### $S \ E \ C \ T \ I \ O \ N \quad 9 \ 0 \ 5 \ -- \ P \ R \ O \ P \ O \ S \ A \ L \quad (CONTINUED)$

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for <u>five percent (5%) of total bid</u> and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDE	ENDUM NO.	1	DATED	11/19/20	)13	ADDENDUM NO.	DATE	D	
ADDE	ENDUM NO		DATED			ADDENDUM NO.	DATE	D	
Number 1	Supplement to	o SP No. Sheet Nos.	ption is, replace sar 907-107-14; R 2, 2002; Am	evise or	(Must Respec	L ADDENDA:1 agree with total addenda is ctfully Submitted,	-	opening of I	bids)
						Con	tractor		
					BY				
						Sig	nature		
					TITLE	3			
					ADDF	RESS			
					CITY,	, STATE, ZIP			
						IE			
						IL			
(To be fi	lled in if a cor	poration)							
titles and	Our corporation business addr					e of		and	the names,
	Pre	esident				Ad	dress		
	Sec	cretary				Ad	dress		
	Tre	easurer				Ad	dress		
The follo	owing is my (o	ur) itemiz	ed proposal.				06419301	Marras	County(ies)
Revised (	)9/21/2005					HSIP-0009-02(078) / 1	00410301	wanen	County(IeS)

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

### **TABLE OF CONTENTS**

### PROJECT: HSIP-0009-02(078) / 106418301 – Warren County

901--Advertisement

904Notice to Bidders:	Governing Specifications - # 1
	Final Cleanup - # 3
	Fiber Reinforced Concrete - # 640
	Errata & Modifications to 2004 Standard Specifications - # 1405
	Federal Bridge Formula - # 1928
	Status of ROW w/ attachments - # 2382
	Non-Quality Control / Quality Assurance Concrete - # 2818
	Reduced Speed Limit Signs - # 2937
	Alternate Asphalt Mixture Bid Items - # 3039
	Storm Water Discharge Associated w/ Construction Activities (>1 and
	<u>&lt;</u> 5 Acres) - # 3067
	Temporary Traffic Paint - # 3131
	Safety Edge - # 3585
	Additional Erosion Control Requirements - # 3612
	Type III Barricade Rails - # 3655
	Use of Precast Drainage Units - # 3704
	Petroleum Products Base Price - # 3893
	Questions Regarding Bidding - # 3980
	Disadvantaged Business Enterprise, w/ Supplement - # 4103
	Rumble Stripe - # 4189
	Safety Apparel - # 4214
	Alternate Crushed Stone Base Bid Items - # 4473
	DBE Forms, Participation and Payment - # 4488
	Warm Mix Asphalt (WMA) - # 4524
	Electronic Addendum Process - # 4526
	Manual on Uniform Traffic Control Devices (MUTCD) - # 4565
	DUNS Requirement for Federal Funded Projects - # 4566
	Adjustments for Bituminous Materials - # 4612
	Contract Time - # 4639
	Specialty Items - # 4640
	Payroll Requirements - # 4661
	Pay Item - # 4677

- 906- : Required Federal Contract Provisions -- FHWA 1273, w/ Supplements
- 907-101-4: Definitions
- 907-102-10: Bidding Requirements and Conditions
- 907-103-8: Award and Execution of Contract
- 907-104-1: Partnering Process
- 907-104-5: Scope of Work
- 907-105-7: Control of Work
- 907-107-13: Legal Relations & Responsibility to Public
- 907-107-14: Contractor's Protection Plan, <u>w/Supplement</u>
- 907-108-30: Prosecution and Progress

