

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

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

ADDENDUM NO. <u> 1 </u>	DATED <u> 11/14/2018 </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>

Number	Description
1	Revised Table of Contents; Added NTB No. 1198; Revised Bid Items; Added or Revised Plan Sheet Nos.2, 3, 5, & 2001-2003; Amendment EBS Download Required.

TOTAL ADDENDA: 1
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____ President	_____ Address
_____ Secretary	_____ Address
_____ Treasurer	_____ Address

The following is my (our) itemized proposal.

SP-0038-01(034)/ 107118301000

Winston County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: SP-0038-01(034)/107118301 - Winston

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

11/14/2018 03:57 PM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1198

CODE: (SP)

DATE: 11/14/2018

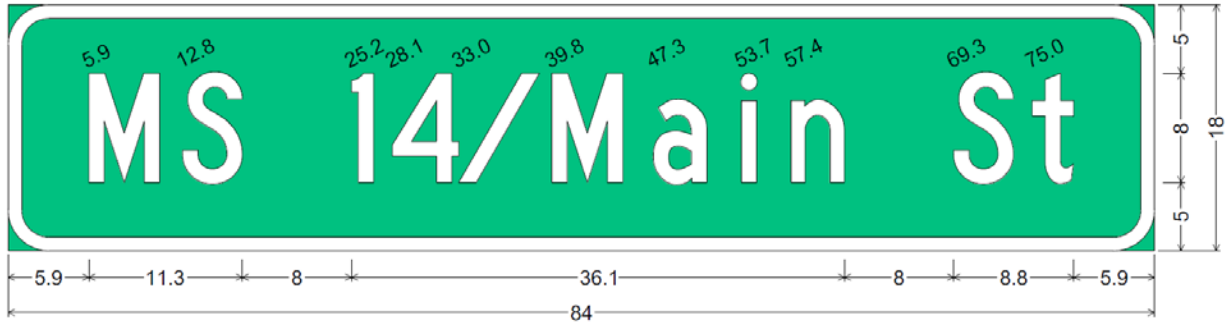
SUBJECT: Additional Sign Information

PROJECT: SP-0038-01(034) / 107118301 – Winston County

Bidders are hereby advised that the attached drawings shall be referenced for information and dimensions regarding the street name signs shown on Working Number TSI-1 (Sheet Number 2001), Working Number TSI-2 (Sheet Number 2002) and Working Number TSI-3 (Sheet Number 2003).

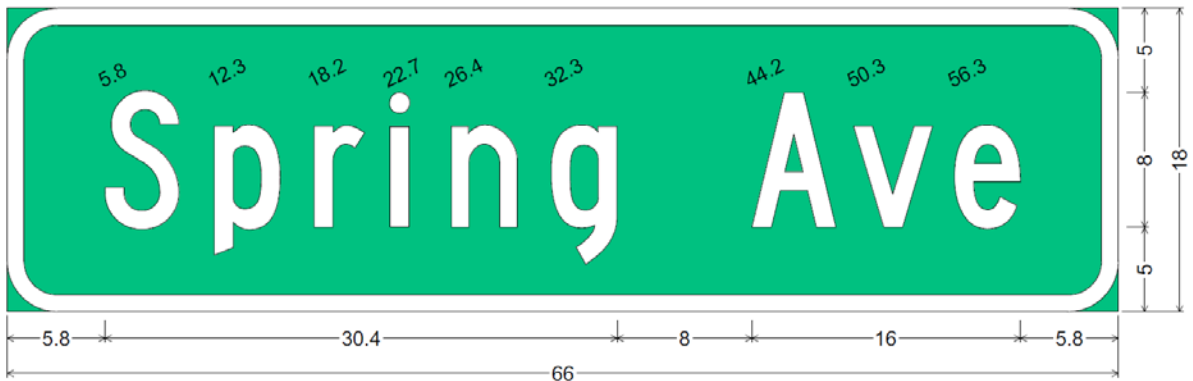
MAST ARM SIGN DIMENSIONS:

