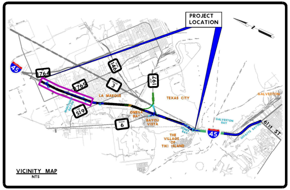
PROJECT LOCATION
45
1764
1765
146
3
197
519
6
LA MARQUE
TEXAS CITY
GALVESTON
MARCHAND BAYOU
OMEGA BAY
BAYOU VISTA
JONES BAY
THE VILLAGE OF TIKI ISLAND
GALVESTON BAY
OFFATTS BAYOU
61st ST

VICINITY MAP
NTS

Texas Department of Transportation

SCHEMATIC LAYOUT
IH 45 GULF FREEWAY
GALVESTON COUNTY
FROM: FM 1764
TO: TIKI DRIVE

HOUSTON DISTRICT

DATE: APRIL 2007
APPROVED: AUGUST 28, 2008

SHEET 1 OF 3

REVISIONS

REVISION			APPROVAL DATE
NO.	DATE	DESCRIPTION	
1	JAN. 2009	RE-ALIGNMENT OF SH 6/146 EAST OF IH 45	JUL 28, 2009
2	AUG. 2012	UPDATED SCHEMATIC TO INCLUDE:	
		SIDEWALKS, BIKE LANES, NOISE WALLS	
3	AUG. 2013	MODIFIED EXISTING AND PROPOSED PROFILES	

PLAN LEGEND

SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	━━━	5	BLACK	0
FRONTAGE ROADS AND RAMPS	───	1	BLUE	1
TURNAROUNDS	───	1	BLUE	1
EXISTING RDWY TO BE REMOVED	▨ ▨	0	BLACK	0
EXISTING RDWY TO REMAIN	───	2	GREEN	2
EMBANKMENT	─^─^─	3	RED	3
PROPOSED ACCESS DENIAL	──‖──	3	RED	3
PROPOSED ROW	━ ╵ ━ ╵	5	BLACK	0
EXISTING ROW	─ ─ ─	0	BLACK	0
ACCESS ROAD	········	1	BLUE	1
PLANIMETRIC	✿	2	GREEN	2
TRAFFIC COUNT YEAR (2025) DHV	⬭	0	BLACK	0
EXISTING LANE DIRECTIONAL INDICATOR	⇨	0	BLACK	0
PROPOSED LANE DIRECTIONAL INDICATOR	➡	0	BLACK	0
DIRECT CONNECTOR	━━━	4	ORANGE	6
DEPRESSED	─x─x─	3	RED	3
FUTURE	- - - -	1	BLUE	1
RETAINING WALL	━━━	6	RED	3
STRIPING	▰ ▰	0	ORANGE	6
RDWY. UNDER CONSTRUCTION	━━━	5	LT GREEN	197

COLOR FILL LEGEND

PROPOSED MAINLANES	🟨
PROP. FRONTAGE ROADS	🟦
PROP. RAMPS	🟦
BRIDGES & STRUCTURES	⬜
DIRECT CONNECTOR	🟧

DESIGN SPEED

MAINLANES	70 MPH
FRONTAGE ROADS	45 MPH
RAMPS	45 MPH
DIRECT CONNECTORS	50 MPH

200 100 0 100 200
SCALE IN FEET

NOT A BIDDING DOCUMENT

WADE W. ZHAO
87094

The seal appearing on this document was authorized by WADE W. ZHAO P.E. 87094, on January 29, 2009

FILE NAME:
00143SCHEM1_R2.DGN

REFERENCE FILES:
00143_TOPO.DGN
00143_ROW.DGN
00143ALGN.DGN
00143PLAN_R2.DGN
00143PRF.DGN
00143TYP_R2.DGN
00143_HATCH_R2.DGN
00143_PROPLINES.DGN
00143SCHEM_BDR1_R2.DGN
00143_UTILITIES.DGN
S45_CLK21764R6.DGN