- CONTINUED ON NEXT PAGE -

- 907-109-6: Measurement and Payment
- 907-110-2: Wage Rates
- 907-216-1: Solid Sodding
- 907-225-3: Grassing
- 907-226-2: Temporary Grassing
- 907-227-10: Hydroseeding
- 907-237-4: Wattles
- 907-246-3: Sandbags & Rockbags
- 907-249-1: Riprap for Erosion Control
- 907-304-13: Granular Courses
- 907-401-2: Hot Mix Asphalt (HMA), w/ Supplement
- 907-401-6: Warm Mix Asphalt(WMA)
- 907-403-4: Hot Mix Asphalt (HMA), w/ Supplement
- 907-403-12: Warm Mix Asphalt (WMA)
- 907-407-1: Tack Coat
- 907-601-1: Structural Concrete
- 907-618-9: Placement of Temporary Traffic Stripe
- 907-626-25: Thermoplastic Traffic Markings
- 907-639-4: Traffic Signal Equipment Poles
- 907-642-5: Solid State Traffic Actuated Controllers
- 907-643-2: Closed Loop On Street Master System
- 907-644-1: Optical Emergency Vehicle Priority Control System
- 907-645-1: Be Prepared to Stop When Flashing Assembly
- 907-681-2: Submittal Data
- 907-682-13: Roadway Lighting System
- 907-684-1: Contractor Designed Pole Foundation
- 907-699-4: Construction Stakes
- 907-701-4: Hydraulic Cement
- 907-702-3: Polyphosphoric Acid (PPA) Modification of Petroleum Asphalt Cement
- 907-703-11: Aggregates
- 907-710-1: Fast Dry Solvent Traffic Paint
- 907-711-4: Snythetic Structural Fiber Reinforcement
- 907-713-3: Admixtures for Concrete
- 907-714-8: Miscellaneous Materials
- 907-715-4: Roadside Development Materials
- 907-720-2: Pavement Marking Materials
- 907-804-13: Concrete Bridges and Structures, <u>w/ Supplement</u>

SECTION 905 - PROPOSAL, PROPOSAL BID ITEMS

COMBINATION BID PROPOSAL

CERTIFICATION OF PERFORMANCE - PRIOR FEDERAL-AID CONTRACTS CERTIFICATION REGARDING NON-COLLUSION, DEBARMENT AND SUSPENSION SECTION 902- CONTRACT FORM, AND SECTION 903 - CONTRACT BOND FORMS FORM -- OCR-485

# (REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET OF SECTION 905 AS ADDENDA)

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

### SUPPLEMENT TO SPECIAL PROVISION NO. 907-107-14

DATE: 10/29/2013

### **SUBJECT:** Contractor's Protection Plan

<u>907-107.22.1--Contractor's Erosion Control Plan.</u> Delete the first sentence of the second paragraph of Subsection 907-107.22.1 on page 1, and substitute the following.

The time between the Notice of Award and Notice to Proceed/Beginning of Contract Time in the proposal, has been allowed for the submittal and concurrence of the Contractor's erosion control plan, MDOT's review of the plan, and any revisions that may be necessary.