1. Use this sign template for the Main St and MS HWY 14/Main St Signs shown on TSI-1 (2001), TSI-2 (2002), and TSI-3 (2003). (18" x 84")



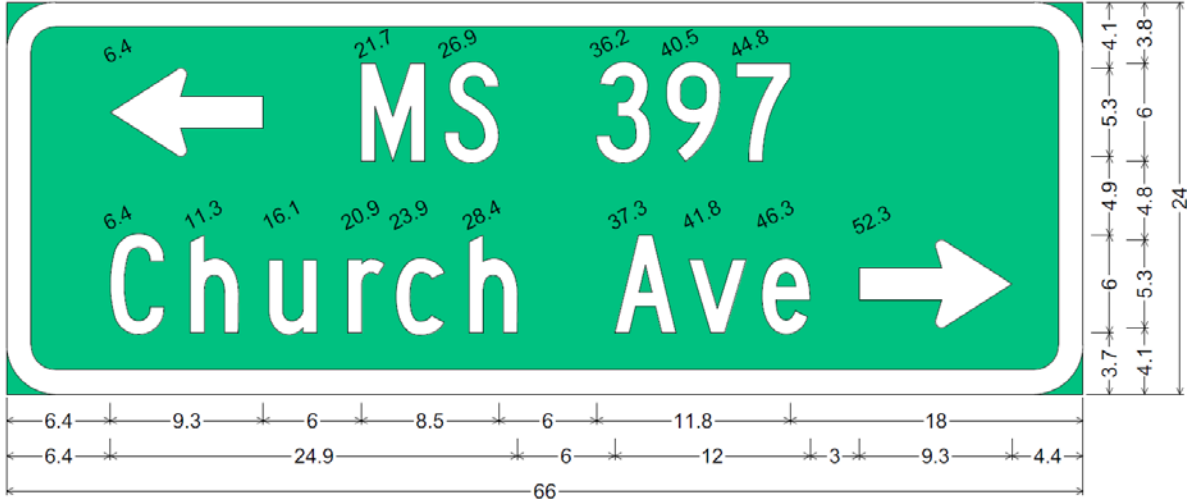
3.0" Radius, 1.0" Border, White on Green;
"MS 14/Main St" C;

2. Use this sign template for the Spring Ave sign shown on TSI-1(2001). (18" x 66")

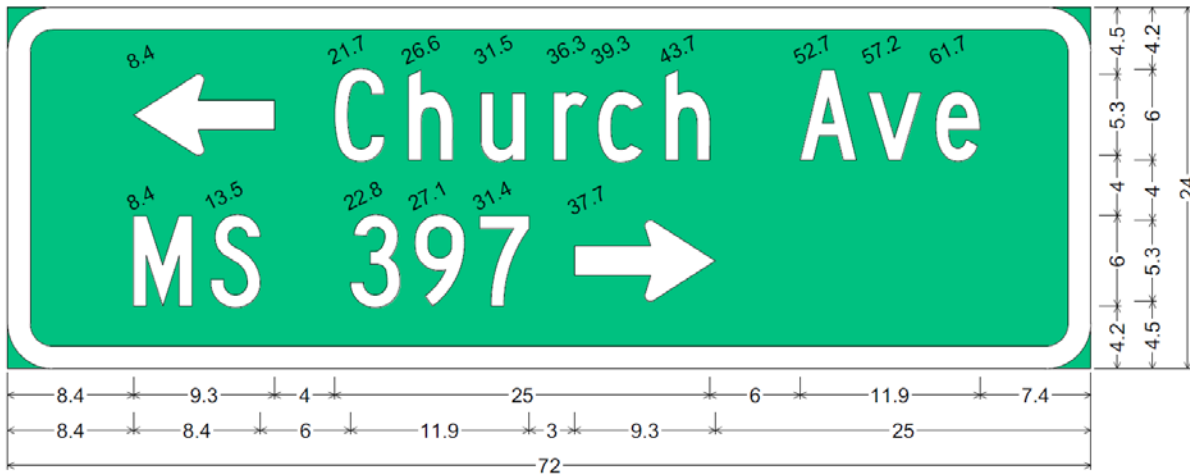


3.0" Radius, 1.0" Border, White on Green;
"Spring Ave" C;