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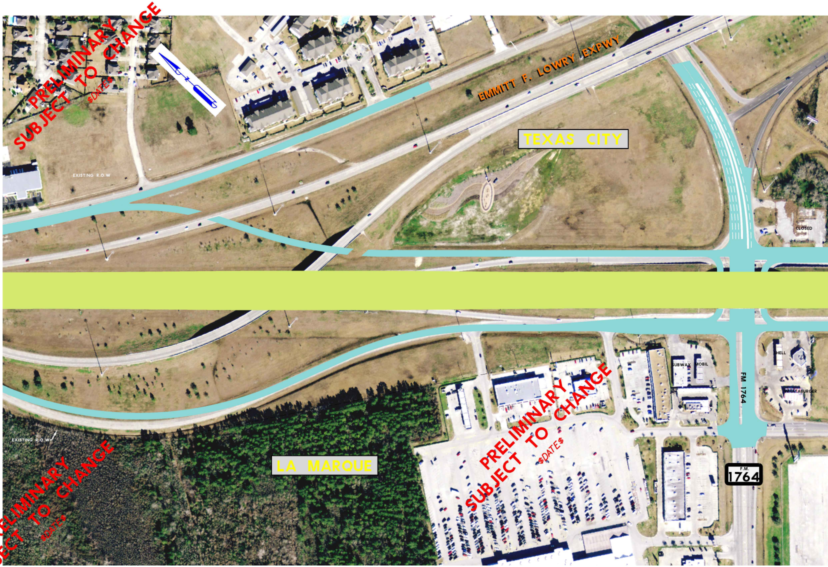
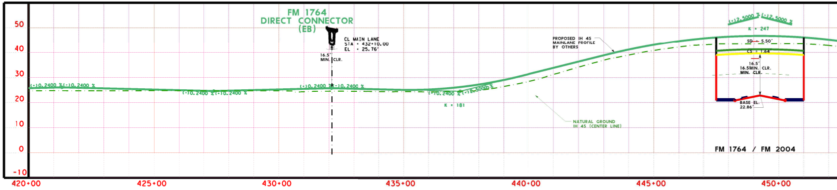
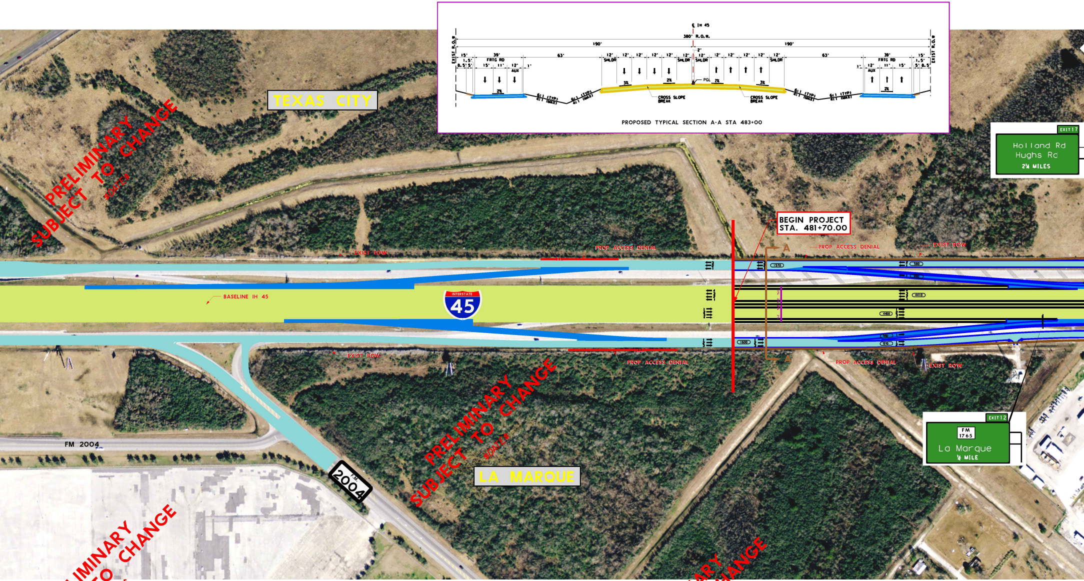
Engineering Management Technology


PRELIMINARY
SUBJECT TO CHANGE
$DATE$
EMMITT F. LOWRY EXPWY
TEXAS CITY
EXISTING R.O.W
CLOSED
SUBWAY
MOBIL
SHELL
WHATABURGER
FM 1764
F.M. 1764
EXISTING R.O.W
LA MARQUE
PRELIMINARY
SUBJECT TO CHANGE
$DATE$
PRELIMINARY
SUBJECT TO CHANGE
$DATE$