STATEPROJECT NO.MISS.HSIP-0009-02(078)WKG.SH.NO.NO.	PSP-1 1001 SSD-1 1002 SSD-4C 1003		TSI-1 2001 TSD-1 2002 TSD-2 2003 TSD-3 2004 TSD-5 2005 TSD-6 2006	2 -	EL-1 4001 EL-2 4002 EL-3 4003 EL-4 4004	PM-1 PM-5 PM-6 EC-1	SN-33 6222 SN-3A 6223 SN-3B 6224 SN-4 6225 SN-4A 6226 SN-4B 6226 SN-6A 6230	SN-6B TCP-1 TCP-15 GT-1 PI-1 PC-1 FE-1	9001-9005	DEPARTMENT OF TRANSPORTATION ILED INDEX PRELIMINARY NOT FOR NOT FOR NOT FOR NOT FOR NOT FOR NORKING NUMBER ARREN SH.DGN SH.DGN SHEET NUMBER
						12-01-99	03-01-02	12-01-99		MISSISSIPPI DEPART MISSISSIPPI DEPART DETAILED DETAILED PROJECT NO.: HSIP COUNTY : WARREN COUNTY : WARREN DESIGN TAM GARVER CHECKED
DESCRIPTION OF SHEET	61 AT OAK RIDGE ROAD PREPARED TO STOP WHEN FLASHING ASSEMBLY PE A,B,C AND D POSTS		ON-US 61 AT OAK RIDGE ROAD HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES SIGNAL INSTALLATION NCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION JLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS DETAILS DETAILS FOR TRAFFIC SIGNAL INSTALLATION	IGNAL INSTALLATION)	61 AT OAK RIDGE ROAD 61 AT OAK RIDGE ROAD 61 AT OAK RIDGE ROAD 61 AT OAK RIDGE ROAD 61 AT OAK RIDGE ROAD AWINGS (19)	NE A	S S ASSEMBLY AND INSTALLATION ASSEMBLY AND INSTALLATION ASSEMBLY AND INSTALLATION S	PORTS N WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC) N FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN DE LANE CLOSURE) (WORK DAY ONLY) FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS NSITION BETWEEN CUTS AND FILLS LATION FOR CONCRETE PIPE FOR CONCRETE PIPE		GAVER, LLC         PS & E PLANS-DATE 08-27-2013         FMS CON. # 106418/301000         FMS CON. # 106418/301000         EMS CON. # 106418/301000         DATE       SHEET NO.         BY       11/152         10/29/13       5,7         10/28/13       2002         TWB         10/28/13       2002         TWB         10/28/13       2002
	PERMANENT SIGNS (3) Permanent signing plans-us 6 Special post design for Be pl Breakway sign supports type	TRAFFIC SIGNALS (7)	TRAFFIC SIGNAL INSTALLATION-US 61 DETAIL OF TRAFFIC SIGNAL HEADS, TF LOOP DETAILS FOR TRAFFIC SIGNAL J PULL BOX AND CONDUIT TRENCHING D TYPICAL DETAILS OF CONTROLLER CA AND MISCELLANEOUS DETAILS MAST ARM AND PEDESTAL POLE DETA	TIC CONTROL PL	LIGHTING INSTALLATION I US 61 LIGHTING INSTALLATION II US 61 LIGHTING INSTALLATION III US 6 LIGHTING INSTALLATION IV US 6 LIGHTING INSTALLATION IV US 6	ARKING DETAILS F ARKING LEGEND DE ARKING LEGEND DE ARKING LEGEND DE TROL	STANDARD ROADSIDE SIGNS STANDARD ROADSIDE SIGNS STANDARD ROADSIDE SIGNS STANDARD ROADSIDE SIGN ASSE STANDARD ROADSIDE SIGN ASSE STANDARD ROADSIDE SIGN ASSE BREAKAWAY SIGN SUPPORTS	SIGN SUPPORTS TROL PLAN WITH TROL PLAN FOR OR OUTSIDE LANE STRIPING FOR TR DING TRANSITION T INSTALLATION PE COLLAR SECTION FOR CO	CROSS SECTIONS (5) US 61 TOTAL SHEETS (84)	
SH. NO.	1	CV M	4	6 7 8	9 11 12 13	14	15 16 17 18 20 20	21 23 24 26 28 29 29	30 31 35 36 37 37 38 37 39	4 7 4 4 4 4 9 9 4 4 9 9 9 9 9 9 9 9 9 9
WKG.	1	DI-1 GN-1	TS-1	SQS-1 SQS-2 SQS-3 FQ-1	ЕQ-2 ЕQ-3 ЕQ-5 БО-6	M	ID-1 PMD-1 CRPMSR-4 CS-1 TC-1 TC-2	TCP-SC SDTCP-10 R16-3 RS-4L VS-1 ECD-1 ECD-2 ECD-3 ECD-3	ECD-5 ECD-6 ECD-7 ECD-8 ECD-9 ECD-10 ECD-11 ECD-12 ECD-13 ECD-13	ECD-15 ECD-17 ECD-18 ECD-19 ECD-20 DT-1