- 3. Use the following 2 sign templates for the Hwy 397/Church Ave and Church Ave/ Hwy 397 signs shown on TSI-2(2002). (24" x 66") and (24" x 72")

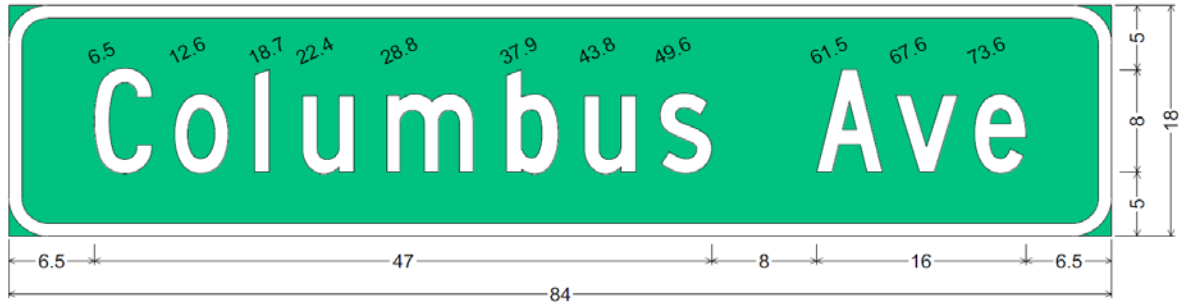


3.0" Radius, 1.5" Border, White on Green;
Standard Arrow Custom 9.4" X 5.4" 180°; "MS 397" C; "Church Ave" C; Standard Arrow Custom 9.4" X 5.4" 0°;



3.0" Radius, 1.5" Border, White on Green;
Standard Arrow Custom 9.4" X 5.4" 180°; "Church Ave" C; "MS 397" C; Standard Arrow Custom 9.4" X 5.4" 0°;

4. Use this sign template for the Columbus Ave sign shown on TSI-3(2003). (18" x 84")



3.0" Radius, 1.0" Border, White on Green;
"Columbus Ave" C;

Intersection Improvements on SR 14 at Spring Avenue, Church Avenue / SR 397, and Columbus Avenue in the City of Louisville, known as State Project No. SP-0038-01(034) / 107118301 in Winston County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	202-B080		163	Square Yard	Removal of Concrete Sidewalk
0020	202-B240		254	Linear Feet	Removal of Traffic Stripe
0030	503-C010		489	Linear Feet	Saw Cut, Full Depth
0040	608-A001	(S)	163	Square Yard	Concrete Sidewalk, Without Reinforcement
0050	618-A001		1	Lump Sum	Maintenance of Traffic
0060	619-D1001		136	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0070	619-D2001		20	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0080	619-G4001		24	Linear Feet	Barricades, Type III, Double Faced
0090	620-A001		1	Lump Sum	Mobilization
0100	626-C003		2,422	Linear Feet	6" Thermoplastic Edge Stripe, Continuous White
0110	626-D004		524	Linear Feet	6" Thermoplastic Traffic Stripe, Skip Yellow
0120	626-E003		3,218	Linear Feet	6" Thermoplastic Traffic Stripe, Continuous Yellow
0130	626-G001		180	Linear Feet	Thermoplastic Detail Stripe, Blue-ADA
0140	626-G002		1,699	Linear Feet	Thermoplastic Detail Stripe, White
0150	626-G003		1,280	Linear Feet	Thermoplastic Detail Stripe, Yellow
0160	626-H004		483	Square Feet	Thermoplastic Legend, White
0170	626-H005		4,576	Linear Feet	Thermoplastic Legend, White
0180	635-A059		24	Each	Traffic Signal Head, Type 1
0190	635-A065		10	Each	Traffic Signal Head, Type 2 FYA
0200	635-A076		16	Each	Traffic Signal Head, Type 6
0210	647-A001		1	Lump Sum	Removal of Existing Traffic Signal Equipment
0220	699-A001		1	Lump Sum	Roadway Construction Stakes
0230	907-619-E3001		2	Each	Changeable Message Sign
0240	907-632-A007		2	Each	Solid State Traffic Cabinet Assembly, Type III Cabinet, Type 1 Controller
0250	907-632-C001		1	Each	Modify Existing Traffic Signal Cabinet Assembly
0260	907-632-D001		1	Each	Solid State Traffic Actuated Controller, Type 1
0270	907-632-D004		1	Each	Solid State Traffic Actuated Controller, Type M
0280	907-632-G001		1	Each	Malfunction Management Unit
0290	907-632-J001		1	Each	Power Service Pedestal
0300	907-634-A044		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 40' Arm
0310	907-634-A045		2	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 45' Arm
0320	907-634-A046		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 50' Arm

