

1st O. REV. GENERAL INDEX

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TOTAL SHEETS 236

09-19-07

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**WEIGH-IN-MOTION TRUCK SCALE FACILITIES  
ON I-10 (EASTBOUND)  
FEDERAL-AID PROJECT NO. IM-0010-01(122)N  
HANCOCK COUNTY**

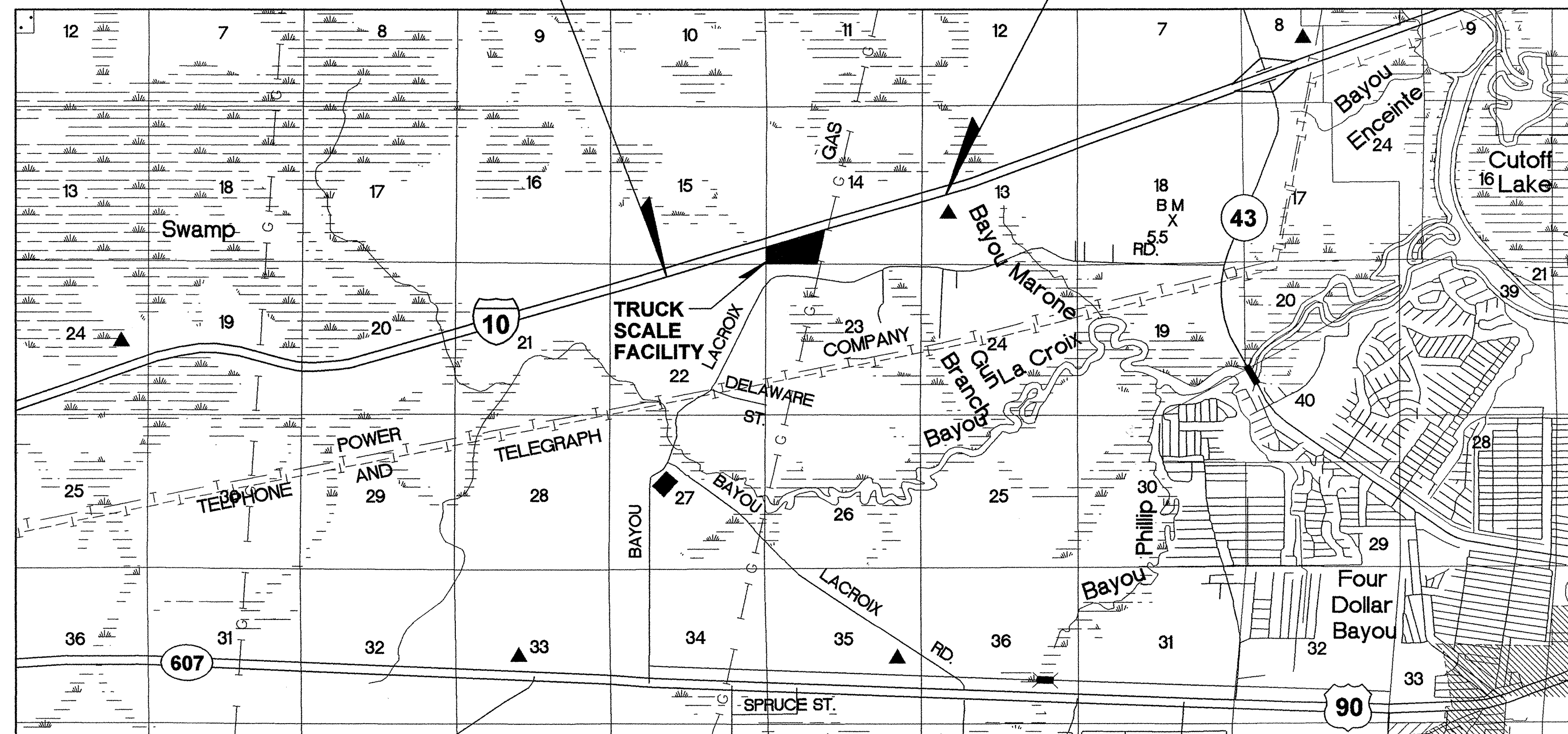
104808/301000

**SCALES**

PLAN	1 IN. = 50 FT.
PROFILE { HOR.	1 IN. = 50 FT.
VERT.	1 IN. = 5 FT.
LAYOUT	1 IN. = 3000 FT.

