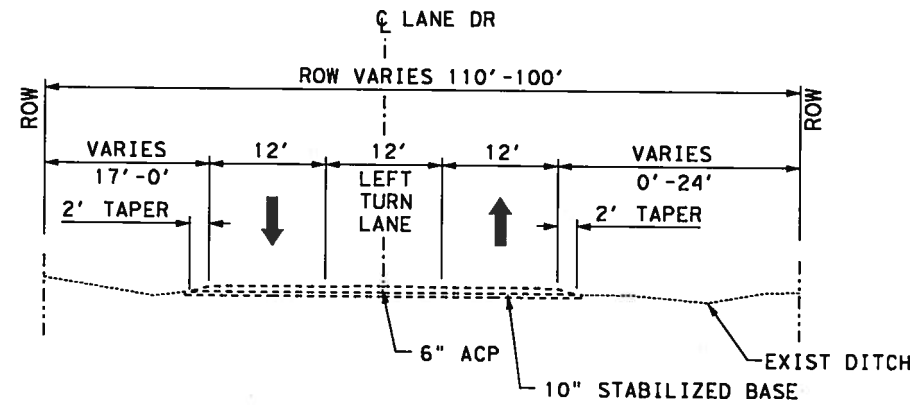
FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.	
6		5	
STATE	DIST.	COUNTY	
TEXAS	HOU.	FORT BEND	
CONT.	SECT.	JOB	HIGHWAY NO.
0027	07	032	US 90A

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
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100% SUBMITTAL

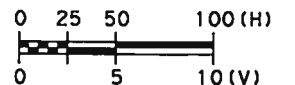


EXISTING US 90A TYP-SEC
STA 931+50 TO STA 938+93.50



EXISTING LANE DRIVE TYP-SEC
STA 11+74.81 TO STA 15+04.02

PRELIMINARY-100%
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Under the authority of:
JORGE L. VILLALTA, P.E. No.107817
Date: 3/26/2014 IT IS NOT TO BE
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5444 WESTHEIMER RD., SUITE 200
HOUSTON, TEXAS 77056
WWW.AECOM.COM
TBPE REG. NO. F-3580



US 90A
EXISTING TYPICAL SECTIONS

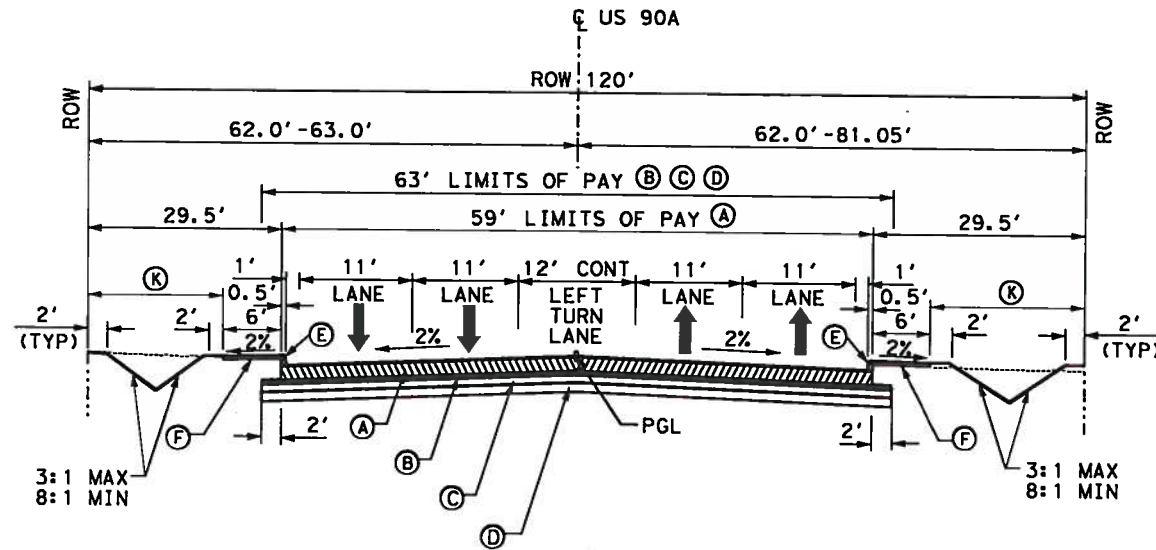
SHEET 2 OF 2

FED. RD. DIV. NO.	PROJECT NO.		SHEET NO.
6			6
STATE	DIST.	COUNTY	
TEXAS	HOU.	FORT BEND	
CONT.	SECT.	JOB	HIGHWAY NO.
0027	07	032	US 90A