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	907-634-A079		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 25' Arm
0340	907-634-A081		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 35' Arm
0350	907-634-A366		1	Each	Traffic Signal Equipment Pole, Type III, 17' Shaft, 30' & 45' Arms
0360	907-634-A384		1	Each	Traffic Signal Equipment Pole, Type III, 17' Shaft, 40' & 50' Arms
0370	907-634-A391		1	Each	Traffic Signal Equipment Pole, Type III, 17' Shaft, 45' & 50' Arms
0380	907-634-A545		9	Each	Traffic Signal Equipment Pole, Type VI, 8' Shaft
0390	907-634-C001		41	Cubic Yard	Pole Foundations, Class "B" Concrete
0400	907-636-B003		460	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 10, 2 Conductor
0410	907-636-B014		1,356	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor
0420	907-636-B016		1,000	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
0430	907-636-B028		104	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 3 Conductor
0440	907-636-D008		645	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 8 Conductor
0450	907-637-A002		8	Each	Pullbox Enclosure, Type 2
0460	907-637-A003		3	Each	Pullbox Enclosure, Type 3
0470	907-637-C026		118	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 1"
0480	907-637-C028		186	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"
0490	907-637-C030		110	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
0500	907-637-D003		717	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
0510	907-643-A004		6	Each	Video Vehicle Detection Sensor, Type 1A
0520	907-643-B001		700	Linear Feet	Video Vehicle Detection Cable
0530	907-643-E001		6	Each	Multi-Sensor Vehicle Detection Sensor
0540	907-643-F001		734	Linear Feet	Multi-Sensor Vehicle Detection Cable
0550	907-645-B001		16	Each	Accessible Pedestrian Detection Assembly
0560	907-653-A001		45	Square Feet	Traffic Sign
0570	907-653-B001		84	Square Feet	Street Name Sign
0580	907-662-A001		2	Each	Radio Interconnect, Installed in New Controller Cabinet
0590	907-662-B001		1	Each	Radio Interconnect, Installed in Existing Controller Cabinet
0600	907-663-C001		1	Each	Cellular Modem , Furnished by MDOT

ADDENDUM

FMS CON: 107118-301000

STATE	PROJECT NO.
MISS.	SP-0038-01(034)

DESCRIPTION OF SHEET

DESCRIPTION	WKG. NO.	SH. NO.
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DETAILED INDEX AND GENERAL NOTES	DI-1	2
QUANTITY SHEETS (5)		
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SUMMARY OF QUANTITIES	SQ-2	4
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ESTIMATED QUANTITIES - TRAFFIC SIGNALS	EQ-2	6
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS	EQ-3	7
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SAWCUT DETAIL	MDS-1	9
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PAVEMENT MARKING DETAILS	PMD-2	11
PAVEMENT MARKING DETAILS	PMD-3	12
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TRAFFIC SIGNAL INSTALLATION HIGHWAY 14 AT CHURCH AVENUE/US HWY 397	TSI-2	2002
TRAFFIC SIGNAL INSTALLATION HIGHWAY 14 AT COLUMBUS AVENUE	TSI-3	2003
TRAFFIC SIGNAL GENERAL NOTES	TSD-1	2004
TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND WIND SPEEDS	TSD-2	2005
CURVED MAST ARM AND PEDESTAL POLE DETAILS	TSD-3C	2006
SIGNAL POLE AND PEDESTAL POLE FOUNDATION DETAILS	TSD-4	2007
TRAFFIC SIGNAL GROUNDING DETAILS	TSD-5	2008
CONTROLLER CABINET AND POWER SERVICE DETAILS	TSD-6	2009
POWER SERVICE PEDESTAL	TSD-7	2010
PULLBOX AND CONDUIT TRENCHING DETAILS	TSD-8	2011
VIDEO/MULTI-SENSOR DETECTION INSTALLATION FOR TRAFFIC SIGNALS	TSD-9V	2012
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)	TSD-10	2013
STREET NAME SIGN DETAILS	TSD-11	2014
STANDARD DRAWINGS SHEETS (1)		
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)	TCP-1	6351