STA. 523+05 - BEGINNING OF PROJECT

STA. 627+17.03 - END OF PROJECT



**BOX BRIDGES REQ'D.**

147' - DBL. 10'x8' EXTENSION  
STA. 585+17.69 - "WIM"

**CONVENTIONAL SYMBOLS**

- COUNTY LINE .....
- TOWN CORPORATION LINE .....
- SECTION LINE .....
- EXISTING ROAD OR TRAVELED WAY - - - - -
- PROPOSED ROAD OR TRAVELED WAY \_\_\_\_\_
- RAILROAD .....
- SURVEY LINE .....
- BRIDGES .....

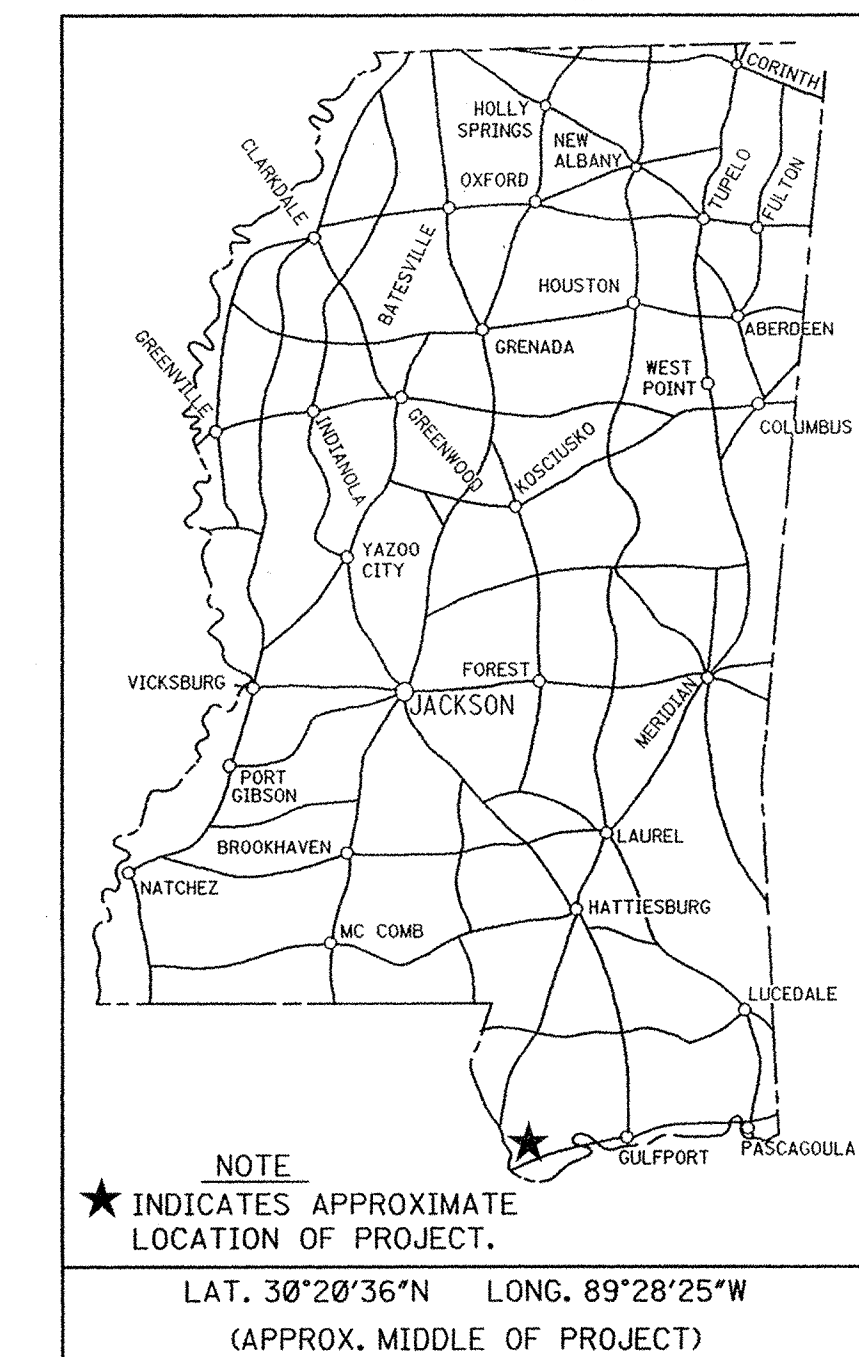
**EQUATIONS**

**LENGTH DATA**

LENGTH OF ROADWAY	10.412.03 FT.	1.972 MI.
LENGTH OF BRIDGES	0.00 FT.	0.00 MI.
LENGTH OF PROJECT (NET)		1.972 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.00 MI.
LENGTH OF PROJECT (GROSS)		1.972 MI.

**EXCEPTIONS**

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	IM-0010-01(122)N	1



**DESIGN CONTROL**

WIM LANES 50 MPH = V (SPEED DESIGN)

ADT (2007) = 3,200 ; ADT (2027) = 5,200  
DHV = 520 ; D = 99 % T = 99 %

**DESIGN CONTROL**

STATIC SCALE & BYPASS LANES 25 MPH = V (SPEED DESIGN)

ADT (2007) = 3,200 ; ADT (2027) = 5,200  
DHV = 520 ; D = 99 % T = 99 %

**PERMITS ACQUIRED BY MDOT**

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	N	N
NATIONWIDE (OTHER)*	Y	Y
GENERAL*	N	N
INDIVIDUAL (404)*	N	N

\* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT  Y

Y REQUIRED CNCI SUBMITTED BY MDOT (DISTRIBUTED AREA=5 ACRES + INTB 6484)

S REQUIRED SNCI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(INTB 6483)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: DESIGN OF WEIGH-IN-MOTION TRUCK SCALE FACILITIES ON I-10 (EASTBOUND) FEDERAL-AID PROJECT NO. IM-0010-01(122)N MISSISSIPPI DEPARTMENT OF TRANSPORTATION 9/12/2007 14:01:29 6381 COVER.DGN

APPROVED: *Harry Lee James* 9/19/07  
CHIEF ENGINEER DATE

APPROVED: *Scott A. Brown* 9-19-07  
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

DIVISION ADMINISTRATOR

FEDERAL HIGHWAY ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