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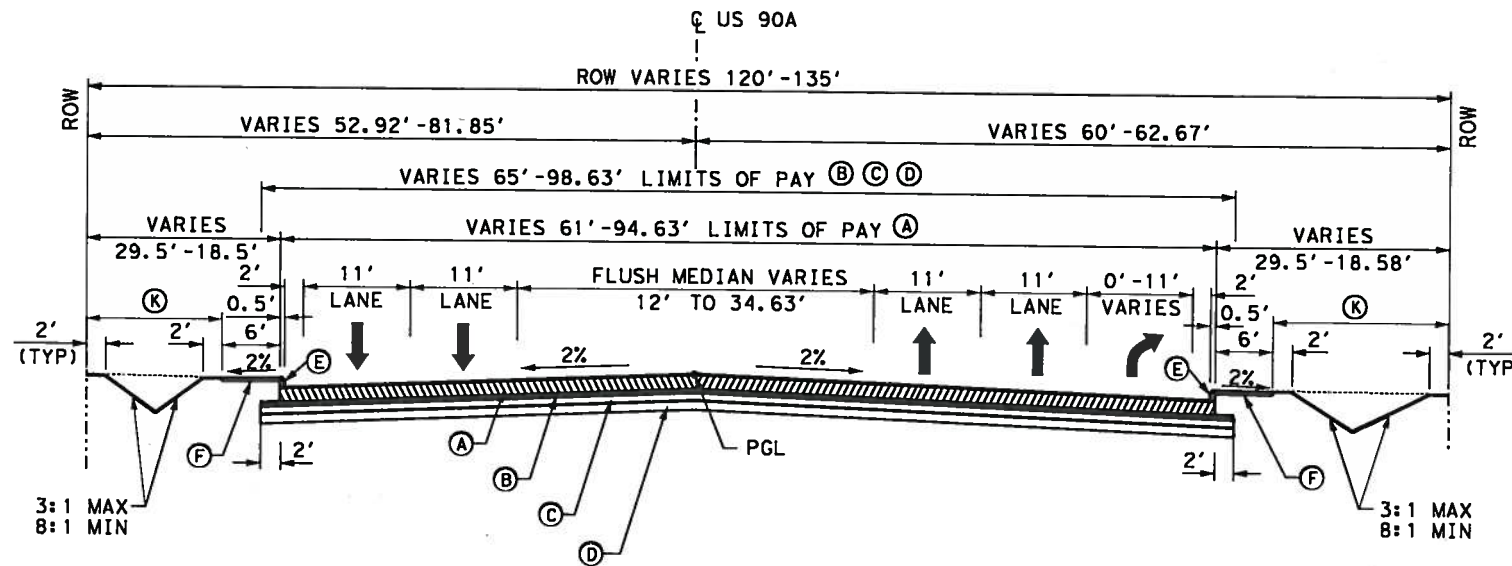
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100% SUBMITTAL