FM 1764
DIRECT CONNECTOR
(EB)
CL MAIN LANE
STA = 432+10.00
EL = 25.76'
16.5'
MIN. CLR.
(+)0.2400 %
(-)0.2400 %
(+)0.2400 %
(-)0.2400 %
(+)0.2400 %
(-)0.2400 %
(+)0.2400 %
(+)0.2400 %
(+)1.5000 %
K = 181
PROPOSED IH 45
MAINLANE PROFILE
BY OTHERS
NATURAL GROUND
IH 45 (CENTER LINE)
(+)2.5000 %
(-)2.5000 %
K = 247
SD = 5.50'
CS = 1.64'
16.5'
16.5MIN. CLR.
MIN. CLR.
BASE EL.
22.86'
FM 1764 / FM 2004
50
40
30
20
10
0
-10
420+00
425+00
430+00
435+00
440+00
445+00
450+00



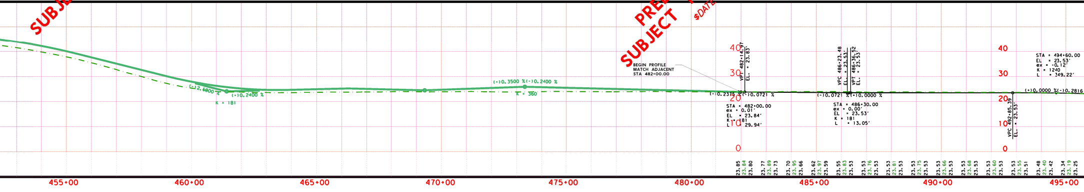
℄ IH 45
380' R.O.W.
190'
190'
EXIST R.O.W
15'
39'
FRTG RD
63'
12'
SHLDR
2'
1.5'
8.5'
5'
15'
11'
12'
AUX
1'
2%
3%
PGL
6:1 (TYP)
4:1 (MAX)
CROSS SLOPE BREAK
PROPOSED TYPICAL SECTION A-A STA 483+00
TEXAS CITY
LA MARQUE
BEGIN PROJECT
STA. 481+70.00
PROP ACCESS DENIAL
EXIST ROW
BASELINE IH 45
INTERSTATE
45
FM 2004
FM
2004
A
EXIT 17
Holland Rd
Hughs Rd
2¼ MILES
EXIT 12
FM
1765
La Marque
½ MILE