& SAGS N DEVICE

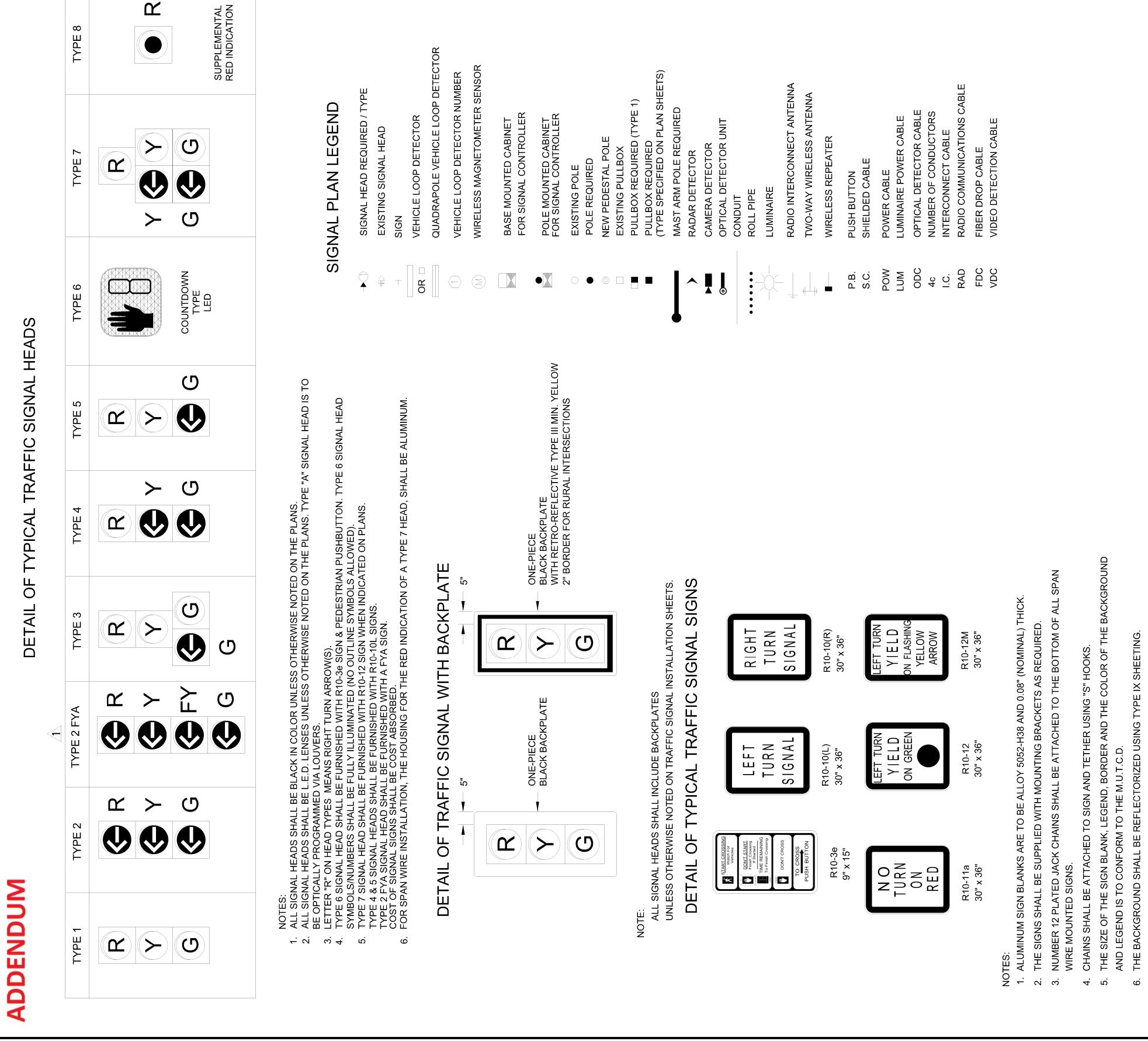
	7
1	
1	2
	7
i	
	0
1	4

# DESCRIPTION OF SHEET

ROADWAY (46)

TITLE SHEET (1)
DETAILED INDEX (2)
DETAILED INDEX GENERAL NOTES
TYPICAL SECTIONS (1)
TYPICAL SECTIONS
QUANTITY SHEETS (9)
SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES ESTIMATED QUANTITIES-EARTHWORK, ASPHALT & PAVEMENT MARKINGS ESTIMATED QUANTITIES-EARTHWORK, ASPHALT & PAVEMENT MARKINGS ESTIMATED QUANTITIES-EARTHWORK, ASPHALT & PAVEMENT MARKINGS ESTIMATED QUANTITIES-STANDARD ROADSIDE SIGN SSEMBLIES REQUIRED ESTIMATED QUANTITIES-STANDARD ROADSIDE SIGN ASSEMBLIES REQUIRED ESTIMATED QUANTITIES-TRAFFIC SIGNAL ITEMS ESTIMATED QUANTITIES-TRAFFIC SIGNAL ITEMS ESTIMATED QUANTITIES-TRAFFIC SIGNAL ITEMS
PLAN AND PROFILE SHEETS (1)
US HWY 61
SPECIAL DESIGN SHEETS (32)
CTION DETAIL IT MARKING DETAIL 2-WAY CLEAR RAISED PAVEMENT MAI ICTION SIGNING PLAN
TRAFFIC CONTROL PLAN - RIGHT SHOULDER CLOSURE TRAFFIC CONTROL PLAN - RIGHT LANE CLOSURE DRIIM PI ACEMENT AND SHOILI DER CLOSURE
D BARRICADE DE
I I
VEGETATION SCHEDULE EROSION CONTROL DETAIL-TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS FROSION CONTROL DETAIL-DETAILS OF SEDIMENT RARIER APPLICATIONS
SION CONTROL DETAIL DETAILS OF SILT FENCE INSTALLATION
SION CONTROL DETAIL-DITCH CHECK STRU SION CONTROL DETAIL-TEMPORARY EROSIC
CONTROL DETAIL-DETAILS OF
CONTROL DETAIL-ROCK DITCH CHECK CONTROL DETAIL-ROCK DITCH CHECK WITH SUN
EROSION CONTROL DETAIL-INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS EROSION CONTROL DETAIL-INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES &
CONTROL DETAIL-INLET PROTECTION DETAILS OF WATTLES
SION CONTROL DETAIL-INLET PROTECTION DETAILS OF SAND BAG
EROSION CONTROL DETAIL-STABILIZED CONSTRUCTION ENTRANCE EROSION CONTROL DETAIL-TEMPORARY CULVERT STREAM CROSSING
SION CONTROL DETAIL-TEMPORARY STREAM DIVERSION
SION CONTROL DETAIL-TEMPURART STREAM DIVERSION (BUA EATENSION SION CONTROL DETAIL-FLOATING TURBIDITY CURTIN
ekusiun cunikul deiail-deiails uf ekusiun cunikul sandbag diich check Details of typical ditch treatments