PROPOSED US 90A TYP-SEC
BEGIN PROJECT TO STA 910+08.14

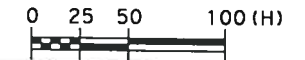
- LEGEND**
- (A) 11" CRCP
 - (B) 1" ASB
 - (C) 6" CEMENT TREATED BASE
 - (D) 6" LTS
 - (E) MONO CURB (TY II)
 - (F) 4" CONC SIDEWALK
 - (G) RETAINING WALL (MSE) (HORIZ SCHEM)
 - (H) C402
 - (I) C402 (MOD)
 - (J) 6" CONC RIPRAP (CL B)
 - (K) BLOCK SOD
 - (L) DRILL SEED (PERM) (URBAN) (SANDY)
 - (M) REINFORCED VOLUME
 - (N) EMBANKMENT
 - (O) DRIVEWAYS 6" CONC.
 - (P) CHAIN LINK FENCE (6')
 - (Q) 4" CONC RIPRAP (CL B)
 - (R) TYPE 1 CURB RAMP AND LANDING
 - (S) TYPE B CURB RAMP AND LANDING
 - (T) TYPE 10 CURB RAMP AND LANDING
 - (U) CLASS 5 CONC (BRIDGE MEDIAN)
 - (V) MONO CURB (TY II) W/ DRAIN SLOTS
 - (W) 4" CEMENT STABILIZED RIPRAP
 - (X) DRIVEWAY NO.



PROPOSED US 90A TYP-SEC
STA 910+08.14 TO STA 918+00

PRELIMINARY-100%
SUBMITTED FOR INTERIM REVIEW
Under the authority of:
JORGE L. VILLALTA, P.E. No. 107817
Date: 3/26/2014 IT IS NOT TO BE
USED FOR CONSTRUCTION, BIDDING
OR PERMIT PURPOSES

NOTE:
FOR THIS TYPICAL SECTION PAY
SCHEDULE 2 WILL BE USED FOR
THE ITEM "RIDE QUALITY OF
PAVEMENT SURFACES"



AECOM
AECOM TECHNICAL SERVICES, INC.
5444 WESTHEIMER RD., SUITE 20K
HOUSTON, TEXAS 77056
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US 90A