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<b>DETAILED INDEX &amp; GENERAL NOTES ( 4 )</b>		
DETAILED INDEX	DI-1	2
DETAILED INDEX	DI-2	3
DETAILED INDEX	DI-3	4
GENERAL NOTES	GN-1	5
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MAINLINE / RAMP TRANSITION	TS-1	6
RAMPS - STA. 539+86.64 TO STA. 554+48.33	TS-2	7
WIM & STATIC LANE SEPARATION	TS-3	8
TYPICAL SECTION - STA. 560+75 TO STA. 566+50	TS-4	9
ADMINISTRATION BUILDING & INSPECTION LANE	TS-5	10
"WIM", STATIC, BYPASS & INSPECTION LANES	TS-6	11
TRUCK PARKING AREAS	TS-7	12
TYPICAL SECTION - STA. 579+57.85 TO STA. 587+47.68	TS-8	13
TYPICAL SECTION - STA. 587+47.68 TO STA. 593+66.79	TS-9	14
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"WIM" & STATIC TRANSITION EXIT LANES	TS-11	16
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ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	EQ-TCP	22.2
ESTIMATED QUANTITIES - PAVEMENT MARKINGS	EQ-PM	22.3
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS	SRS-1	22.4
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS	SRS-2	22.5
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WEIGH-IN-MOTION LANE - STA. 549+00 TO STA. 564+00	4	27
WEIGH-IN-MOTION LANE - STA. 564+00 TO STA. 579+00	5	28
WEIGH-IN-MOTION LANE - STA. 579+00 TO STA. 594+00	6	29
WEIGH-IN-MOTION LANE - STA. 594+00 TO STA. 609+00	7	30
WEIGH-IN-MOTION LANE - STA. 609+00 TO STA. 618+37.03	8	31
STATIC LANE - STA. 354+48.33 TO STA. 366+00	9	32
STATIC LANE - STA. 366+00 TO STA. 378+00	10	33
STATIC LANE - STA. 378+00 TO STA. 390+00	11	34
STATIC LANE - STA. 390+00 TO STA. 401+25.29	12	35
BYPASS LANE - STA. 160+69.78 TO STA. 174+00	13	36
BYPASS LANE - STA. 174+00 TO STA. 187+56.50	14	37
INSPECTION LANE - STA. 0+00 TO STA. 12+00	15	38
INSPECTION LANE - STA. 12+00 TO STA. 21+00	16	39
INSPECTION LANE - STA. 21+00 TO STA. 28+24.75	17	40