GENERAL	NOTES MISS.	E PROJECT NO.
BLE SHALL BE EITHER IMSA 40-2 OR ABLE, STRANDED. AWG NUMBER AND JCTORS AS SHOWN ON PLANS.	16. IF IT IS NECESSARY TO RUN ELECTRIC SERVICE CABLE FROM POLE TO ANOTHER, THE SERVICE CABLE SHALL BE LASHED TO SEPARATE MESSENGER CABLE LOCATED 1 FOOT MIN. ABOVE SIGNAL CABLE.	ILE FROM ONE LASHED TO A N. ABOVE THE
BLE SHALL BE IMSA 20-1-1991 SIGNAL AWG NUMBER AND NUMBER OF CONDUCTORS VS.	17. VEHICLE LOOP ASSEMBLIES SHALL BE INSTALLED IN THE TOP LAYER OF BINDER OR EXISTING SURFACE BEFORE THE FINAL SURFACE COURSE IS APPLIED.	I THE TOP THE FINAL
BLE SHALL BE IMSA 20-1 2 CONDUCTOR CABLE, STRANDED. HOWN ON PLANS. ED CABLE SHALL BE IMSA 50-2 SIGNAL RANDED COPPER CONDUCTORS, UNLESS ON THE PLANS.	<ul> <li>18. PEDESTRIAN PUSHBUTTONS AND SIGNS TO BE INCLUDED IN PAY ITEM FOR TYPE 6 HEADS AT NO ADDITIONAL COST. SIDE OF POLE LOCATIONS OF PUSHBUTTONS MAY BE FIELD ADJUSTED.</li> <li>19. FIELD DRILL AND TAP EXISTING POLES WHERE PEDESTRIAN</li> </ul>	UDED IN PAY SIDE OF POLE TED. STRIAN
NDS, EQUIPMENT BOXES, PULLBOXES AND ARIED SLIGHTLY TO FIT FIELD CONDITIONS AS ENGINEER. HOWEVER, SIGNAL HEAD OR POLE BE WITHIN REQUIREMENTS OUTLINED IN THE THE MANUAL ON UNIFORM TRAFFIC CONTROL WAY DESIGN AND OPERATIONAL PRACTICES IAY SAFETY.	<ul> <li>20. REFER TO WORKING NUMBER TSD-5 "CONDUIT ENTRANCE DETAIL"</li> <li>20. REFER TO WORKING NUMBER TSD-5 "CONDUIT ENTRANCE DETAIL"</li> <li>20. REFER TO WORKING NUMBER TSD-5 "CONDUIT ENTRANCE DETAIL"</li> <li>20. REFER TO WORKING NUMBER TSD-5 "CONDUIT ENTRANCE DETAIL"</li> <li>21. MESSENGER CABLE AND OTHER SUPPORTING DEVICES WHERE</li> <li>21. MESSENGER CABLE AND OTHER SUPPORTING DEVICES WHERE</li> </ul>	ANS. RANCE DETAIL" SIGNAL POLES CES WHERE
ATIONS OF EXISTING SIGNAL INSTALLATIONS 5" BELOW GROUND OR REMOVED AND AREA CH ADJACENT SURFACE AS DIRECTED BY THE HALL BE REQUIRED AS SHOWN ON PLANS RE LOOPS ARE CONNECTED TO THE SAME	CABLE. 22. FOR PROTECTED/PERMITTED LEFT TURN PHASING: TRAFFIC SIGNAL HEADS (FIVE SECTION HEADS) SHAI SUCH THAT THE CIRCULAR INDICATIONS DISPLAYED IDENTICAL AND SIMULTANEOUS TO THE CIRCULAR IN	YPE 7 OR 7A LL OPERATE WILL BE IDICATIONS FOR
ALL BE WIRED IN SERIES. SHALL PROVIDE MAST ARM POLE DESIGN CALCULATIONS AS OUTLINED IN SECTION D SPECIFICATIONS. DESIGN STANDARD FOR SHALL BE 2001 AASHTO STANDARD IR STRUCTURAL SUPPORTS FOR HIGHWAY AND TRAFFIC SIGNALS. USE FATIGUE DT CONSIDER GALLOPING OR TRUCK FORCES. N LIFE. WIND AND ICE LOADS VARIABLE IN THE 2001 AASHTO SPECIFICATION. USE	THE ADJACENT THROUGH MOVEMENT SIGNAL HEADS; A CIRCULAR RED AND EITHER A GREEN ARROW OR YELLOW ARROW MAY BE DISPLAYED SIMULTANEOUSLY IN THE SAME FIVE SECTION HEAD. FOR TYPE 2 FYA TRAFFIC SIGNAL HEADS, OPERATION SHALL BE AS FOLLOWS: THE PROTECTED PHASE OF THIS OPERATION SHALL DISPLAY A SOLID GREEN ARROW, FOLLOWED BY A SOLID YELLOW ARROW, AND ENDING WITH A SOLID RED ARROW. THE PERMITTED PORTION OF THIS OPERATION SHALL START WITH A FLASHING YELLOW ARROW, FOLLOWED BY A SOLID YELLOW ARROW, AND FONDING WITH A SOLID RED ARROW. THER SHALL BE AS PORTION OF THIS OPERATION SHALL START WITH A FLASHING YELLOW ARROW, FOLLOWED BY A SOLID YELLOW ARROW, AND FNDING WITH A SOLID RED ARROW THERE SHALL BE A DFLAY (AS	S; A CIRCULAR DW MAY BE DW MAY BE CTION HEAD. N SHALL BE AS ION SHALL OLID YELLOW E PERMITTED FLASHING ROW, AND
REQUIRED SIZES, LENGTHS AND GAUGES OF STEEL POLES SHALL BE THE THE CONTRACTOR IN ACCORDANCE WITH THE N 722.02 OF THE STANDARD SPECIFICATIONS, E SPECIFIED IN PLANS OR SPECIFICATIONS.	DIRECTED BY THE ENGINEER) BETWEEN THE END OI PORTION OF THIS OPERATION AND THE BEGINNING ( PERMITTED PORTION OF THIS OPERATION. DURING THE OPPOSING PHASE THRU HEADS ARE CAPABLE ( GREEN BALL. SIGNAL CONTROLLER WITH FIRMWARE	THE PROTECTED DF THE THIS DELAY, DF DISPLAYING A NECESSARY TO
TRAIN POLE FOUNDATION SHALL BE 6" ID. THE CONTRACTOR SHALL PROVIDE POLES JGTH PLUS 2 FEET TO PROVIDE REQUIRED VCE OF THE TRAFFIC SIGNAL HEADS WITHOUT NUNDATION ABOVE THE GROUND LINE OF THE POLE IS LOCATED, EVEN THOUGH THIS MAY ISHED GRADE OF THE ROADWAY.	<ul> <li>23. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY</li> <li>23. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY</li> <li>23. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY</li> <li>24. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING FINAL INSPECTION</li> </ul>	NG TEMPORARY AY CONSTRUCTION AFFIC SIGNALS. VAL INSPECTION ND TRAFFIC T.
LIZE THE SAME BOLT CIRCLE SPACING. S AND BASE MOUNTED CABINET FOUNDATIONS, STABLISHED TO ±3" OF EDGE OF PAVEMENT ELEVATION HE ENGINEER	<ol> <li>THERE SHALL BE A 30 DAY BURN IN PERIOD FROM THE TIME THE SIGNAL IS OPERATIONAL AS OUTLINED IN SECTION 634.03.3 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.</li> <li>EMERGENCY VEHICLE PREMPTION (WHERE REQUIRED ON THE P SHALL HAVE A SECURITY ENABLED PHASE SELECTOR.</li> </ol>	IE TIME THE 34.03.3 OF OAD AND ED ON THE PLANS) R.
LL PHASES INCLUDING FUTURE PHASES IN H THE PHASE SEQUENCE DIAGRAM. FIC SIGNAL EQUIPMENT SHALL BE REMOVED THE CONTRACTOR WITH THE COST TO BE S OTHERWISE NOTED IN THE PLANS. ES, CABINETS, CONTROLLERS, EADS, AND OTHER ITEMS AS NOTED ON STOCKPILED AS DIRECTED BY THE ENGINEER ATE FORCES OR AS NOTED ON PLANS. ALL JIPMENT SHALL BECOME THE PROPERTY OF		
SHALL BE REQUIRED TO PROVIDE ELECTRICAL E POWER COMPANY SERVICE POINT TO THE INTROLLER. FOR SPAN WIRE INSTALLATION, FROM THE POWER COMPANY SERVICE POINT NAL POLE NEAREST THE CONTROLLER, THE EN RUN TO THE CONTROLLER AS SHOWN ON AST ARM INSTALLATION, POWER SHALL RUN COMPANY SERVICE POINT UNDERGROUND OWER SERVICE POINT UNDERGROUND OWER SERVICE POINT UNDERGROUND OWER SERVICE PANEL, THEN TO THE HOWN ON THE PLANS. THE CONTRACTOR CATION WITH THE POWER COMPANY IN ADVANCE ERVICE. INSTALLATION OF NEW SERVICE POLE ERVICE. INSTALLATION OF NEW SERVICE POLE	E 2 FYA SIGNAL HEAD REVISION BETAIL OF TRAFI SIGNAL HEADS, TR' SIGNAL HEADS, TR' SIGNAL HEADS, TR' BETAIL OF TRAFI SIGNAL HEADS, TR' BETAIL OF TRAFI DETAIL OF TRAFI SIGNAL HEADS, TR' DETAIL OF TRAFI SIGNAL HEADS, TR' DETAIL OF TRAFI	TRANSPORTATION RAFFIC S, AND DTES
	PROJECT NO.: HSIP-0009-02(07       COUNTY: WARREN       FILENAME: TSD-1.DGN       DESIGN TEAM       GRVER       CHECKED	8) WORKING NUMBER TSD-1 SHEET NUMBER 2002