PROPOSED TYPICAL
SECTIONS

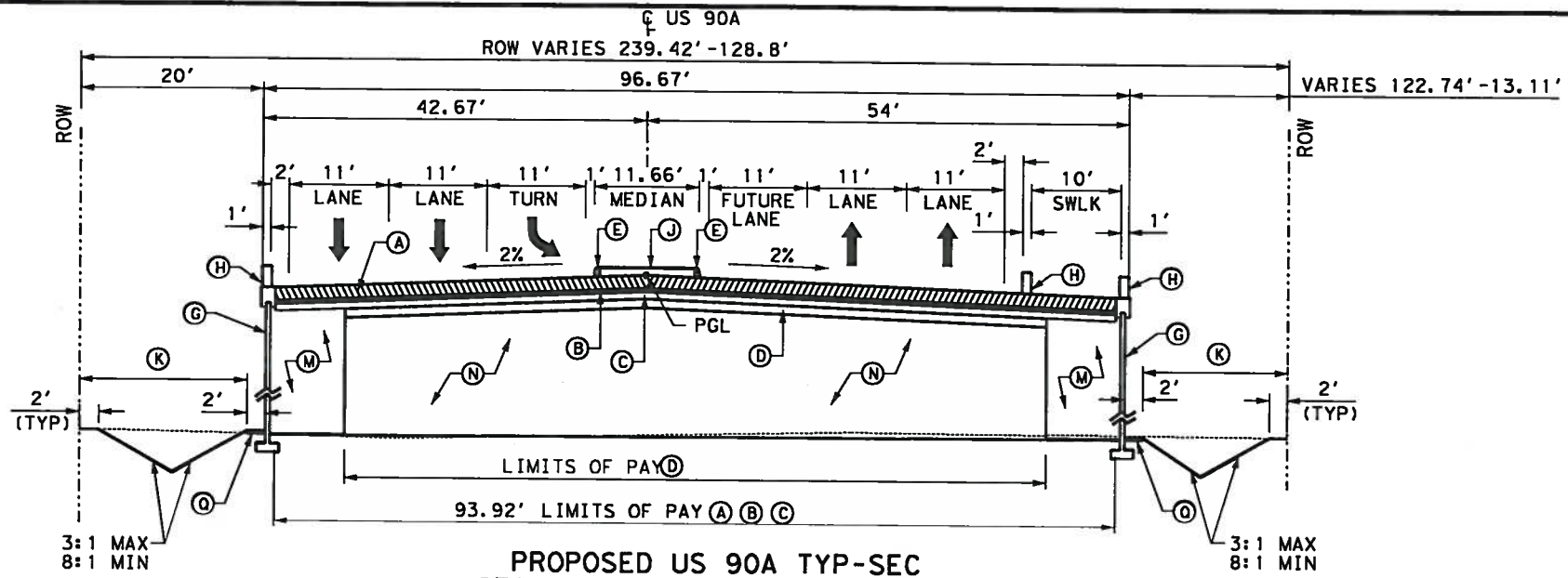
SHEET 1 OF 4

FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.
6		7
STATE	DIST.	COUNTY
TEXAS	HOU.	FORT BEND
CONT.	SECT.	JOB
0027	07	032
		HIGHWAY NO.
		US 90A

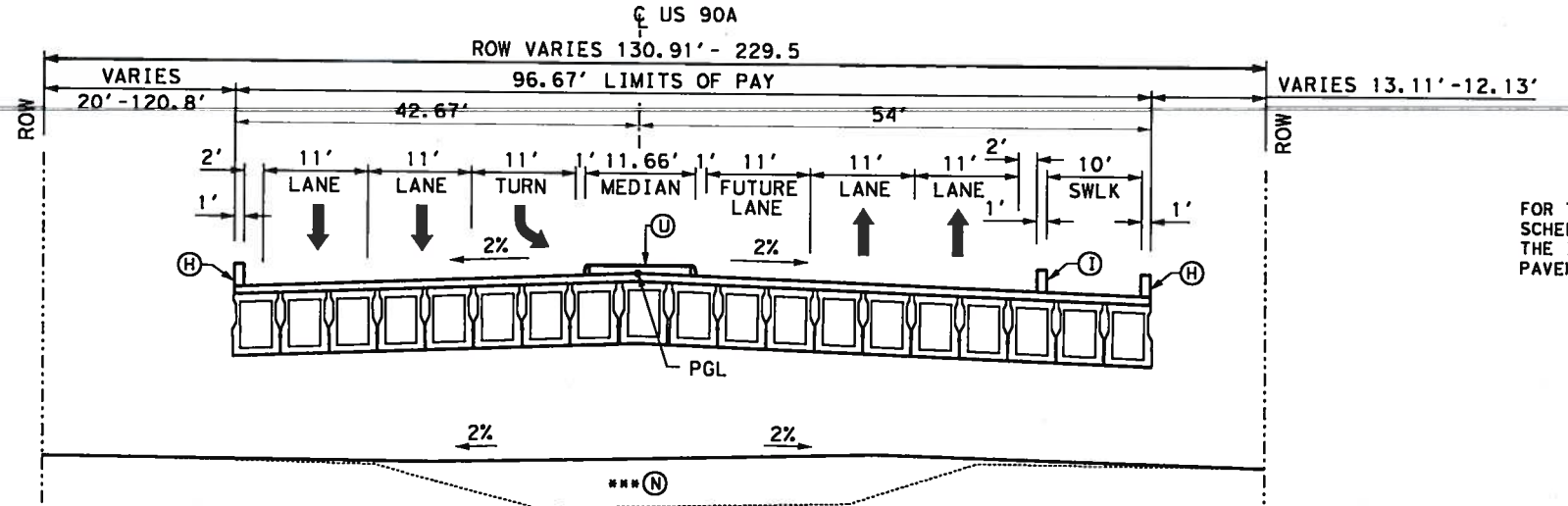
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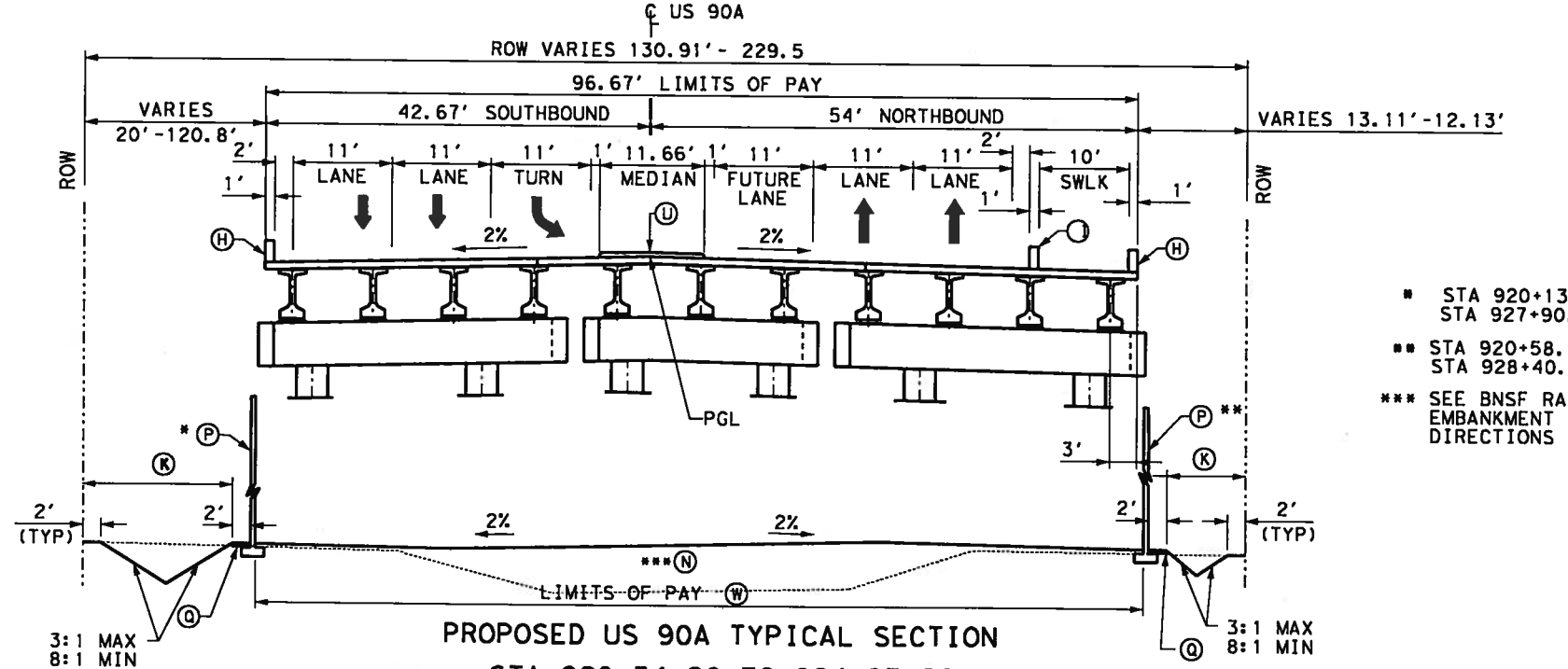
100% SUBMITTAL