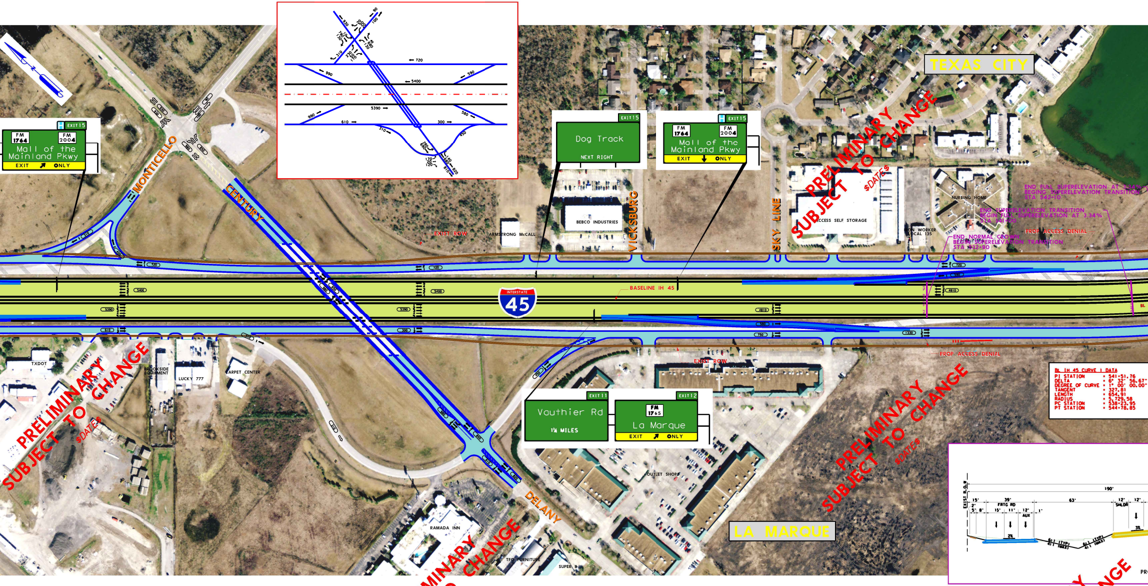
PRELIMINARY SUBJECT TO CHANGE $DATE$

PRELIMINARY SUBJECT TO CHANGE $DATE$

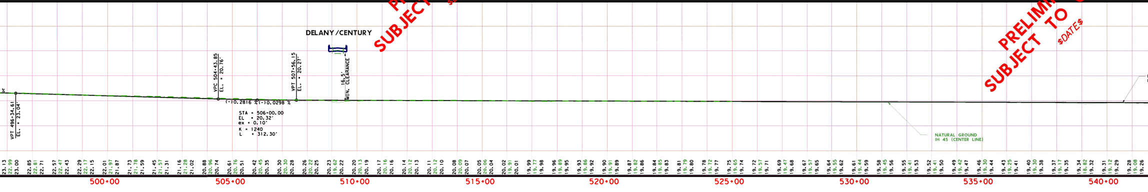
PRELIMINARY SUBJECT TO CHANGE $DATE$

PRELIMINARY SUBJECT TO CHANGE $DATE$



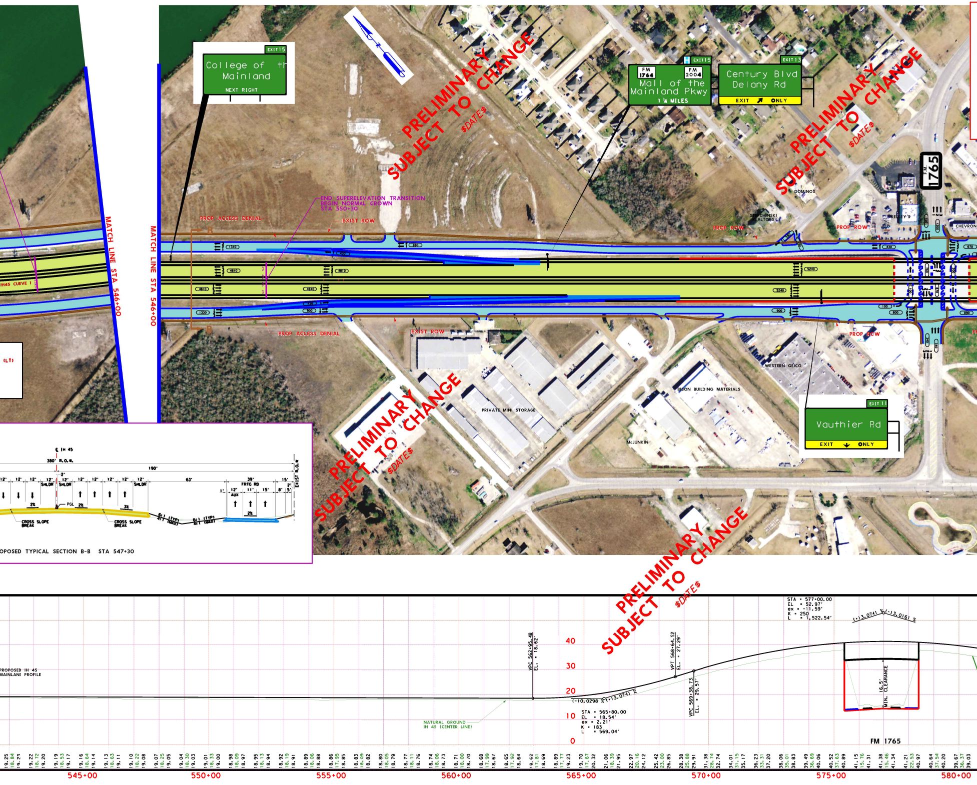

EXIT 15
FM 1764
FM 2004
Mall of the Mainland Pkwy
EXIT ↗ ONLY
MONTICELLO
CENTURY
720
990
590
5400
5390
990
610
300
580
310
450
Dog Track
NEXT RIGHT
EXIT 15
FM 1764
FM 2004
Mall of the Mainland Pkwy
EXIT ↓ ONLY
TEXAS CITY
VICKSBURG
SKY LINE
BEBCO INDUSTRIES
ACCESS SELF STORAGE
NURSING HOME
ARMSTRONG McCALL
EXIST ROW
BASELINE IH 45
INTERSTATE
45
END FULL SUPERELEVATION AT 3.34%
BEGING SUPERELEVATION TRANSITION
STA 542+10
END SUPERELEVATION TRANSITION