SIGNAL HEAD REQUIRED / T EXISTING SIGNAL HEAD SIGN VEHICLE LOOP DETECTOR N VEHICLE LOOP DETECTOR N WIRELESS MAGNETOMETER WIRELESS MAGNETOMETER POLE MOUNTED CABINET FOR SIGNAL CONTROLLER FOR SIGNAL CONTROLLER POLE MOUNTED CABINET FOR SIGNAL CONTROLLER POLE REQUIRED NEW PEDESTAL POLE POLL BOX REQUIRED (TYPE SPECIFIED ON PLAN & MAST ARM POLE REQUIRED (TYPE PULLBOX REQUIRED REQUIRED (TYPE	4 DDC S. C. S.
INTERCONNECT CABLE	
INTERCONNECT CABLE	C
NUMBER OF CONDUCTORS	4c
OPTICAL DETECTOR CABLE	ODC
LUMINAIRE POWER CABLE	LUM
POWER CABLE	POW
	0.C.
PUSH BUTTON SHIFI DED CARI F	а с С
ואטרדו ומ דוטו ומ	ם כ
WIRELESS REPEATER	
TWO-WAY WIRELESS ANTE	+++
	_ +
RADIO INTERCONNECT ANT	-
LUMINAIRE	
1	_)
ROLL PIPE	• • •
CONDUIT	
OPTICAL DETECTOR UNIT	
CAMERA DETECTOR	
RADAR DETECTOR	•
MAST ARM POLE REQUIRED	I
(TYPE SPECIFIED ON PLAN	
PULLBOX REQUIRED	
PULLBOX REQUIRED (TYPE	
(	
NEW PEDESTAL POLE	Ø
POLE REQUIRED	
EXISTING POLE	0
POLE MOUNTED CABINET FOR SIGNAL CONTROLLER	
FOR SIGNAL CONTROLLER	
BASE MOUNTED CABINET	
WIRELEOO MAGNE LOME LEF	$\geq$
	(
VEHICLE LOOP DETECTOR N	$\langle - \rangle$
QUADRAPOLE VEHICLE LOC	
VEHICLE LOOP DETECTOR	OR 🛛
SIGN	_ [
EXISTING SIGNAL HEAD	ŧ
SIGNAL HEAD REQUIRED /	
ר/ הזמוווהסם הגוויויסיט	