PROPOSED US 90A TYP-SEC
STA 918+00 TO STA 920+34.26



PROPOSED US 90A TYP-SEC
STA 924+83.26 TO STA 926+03.26

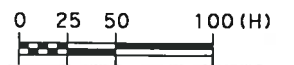


PROPOSED US 90A TYPICAL SECTION
STA 920+34.26 TO 924+83.26
STA 926+03.26 TO 931+69.26

- LEGEND**
- (A) 11" CRCP
 - (B) 1" ASB
 - (C) 6" CEMENT TREATED BASE
 - (D) 6" LTS
 - (E) MONO CURB (TY II)
 - (F) 4" CONC SIDEWALK
 - (G) RETAINING WALL (MSE) (HORIZ SCHEM)
 - (H) C402
 - (I) C402 (MOD)
 - (J) 6" CONC RIPRAP (CL B)
 - (K) BLOCK SOD
 - (L) DRILL SEED (PERM) (URBAN) (SANDY)
 - (M) REINFORCED VOLUME
 - (N) EMBANKMENT
 - (O) DRIVEWAYS 6" CONC.
 - (P) CHAIN LINK FENCE (6')
 - (Q) 4" CONC RIPRAP (CL B)
 - (R) TYPE 1 CURB RAMP AND LANDING
 - (S) TYPE 8 CURB RAMP AND LANDING
 - (T) TYPE 10 CURB RAMP AND LANDING
 - (U) CLASS 5 CONC (BRIDGE MEDIAN)
 - (V) MONO CURB (TY II) W/ DRAIN SLOTS
 - (W) 4" CEMENT STABILIZED RIPRAP
 - (X) DRIVEWAY NO.