BEGIN FULL SUPERELEVATION AT 3.34%
STA 541+00
PROP ACCESS DENIAL
END NORMAL CROWN
BEGIN SUPERELEVATION TRANSITION
STA 532+80
720
5400
5390
4810
610
300
550
750
1330
PROP ACCESS DENIAL
EXIST ROW
TXDOT
BROOKSIDE EQUIPMENT
LUCKY 777
CARPET CENTER
EXIT 11
Vauthier Rd
1¼ MILES
EXIT 12
FM 1765
La Marque
EXIT ↗ ONLY
OUTLET SHOPS
DELANY
RAMADA INN
TFO FURNITURE
SUPER 8
LA MARQUE
EXIST R.O.W.
190'
15'
39'
FRTG RD
63'
12'
12'
SHLDR
2'
5'
8'
15'
11'
12'
AUX
1'
2%
6:1 (TYP)
4:1 (MAX)
3%

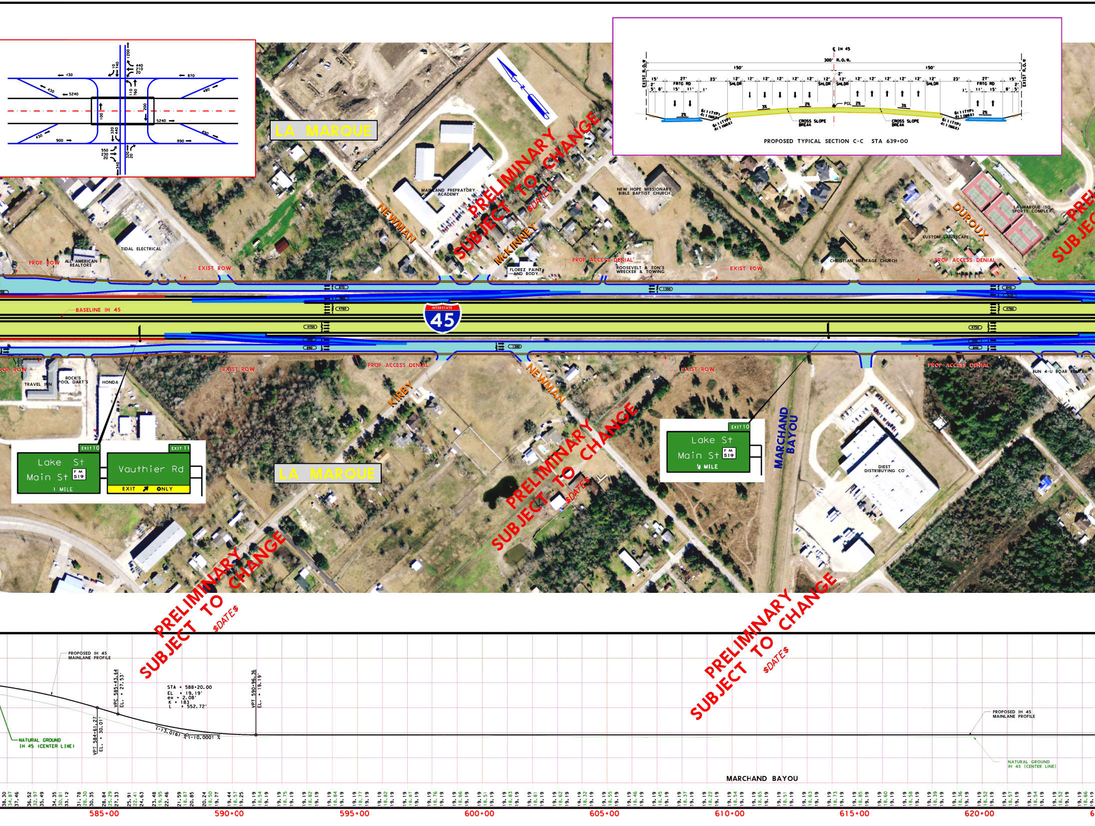
BL IH 45 CURVE 1 DATA
PI STATION = 541+51.76
DELTA = 6° 32' 56.67"
DEGREE OF CURVE = 1° 00' 00.00"
TANGENT = 327.81
LENGTH = 654.91
RADIUS = 5,729.58
PC STATION = 538+23.95
PT STATION = 544+78.85

