FUNCTIONAL CLASS
"PRINCIPAL ARTERIAL INTERSTATE"
MAIN LANE DESIGN CRITERIA - FREEWAY
DESIGN SPEED
MAIN LANES - 70 MPH
RAMPS - 45 MPH
FRONTAGE ROAD DESIGN CRITERIA - LOW
SPEED URBAN STREETS
DESIGN SPEED - 45 MPH (DESIRED)
- 35 MPH (MIN)

Texas Department of Transportation
SCHEMATIC LAYOUT
GALVESTON COUNTY
I 45 GULF FRWY
FROM: NORTH OF F.M. 518
TO: NORTH OF F.M. 646
HOUSTON DISTRICT
DATE: April 2014
APPROVED:

NOT A BIDDING DOCUMENT
______________ P.E.
TEXAS REGISTRATION NUMBER
____
DATE

LEGEND

SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	━	5	BLACK	0
FRONTAGE ROADS AND RAMPS	―	1	BLUE	1
TURNAROUNDS	━	5	BLUE	1
EXISTING RDWY TO BE REMOVED	/// ///	0	BLACK	0
EXISTING RDWY TO REMAIN	―	2	GREEN	2
EMBANKMENT	▲▲	3	RED	3
CONTROL OF ACCESS	━	5	PURPLE	13
PROP ROW	━ ╎ ━	5	BLACK	0
EXISTING ROW	━ ━	3	BLACK	0
ACCESS ROAD	·········	1	BLUE	1
PLANIMETRIC	♡	2	GREEN	2
TRAFFIC COUNT YEAR (2035) DHV	(000000)	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
HIGH OCCUPANCY VEHICLE (HOV)	▬	5	TURQUOISE	65
DIAMOND LANE	▬	5	BROWN	137
MANAGED LANES	━	9	LT PURPLE	42
TEMPORARY CONNECTIONS	━	10	PURPLE	37
RDWY. UNDER CONSTRUCTION	━	5	LT GREEN	197
RECOMMENDED NOISE ABATEMENT WALL	▬ ¦¦¦	10	PURPLE	203
SIDE WALK	―	2	COFFEE	7

SCALE: 0 100 200 300 400

FILE: H:\ProjDev2004096-Ih45s\AustinR1*082009\Plot1R2*IH45S.dgn
PEN TABLE: Date.tbl
COLOR TABLE: V8i*020513.tblfrom C:\ProgramData\Bentley\WorkSpace\System\data
REFERENCE FILES: Design files>> S45*Clk31764R9.dgn, Exhb*Arrow.dgn;
Alignment files>> AlignV8R1.dgn; 12135021.dgn;
Planimetric files>> 200534dg.dgn, 200617av8.dgn 2desh96Dummy.dgn;
Row files>> 3S45ExRow.dgn, Rdwyfrtg&row*R1.dgn; 12135024*ve.dgn
Construction files>> RdwyI45.dgn, Balign.dgn, 12135020VE.dgn;
Profile file>> Prof*IH45S.dgn >>

COLOR FILL LEGEND

PROPOSED MAINLANES	🟩
PROPOSED FRONTAGE ROADS	🟦
PROPOSED RAMPS	🟦
PROPOSED BRIDGES & STRUCTURES	⬜
PROPOSED DIRECT CONNECTOR	🟧
MANAGED LANES	🟪
EXISTING ROADWAY	⬜

PROPOSED TYPICAL SECTION A-A * STA. 869+00
1 SHOULDER TAPERS FROM 12' AT STA 866+85.00 TO 6' AT STA 872+85.00
2 SIXTH LANE TAPERS FROM 0' AT STA 866+85.00 TO 12' AT STA 872+85.00
3 HOV LANE TAPERS FROM 16' AT STA 868+50.0 TO 12' AT STA 874+64.34
4 2- 12' LANES AT FULL WIDTH ON RAMP
5 SHOULDER TAPERS FROM 12' AT STA 866+47.34 TO 6' STA 870+24.22
6 FRONTAGE ROAD LANE TAPERS FROM 12' AT STA 868+96.58 TO 0' AT STA 875+48.16
PROPOSED TYPICAL SECTION A1-A1 * STA. 900+00
PROPOSED TYPICAL SECTION B-B * STA. 916+50
1 VARIES 13' TO 0' GORE
2 14' TO 0' RAMP TAPER
IH 45 Gulf Freeway
Arterial: FM 518
Proposed Configuration
Traffic Year 2035
PROPOSED TYPICAL SECTION C-C * STA. 27+50
IH 45 Gulf Freeway
Arterial: SH 96
Proposed Configuration
Traffic Year 2035
PROPOSED TYPICAL SECTION D-D * STA. 98+00
PRELIMINARY SUBJECT TO CHANGE $DATE$
EXISTING PROJECT
BEGIN PROJECT
NASA 1 BYPASS
KOBAYASHI DRIVE
MAGNOLIA AVENUE
MATCH LINE
IH 45(S)
HARRIS COUNTY
GALVESTON COUNTY
CLEAR CREEK
FM 518
WESLEY
CLAIBORNE
LAFAYETTE
UNNAMED TRIBUTARY OF CLEAR CREEK
BUTLER
SH 96
PHILLIPS
SPORTSPLEX
CALDER
TURNER
WEST WALKER STREET
BIG LEAGUE DREAMS PARKWAY
MATCHLINE STA. 122+50.00
Bay Area Blvd
528 1 Nasa Alvin
528 1 Nasa Pkwy Nasa
518 League City
96 League City Pkwy
646 Santa Fe
517 Dickinson
Webster
Kemah Boardwalk Seabrook Waterfront
Space Center Houston
IH 45 EXISTING TYPICAL SECTION
NB FRT RD
NB MAINLANES
SB MAINLANES
SB FRT RD
BEGIN SUPERELEVATION TRANSITION END NORMAL CROWN STA. 118+70.00 R2
CLEAR CREEK BAYOU
PROP 2- 12' x 12' x 105' RCB EXTENSION (NB) and PROP 2- 12' x 12' x 20' RCB EXTENSION (SB)
PROP 3- 10' x 8' x 299' RCB
PROP 3- 8' x 6' x 325' RCB
PROP 3- 6' x 4' x 306' RCB
PROP 2- 7' x 4' x 293' RCB
PROPOSED IH 45 MAIN LANE PROFILE (At CL Lane)
EXISTING IH 45 MAIN LANE PROFILE (At CL Lane)
NATURAL GROUND (At Center line)

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