- 1. INTERCONNECT CABLE SHALL IMSA 40-4 SIGNAL CABLE, STR/ NUMBER OF CONDUCTORS AS
- SIGNAL SUPPLY CABLE SHALL CABLE, STRANDED. AWG NUMI AS SHOWN ON PLANS.
- 3. POWER SUPPLY CABLE SHALL AWG NUMBER AS SHOWN ON DETECTOR SHIELDED CABLE ( CABLE, AWG #14 STRANDED C OTHERWISE NOTED ON THE PI
- POLES, SIGNAL HEADS, EQUIPME CONDUIT MAY BE VARIED SLIGHT DIRECTED BY THE ENGINEER. HC LOCATIONS SHALL BE WITHIN RE LATEST EDITION OF THE MANUAL DEVICES AND HIGHWAY DESIGN RELATED TO HIGHWAY SAFETY.
- POLES AND FOUNDATIONS OF E SHALL BE CUT OFF 6" BELOW G RESTORED TO MATCH ADJACEN ENGINEER.
  - 7. LOOP AMPLIFIERS SHALL BE RE WHERE TWO OR MORE LOOPS CHANNEL, THEY SHALL BE WIR
- 8. THE CONTRACTOR SHALL PROVIL CERTIFICATION AND CALCULATIC 722.02 OF STANDARD SPECIFICAT MAST ARMS POLES SHALL BE 200 SPECIFICATIONS FOR STRUCTUR SIGNS, LUMINAIRES AND TRAFFIC CATEGORY II. DO NOT CONSIDER USE 50 YEAR DESIGN LIFE. WIND BASED UPON MAPS IN THE 2001 *P* UPSWEPT MAST ARMS.
- DETERMINATION OF REQUIRED S TYPE I, II, III AND IV STEEL POLES RESPONSIBILITY OF THE CONTR PLANS AND SECTION 722.02 OF T UNLESS OTHERWISE SPECIFIED
- 10. THE TOP OF THE STRAIN POLE F ABOVE THE GROUND. THE CONT OF SUFFICIENT LENGTH PLUS 2 VERTICAL CLEARANCE OF THE T EXTENDING THE FOUNDATION A POINT WHERE THE POLE IS LOC BE BELOW THE FINISHED GRADE
- 11. ALL STRAIN POLES