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PAVEMENT MARKING DETAILS - "WIM" STA. 606+00 TO E.O.P.	PMD-5	56
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PAVEMENT MARKING DETAILS - I-10 RT LANES STA. 525+00 TO STA. 543+00	PMD-8	58.1
PAVEMENT MARKING DETAILS - I-10 RT LANES STA. 543+00 TO STA. 552+00	PMD-9	58.2
PAVEMENT MARKING DETAILS - I-10 RT LANES STA. 590+00 TO STA. 608+00	PMD-10	58.3
PAVEMENT MARKING DETAILS - I-10 RT LANES STA. 608+00 TO STA. 626+00	PMD-11	58.4



PS & E PLANS-DATE 09-14-07		
FMS CON. # 104808/301000		
REVISIONS		
DATE	SHEET NO.	BY
10/10/07	20, 491, 492, 497, 498, 500, 501, 502, & 503	CRH
11/09/07	1, 2	JMA
12/21/07	451- 473	EA/A

10/11/2007 1:04:43 AM 6381-DI-1.DGN  
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 PLANNING DIVISION

ASU		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>			
PROJECT NO. IM-0010-01(122)N		WORKING NUMBER	
COUNTY : HANCOCK		DI-1	
FILENAME: 6381 INDEX.DGN		SHEET NUMBER	
DESIGN TEAM NS		DATE	
		2	

**DESCRIPTION OF SHEET**

**PERMANENT SIGNING PLANS ( 9 )**

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PERMANENT SIGING PLAN - EASTBOUND I-10 - "WIM" STA. 570+00 TO STA. 588+00	PSP-3	61
PERMANENT SIGING PLAN - EASTBOUND I-10 - "WIM" STA. 588+00 TO STA. 606+00	PSP-4	62
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**DESCRIPTION OF SHEET**

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**BOX BRIDGE & BOX CULVERT DRAWINGS ( 9 )**

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WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHTS 6 - 12 FT. - SPANS 12 - 40 FT.	IWD-3	388.1
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHTS 6 - 12 FT. - SPANS 12 - 40 FT.	IWD-3	388.2
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BOX CULVERT DRAWING - 45 DEG. SKEW DETAILS - WINGS WITH 3:1 SLOPE - SINGLE & DOUBLE CELL CULVERTS	ISK-45-3W	403.2

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION 9/12/2007 13:49:43 6381-DI-2.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJECT NO. IM-0010-01(122)	WORKING NUMBER
COUNTY : HANCOCK	DI-2
FILENAME: 6381 DI-2.DGN	SHEET NUMBER
DESIGN TEAM NS	CHECKED DATE
	3