NOTE:
FOR THIS TYPICAL SECTION PAY SCHEDULE 2 WILL BE USED FOR THE ITEM "RIDE QUALITY OF PAVEMENT SURFACES"

PRELIMINARY-100%
SUBMITTED FOR INTERIM REVIEW
Under the authority of:
JORGE L. VILLALTA, P.E. No. 107817
Date: 3/26/2014 IT IS NOT TO BE
USED FOR CONSTRUCTION, BIDDING
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AECOM AECOM TECHNICAL SERVICES, INC
5444 WESTHEIMER RD., SUITE 20
HOUSTON, TEXAS 77056
WWW.AECOM.COM
T&PE REG. NO. F-3580



US 90A

PROPOSED TYPICAL SECTIONS

SHEET 2 OF 4

FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.	
6		8	
STATE	DIST.	COUNTY	
TEXAS	HOU.	FORT BEND	
CONT.	SECT.	JOB	HIGHWAY NO.
0027	07	032	US 90A

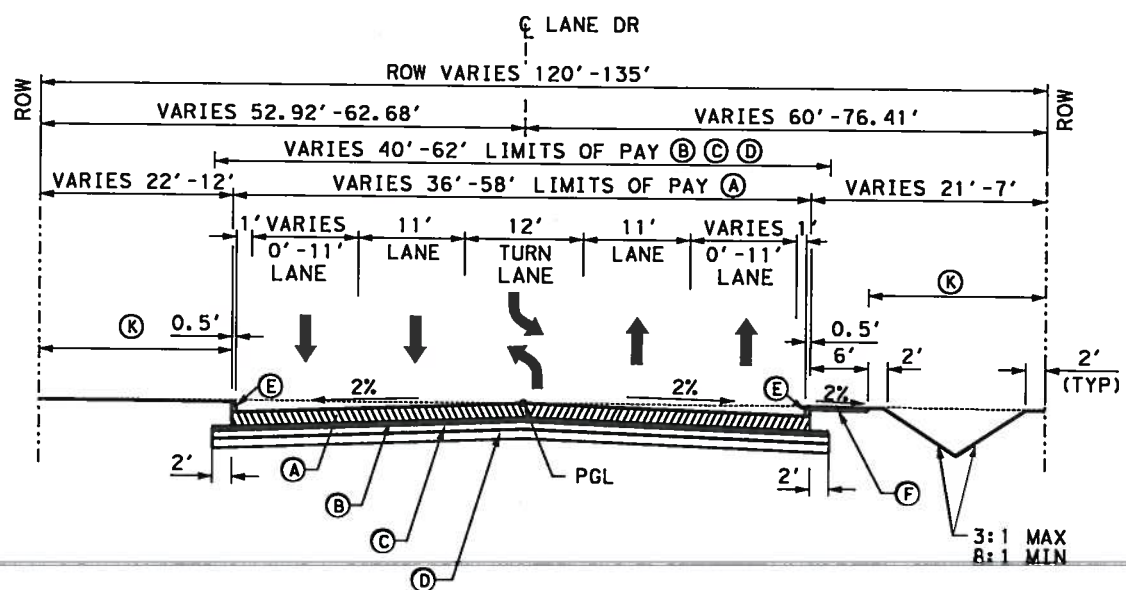
- * STA 920+13.32 TO 922+52.10
STA 927+90.28 TO 931+50.34
- ** STA 920+58.74 TO 923+02.65
STA 928+40.82 TO 931+97.31
- *** SEE BNSF RAILROAD OVERPASS EXHIBIT "A"
EMBANKMENT DETAILS FOR SPECIFIC BACKFILL
DIRECTIONS UNDER RAILROAD