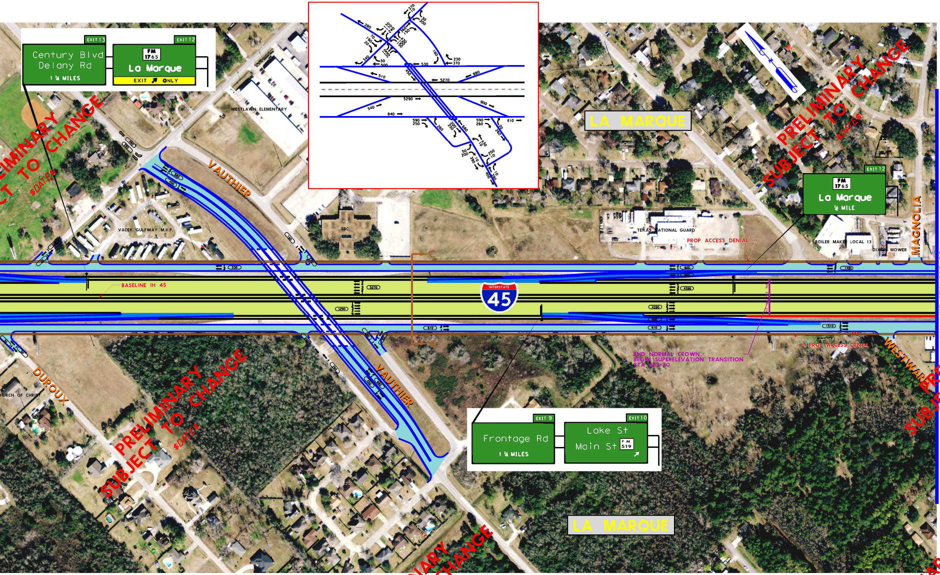

DELANY / CENTURY
VPT 496+34.61
EL. = 23.04'
VPC 504+43.85
EL. = 20.76'
VPT 507+56.15
EL. = 20.27'
16.5' MIN. CLEARANCE
(-)0.2816 %
(-)0.0298 %
NATURAL GROUND
IH 45 (CENTER LINE)
500+00
505+00
510+00
515+00
520+00
525+00
530+00
535+00
540+00

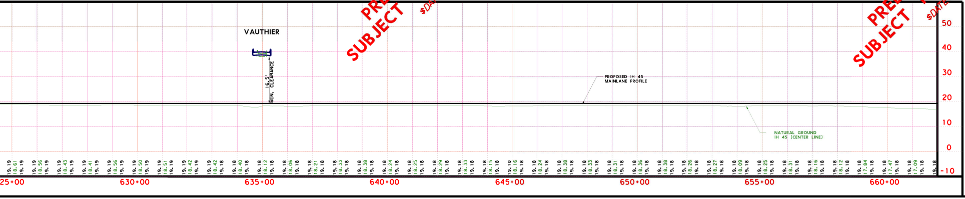
STA = 506+00.00
EL = 20.32'
ex = 0.10'
K = 1240
L = 312.30'