**DESCRIPTION OF SHEET**

**ARCHITECTURAL ( 23 )**

ABBREVIATIONS & SYMBOLS  
 FLOOR PLAN  
 EXTERIOR ELEVATIONS  
 EXTERIOR ELEVATIONS  
 BUILDING & WALL SECTIONS  
 BUILDING SECTION  
 WALL SECTIONS  
 WALL SECTIONS & DETAILS  
 WINDOW SCHEDULE  
 DOOR, FINISH SCHEDULES  
 WINDOW DETAILS  
 MILLWORK  
 REFLECTED CEILING PLAN  
 ROOF PLAN  
 INTERIOR ELEVATIONS  
 FLOOR PLAN INSPECTION BARN  
 EXTERIOR ELEVATIONS INSPECTION BARN  
 EXTERIOR ELEVATIONS INSPECTION BARN  
 BUILDING SECTION INSPECTION BARN  
 DETAILS INSPECTION BARN  
 DOOR, FINISH SCHEDULES INSPECTION BARN  
 REFLECTED CEILING PLAN INSPECTION BARN  
 MILLWORK & INTERIOR ELEVATIONS INSPECTION BARN

**WKG. NO.**  
**SH. NO.**

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 A3.1 455  
 A3.2 456  
 A4.0 457  
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 ROOF FRAMING PLAN - ADMINISTRATION  
 FOUNDATION PLAN - INSPECTION BARN  
 ROOF FRAMING PLAN - INSPECTION BARN  
 SECTIONS  
 SECTIONS  
 SECTIONS

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**DESCRIPTION OF SHEET**

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 FLOOR PLAN - INSPECTION BARN - HVAC  
 HVAC SCHEDULES AND DETAILS

**WKG. NO.**  
**SH. NO.**

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PLUMBING LEGEND, ABBREVIATIONS, AND GENERAL NOTES  
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 SITE PLAN - ELECTRICAL SITE LIGHTING  
 SITE PLAN - ELECTRICAL SITE LIGHTING  
 FLOOR PLAN - TRUCK SCALES BLDG. - LIGHTING  
 FLOOR PLAN - TRUCK SCALES - POWER & COMMUNICATIONS  
 FLOOR PLAN - INSPECTION BARN - LIGHTING  
 FLOOR PLAN - INSPECTION BARN - POWER & COMMUNICATIONS  
 ELECTRICAL DETAILS  
 ELECTRICAL DETAILS  
 ELECTRICAL DETAILS  
 ELECTRICAL DETAILS  
 ELECTRICAL DETAILS  
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 E1.2 492  
 E2.1 493  
 E2.2 494  
 E2.3 495  
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 E3.1 497  
 E3.2 498  
 E3.3 499  
 E3.4 500  
 E3.5 501  
 E3.6 502  
 E4.1 503

**CROSS SECTIONS ( 25 )**

WIM LANE, INCLUDING STATIC, BYPASS, AND TRUCK PARKING  
 INSPECTION LOOP ROAD

901-920  
 921-925

**TOTAL SHEETS 236**

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/12/2007 13:49:56 6381\_01-3.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
<b>DETAILED INDEX</b>			
PROJECT NO. IM-0010-01(122)			WORKING NUMBER
COUNTY : HANCOCK			DI-3
DATE	FILENAME:	6381 DI-3.DGN	SHEET NUMBER
DESIGN TEAM	NS	CHECKED	DATE
			4