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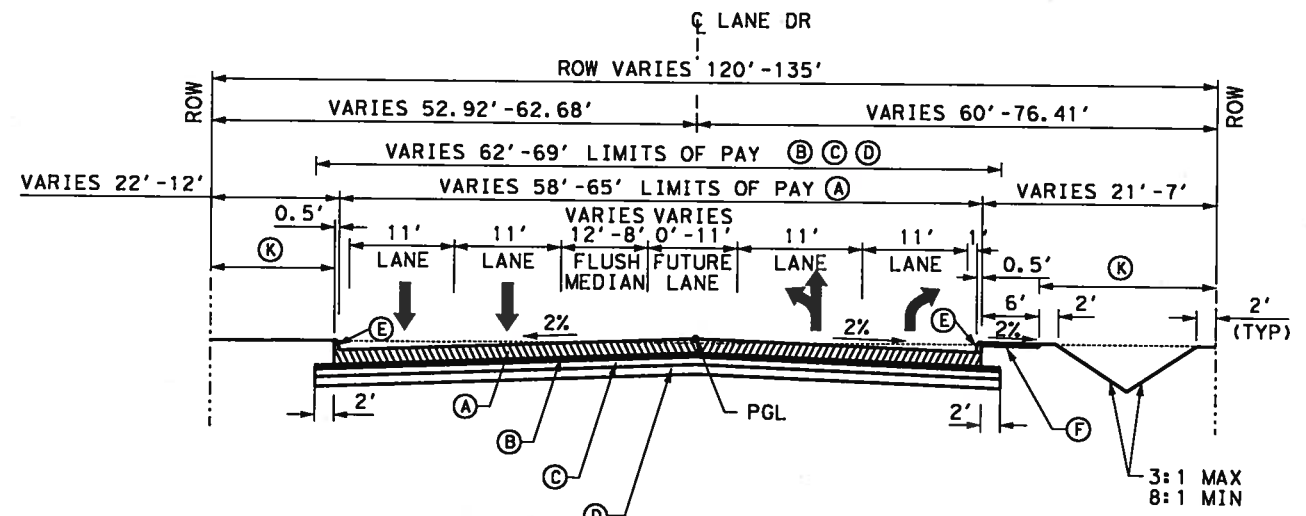
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100% SUBMITTAL

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PROP LANE DRIVE TYP-SEC
 STA 11+76.81 TO STA 13+60

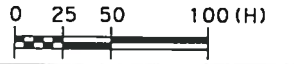


PROP LANE DRIVE TYP-SEC
 STA 13+60 TO STA 15+04

- LEGEND**
- (A) 11" CRCP
 - (B) 1" ASB
 - (C) 6" CEMENT TREATED BASE
 - (D) 6" LTS
 - (E) MONO CURB (TY II)
 - (F) 4" CONC SIDEWALK
 - (G) RETAINING WALL (MSE) (HORIZ SCHEM)
 - (H) C402
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 - (L) DRILL SEED (PERM) (URBAN) (SANDY)
 - (M) REINFORCED VOLUME
 - (N) EMBANKMENT
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 - (V) MONO CURB (TY II) W/ DRAIN SLOTS
 - (W) 4" CEMENT STABILIZED RIPRAP
 - (X) DRIVEWAY NO.

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AECOM
 AECOM TECHNICAL SERVICES, INC.
 5444 WESTHEIMER RD., SUITE 200
 HOUSTON, TEXAS 77056
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 TBPE REG. NO. F-3580



US 90A
**PROPOSED TYPICAL
 SECTIONS**

SHEET 4 OF 4

FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.	
6		10	
STATE	DIST.	COUNTY	
TEXAS	HOU.	FORT BEND	
CONT.	SECT.	JOB	HIGHWAY NO.
0027	07	032	US 90A