- 12. POLE FOUNDATIONS AND BAS GRADE SHALL BE ESTABLISHE AS DIRECTED BY THE ENGINEI
- TRAFFIC SIGNAL CABINETS AN TO PROVIDE FOR ALL PHASES ACCORDANCE WITH THE PHAS
- 14. ALL EXISTING TRAFFIC SIGNAL E AND SALVAGED BY THE CONTR/ ABSORBED, UNLESS OTHERWIS THE EXISTING POLES, CABINETS TRAFFIC SIGNAL HEADS, AND O<sup>-</sup> PLANS ARE TO BE STOCKPILED , FOR PICKUP BY STATE FORCES OTHER SIGNAL EQUIPMENT SHA THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RE SERVICE FROM THE POWER CON TRAFFIC SIGNAL CONTROLLER. F POWER SHALL RUN FROM THE P AERIAL TO THE SIGNAL POLE NE, SERVICE SHALL THEN RUN TO TH THE PLANS. FOR MAST ARM INST FROM THE POWER COMPANY SE DIRECTLY TO THE POWER SERVI CONTROLLER, AS SHOWN ON TH SHALL MAKE APPLICATION WITH OF NEEDING THE SERVICE. INST/ (IF NEEDED) IS THE RESPONSIBIL IS COST ABSORBED. 15.