**GENERAL NOTES**

1. A SOIL PROFILE PREPARED FOR THIS PROJECT, ON SAMPLES TAKEN FROM HOLES AT LOCATIONS INDICATED IN THE TEST REPORT(S), IS ON FILE IN THE DISTRICT AND CENTRAL CONSTRUCTION OFFICES AND IS AVAILABLE FOR EXAMINATION, THE DEPARTMENT DOES NOT GUARANTEE THAT THE MATERIAL AS SHOWN IN THE REPORT(S) ARE NECESSARILY TO BE FOUND OUTSIDE THE TEST HOLES.
2. TOEWALLS ARE REQUIRED AT ALL FLARED END SECTIONS.
3. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM REQUIRED TO PREVENT A FAILURE FROM OCCURRING DURING EXCAVATION. PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING AND CONSTRUCTING THE FACILITY ARE NOT CONSIDERED A SEPARATE PAY ITEM.
6. VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. EXISTING PARKING AREAS AND ROADWAYS TO BE SITE GRADED TO DRAIN AFTER REMOVAL OF DESIGNATED ASPHALT AND CONCRETE PAVEMENT. SITE GRADING WILL BE AT THE CONTRACTOR'S EXPENSE. (NOT A SEPARATE PAY ITEM).
8. ALL PIPE JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC, 24" WIDTH. ALL PICKUP HOLES ARE TO BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC TO THE SATISFACTION OF THE ENGINEER. (NOT A SEPARATE PAY ITEM).
9. ALL BOX CULVERT JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC, 6' WIDTH. (NOT A SEPARATE PAY ITEM).
10. FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE ICJS-1 FOR DETAILS).
11. ALL EXISTING CULVERT PIPES OR OTHER OBSTRUCTIONS WHICH CONFLICT WITH REQUIRED CONSTRUCTION SHALL BE REMOVED.
12. ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
13. ALL WORK ZONE CHANNELIZING DEVICES FOR OVERNIGHT LANE CLOSURES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 48 INCHES AND HAVE A BASE WITH A MINIMUM WEIGHT OF SIXTEEN (16) POUNDS. ALL TRANSITION TAPER AND LONGITUDINAL BUFFER SPACE CHANNELIZING DEVICES SHALL BE FREE STANDING PLASTIC DRUMS. ALL CHANNELIZING DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
14. CONES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF TEN (10) POUNDS. CONES USED IN SPEED ZONES EQUAL TO OR GREATER THAN 45 MPH SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF FIFTEEN (15) POUNDS. ALL CONES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
15. TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.
16. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
17. THE CONTRACTOR SHALL REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPARATE PAY ITEM).
18. THE LOCATION AND SPACING OF SIGNS SHOWN ON THE TRAFFIC CONTROL PLAN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
19. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
20. SOME WORK MAY BE REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE B.O.P. AND E.O.P. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS.
21. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM RESPONSIBILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT-OF-WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION.
22. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.
23. IN ORDER TO HOLD SILTATION TO A MINIMUM, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, DITCH CHECKS, ETC.) WHEN AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR THESE ITEMS OF WORK SHALL BE MADE UNDER THE APPROPRIATE PAY ITEMS.
24. EROSION CHECKS: QUANTITY ESTIMATED ON THE BASIS OF FOUR (4) BALES EVERY TWENTY FIVE (25) TO ONE HUNDRED (100) L.F. OF DITCH. EIGHT (8) BALES PER INLET AND FOUR (4) BALES PER PIPE OUTLET. THIS MAY BE REQUIRED AS A TEMPORARY EROSION CONTROL MEASURE TO MINIMIZE SILTATION UNTIL PERMANENT MEASURES ARE INSTALLED. THE ENGINEER WILL DETERMINE THE ACTUAL LOCATION AND NUMBER OF BALES DURING CONSTRUCTION (SEE WK. NO. TEC-1).
25. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
26. ALL SIZES OF FLARED END SECTIONS MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE JOINTS.
27. PAVED APRONS (PA-1) REQUIRED AT ALL MEDIAN INLETS.
28. REMOVAL OF RAISED PAVEMENT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.
29. 25% SHRINKAGE FACTOR AND THE BALANCE POINTS USED IN THE EARTHWORK DIAGRAM ARE FOR DESIGN PURPOSES ONLY.
30. NO LANE CLOSURES WILL BE PERMITTED BETWEEN THE HOURS OF 7:00 AM AND 6:00 PM.

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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		<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
		<b>GENERAL NOTES</b>	
		<b>PROJECT NO. IM-0010-01(122)</b>	
		<b>COUNTY : HANCOCK</b>	
		WORKING NUMBER GN-1	
		SHEET NUMBER 5	
DATE	FILENAME: 6381 NOTES.DGN	DESIGN TEAM	NS
		CHECKED	DATE