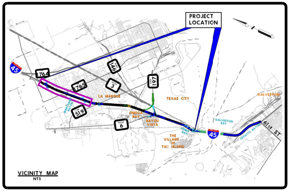
PRELIMINARY SUBJECT TO CHANGE $DATE$


EXIT 15
College of th
Mainland
NEXT RIGHT
FM 1764
FM 2004
EXIT 15
Mall of the
Mainland Pkwy
1 ¼ MILES
EXIT 13
Century Blvd
Delany Rd
EXIT ONLY
EXIT 11
Vauthier Rd
EXIT ONLY
F.M. 1765
PRELIMINARY
SUBJECT TO CHANGE
$DATE$
MATCH LINE STA 546+00
MATCH LINE STA 546+00
IH45 CURVE 1
(LT)
PROP ACCESS DENIAL
EXIST ROW
END SUPERELEVATION TRANSITION
BEGIN NORMAL CROWN
STA 550+30
PROP ROW
DOMINOS
SEPCHINSKI REALTORS
KELSEY'S
CHEVRON
WESTERN GEICO
BISON BUILDING MATERIALS
PRIVATE MINI STORAGE
McJUNKIN
B
B
1310
4810
4810
4810
4810
880
5240
5240
1330
900
900
430
670
100
800
890
℄ IH 45
380' R.O.W.
190'
2'
12' 12' 12' 12' SHLDR 12' SHLDR 12' 12' 12' 12' 12' SHLDR
63'
39'
FRTG RD
15'
1'
12' AUX
11'
15'
8'
5'
2'
EXIST R.O.W
2%
PGL
2%
3%
2%
6:1 (TYP)
4:1 (MAX)
6:1 (TYP)
4:1 (MAX)
CROSS SLOPE BREAK
CROSS SLOPE BREAK
OPOSED TYPICAL SECTION B-B STA 547+30
PROPOSED IH 45 MAINLANE PROFILE
NATURAL GROUND IH 45 (CENTER LINE)
VPC 562+95.48
EL. = 18.62'
(-)0.0298 %
(+)3.0741 %
STA = 565+80.00
EL = 18.54'
ex = 2.21'
K = 183
L = 569.04'
VPT 568+64.52
EL. = 27.29'
VPC 569+38.73
EL. = 29.57'
STA = 577+00.00
EL = 52.97'
ex = -11.59'
K = 250
L = 1,522.54'
(+)3.0741 %
(-)3.0161 %
16.5' MIN. CLEARANCE
FM 1765
40
30
20
10
0
545+00
550+00
555+00
560+00
565+00
570+00
575+00
580+00


PROPOSED TYPICAL SECTION C-C STA 639+00
℄ IH 45
300' R.O.W.
150'
150'
EXIST R.O.W
FRTG RD
SHLDR
15'
27'
23'
12'
2'
5'
8'
11'
1'
PGL
2%
3%
6:1 (TYP)
4:1 (MAX)
CROSS SLOPE BREAK
LA MARQUE
PRELIMINARY SUBJECT TO CHANGE
$DATE$
MAINLAND PREPARATORY ACADEMY
NEWMAN
McKINNEY
KIRBY
DUROUX
TIDAL ELECTRICAL
ALL AMERICAN REALTORS
FLOREZ PAINT AND BODY
ROOSEVELT & SON'S WRECKER & TOWING
NEW HOPE MISSIONARY BIBLE BAPTIST CHURCH
CHRISTIAN HERITAGE CHURCH
CUSTOM LANDSCAPE
LA MARQUE ISD SPORTS COMPLEX
TRAVEL INN
ROCK'S POOL DART'S
HONDA
DIEST DISTRIBUTING CO
FUN 4-U BOAR RENTAL
MARCHAND BAYOU
PROP ROW
EXIST ROW
PROP ACCESS DENIAL
BASELINE IH 45
INTERSTATE 45
EXIT 10
Lake St
Main St
FM 519
1 MILE
¼ MILE
EXIT 11
Vauthier Rd
EXIT ONLY
430
5240
900
870
480
490
890
1200
140
10
440
210
20
110
760
100
200
550
230
20
320
440
340
4750
4760
870
1350
1380
840
PROPOSED IH 45 MAINLANE PROFILE
NATURAL GROUND IH 45 (CENTER LINE)
VPT 584+61.27 EL. = 30.01'
VPC 585+43.64 EL. = 27.53'
STA = 588+20.00
EL = 19.19'
ex = 2.08'
K = 183
L = 552.72'
VPT 590+96.36 EL. = 19.19'
(-)3.0161 %
(-)0.0001 %
585+00
590+00
595+00
600+00
605+00
610+00
615+00
620+00


EXIT 13
Century Blvd
Delany Rd
1 ¼ MILES
EXIT 12
FM 1765
La Marque
EXIT ↗ ONLY
PRELIMINARY SUBJECT TO CHANGE
$DATE$
WESTLAWN ELEMENTARY
VAUTHIER
VACEK GULFWAY M.H.P.
SBC
LA MARQUE
TEXAS NATIONAL GUARD
PROP ACCESS DENIAL
EXIT 12
FM 1765
La Marque
½ MILE
BOILER MAKER LOCAL 13
DIXON MOWER
MAGNOLIA
MATCH LINE STA 660+00
BASELINE IH 45
INTERSTATE
45
END NORMAL CROWN
BEGIN SUPERELEVATION TRANSITION
STA 653+30
PROP ACCESS DENIAL
WESTWARD
DUROUX
CHURCH OF CHRIST
EXIT 9
Frontage Rd
1 ¼ MILES
EXIT 10
Lake St
Main St
FM 519
LA MARQUE
530
5270
5290
510
540
840
880
900
610
600
850
4390
1480
1510




PROJECT LOCATION
45
764
765
519
146
3
197
6
LA MARQUE
TEXAS CITY
OMEGA BAY
BAYOU VISTA
THE VILLAGE OF TIKI ISLAND
GALVESTON BAY
61st ST
VICINITY MAP
NTS

SCHEMATIC LAYOUT

IH 45 GULF FREEWAY

GALVESTON COUNTY

FROM: FM 1764
TO: TIKI DRIVE

Texas Department of Transportation

HOUSTON DISTRICT

DATE: APRIL 2007
APPROVED: AUGUST 28, 2008

SHEET 1 OF 3

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		SIDEWALKS, BIKE LANES, NOISE WALLS	
3	AUG. 2013	MODIFIED EXISTING AND PROPOSED PROFILES	

PLAN LEGEND

SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	▬	5	BLACK	0
FRONTAGE ROADS AND RAMPS	—	1	BLUE	1
TURNAROUNDS	—	1	BLUE	1
EXISTING RDWY TO BE REMOVED	▨ ▨	0	BLACK	0
EXISTING RDWY TO REMAIN	—	2	GREEN	2
EMBANKMENT	—	3	RED	3
PROPOSED ACCESS DENIAL	—	3	RED	3
PROPOSED ROW	▬ · ▬ ·	5	BLACK	0
EXISTING ROW	— — —	0	BLACK	0
ACCESS ROAD	········	1	BLUE	1
PLANIMETRIC		2	GREEN	2
TRAFFIC COUNT YEAR (2025) DHV		0	BLACK	0
EXISTING LANE DIRECTIONAL INDICATOR	⇨	0	BLACK	0
PROPOSED LANE DIRECTIONAL INDICATOR	➡	0	BLACK	0
DIRECT CONNECTOR	—	4	ORANGE	6
DEPRESSED	—	3	RED	3
FUTURE	- - - -	1	BLUE	1
RETAINING WALL	▬	6	RED	3
STRIPING	▰ ▰	0	ORANGE	6
RDWY. UNDER CONSTRUCTION	—	5	LT GREEN	197

FILE NAME:
00143SCHEM1_R2.DGN

REFERENCE FILES:
00143_TOPO.DGN
00143_ROW.DGN
00143ALGN.DGN
00143PLAN_R2.DGN
00143PRF.DGN
00143TYP_R2.DGN
00143_HATCH_R2.DGN
00143_PROPLINES.DGN
00143SCHEM_BDR1_R2.DGN
00143_UTILITIES.DGN
S45_CLK21764R6.DGN

COLOR FILL LEGEND	
PROPOSED MAINLANES	🟨
PROP. FRONTAGE ROADS	🟦
PROP. RAMPS	🟦
BRIDGES & STRUCTURES	⬜
DIRECT CONNECTOR	🟧

NOT A BIDDING DOCUMENT

DESIGN SPEED

MAINLANES	70 MPH
FRONTAGE ROADS	45 MPH
RAMPS	45 MPH
DIRECT CONNECTORS	50 MPH

200 100 0 100 200
SCALE IN FEET

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Engineering Management Technology