GENERAL NOTES:

- ① ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION AND ALL SUBSEQUENT REVISIONS).
- ② UNDERGROUND UTILITIES WHEN SHOWN ON PLANS ARE PLOTTED IN THEIR APPROXIMATE LOCATIONS FROM THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR GUARANTEE THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INVESTIGATIONS AS MAY BE NECESSARY.
- ③ ALL POLES, PULLBOXES, CONTROLLERS AND PAVEMENT MARKINGS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.
- ④ ALL RAISED OBJECTS ARE TO BE PLACED A MINIMUM OF 2.5 FT. BEHIND FACE OF CURB.
- ⑤ CONTROLLER TIMINGS TO BE PROVIDED BY THE ENGINEER.
- ⑥ CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE. ALL COSTS ASSOCIATED WITH THIS SHALL BE ABSORBED INTO OTHER PAY ITEMS. SEE NOTE 21, TSD-1
- ⑦ FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS, EXCEPT FOR THOSE DESIGNATED IN THE PLANS TO BE BLACK LEGEND ON BORDER AND WHITE BACKGROUND
- ⑧ ALL CONTROLLERS SHALL BE ETHERNET READY AND COMPATIBLE WITH MDOT'S EXISTING TRAFFIC SIGNAL MANAGEMENT SOFTWARE. SIGNALS TO BE INTERGRATED INTO MDOT'S EXISTING SERVER.
- ⑨ SEE SHEET WORKING NUMBER TSD-1 FOR ADDITIONAL GENERAL NOTES.
- ⑩ ALL POLES SHALL BE BLACK IN FINISH.
- ⑪ CONTRACTOR SHALL SALVAGE THE EXISTING SIGNS AND TRAFFIC SIGNAL EQUIPMENT TO THE MDOT
- ⑫ CONTRACTOR SHALL REMOVE ALL OLD CABLES THAT ARE NOT IN USE (COST ABSORBED)
- ⑬ THE PEDESTRIAN SIGNALS SHALL BE FULLY APS STYLE. PUSHBUTTONS TO BE WITHIN 10" REACH OF THE SIDEWALK.
- ⑭ UTILITIES:
 NATURAL GAS - ATMOS ENERGY - 662-289-3223, EXT 201
 TELEPHONE - C SPIRE - 662-871-9432
 CABLE TV - MAXX SOUTH - 601-575-6361
 AT&T - 662-329-1962
 ELECTRIC, SEWER AND WATER
 LOUISVILLE UTILITIES - 662-773-7147

PS & E PLANS-DATE 10/4/2018			
FMS CON. # 107118-301000			
REVISIONS			
DATE	SHEET NO.	BY	
10/17/18	3.5.8	DSP	
11/14/18	3.5.2001,2002,2003	DSP	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
INDEX & GENERAL NOTES	
US HWY 14	
COUNTY: WINSTON	WORKING NUMBER
PROJ. NUM.: SP-0038-01(034)	DI-1
FILENAME: INDEX.DGN	SHEET NUMBER
DESIGN TEAM	CHECKED
DATE	DATE

ADDENDUM

STATE	PROJECT NO.
MISS	SP-0038-01(034)

SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	WINSTON : 107118-301000	
			Prelim	Final
202-B080	Removal of Concrete Sidewalk	SY	163	
503-C010	Saw Cut, Full Depth	LF	489	
608-A001	Concrete Sidewalk, Without Reinforcement	SY	163	
202-B240	Removal of Traffic Stripe	LF	254	
618-A001	Maintenance of Traffic	LS	1	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	136	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	20	
907-619-E3001	Changeable Message Sign	EA	2	
619-G4001	Barricades, Type III, Double Faced	LF	24	
620-A001	Mobilization	LS	1	
626-C003	6" Thermoplastic Edge Stripe, Continuous White	LF	2,422	
626-D004	6" Thermoplastic Traffic Stripe, Skip Yellow	LF	524	
626-E003	6" Thermoplastic Traffic Stripe, Continuous Yellow	LF	3,218	
626-G001	Thermoplastic Detail Stripe, Blue-ADA	LF	180	
626-G002	Thermoplastic Detail Stripe, White	LF	1,699	
626-G003	Thermoplastic Detail Stripe, Yellow	LF	1,280	
626-H004	Thermoplastic Legend, White	SF	483	
626-H005	Thermoplastic Legend, White	LF	4,576	
907-632-A007	Solid State Traffic Cabinet Assembly, Type III Cabinet, Type 1 Controller	EA	2	
907-632-C001	Modify Existing Traffic Signal Cabinet Assembly	EA	1	
907-632-D001	Solid State Traffic Actuated Controller, Type 1	EA	1	
907-632-D004	Solid State Traffic Actuated Controller, Type M	EA	1	
907-632-G001	Malfunction Management Unit	EA	1	
907-632-J001	Power Service Pedestal	EA	1	
907-634-A044	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 40' Arm	EA	1	
907-634-A045	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 45' Arm	EA	2	
907-634-A046	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 50' Arm	EA	1	
907-634-A079	Traffic Signal Equipment Pole, Type II, 17' Shaft, 25' Arm	EA	1	
907-634-A081	Traffic Signal Equipment Pole, Type II, 17' Shaft, 35' Arm	EA	1	
907-634-A366	Traffic Signal Equipment Pole, Type III, 17' Shaft, 30' & 45' Arms	EA	1	
907-634-A384	Traffic Signal Equipment Pole, Type III, 17' Shaft, 40' & 50' Arms	EA	1	
907-634-A391	Traffic Signal Equipment Pole, Type III, 17' Shaft, 45' & 50' Arms	EA	1	
907-634-A545	Traffic Signal Equipment Pole, Type VI, 8' Shaft	EA	9	
907-634-C001	Pole Foundations, Class "B" Concrete	CY	41	
635-A059	Traffic Signal Head, Type 1	EA	24	
635-A065	Traffic Signal Head, Type 2 FYA	EA	10	

- ① EXISTING CONTROLLER CABINET AT MS 14 @ CHURCH AVE.
- ② MS 14 @ CHURCH AVE.
- ③ MS 14 @ SPRING AVE.
- ④ DESIGN STANDARD FOR MAST ARM POLES SHALL BE 2013 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. USE FATIGUE CATEGORY II, DO NOT CONSIDER GALLOPING OR TRUCK FORCES, USE 50 YEAR DESIGN LIFE, 90 MPH WIND LOAD AND INCLUDE ICE LOADS. USE UPSWEPT MAST ARMS. MAST ARMS SHALL BE BLACK IN FINISH. THESE PAY ITEMS HAVE SPECIAL REQUIREMENTS. SEE NOTICE TO BIDDERS ENTITLED "SCHEDULE OF VALUES" FOR DETAILS.
- ⑤ TO BE USED TO REMOVE EXISTING STOP BARS AND CONT. YELLOW STRIPE, LOCATIONS NOTED ON PMD-2 NEW POWER SERVICE PEDASTAL TO BE INSTALLED AT MS 14/SPRING AVE. INTERSECTION. THE EXISTING POWER SERVICE METERS WILL BE USED AT THE MS 14/COLUMBUS AVE. AND MS 14/CHURCH AVE. INTERSECTIONS.
- ⑧ IF SLIP CASINGS ARE REQUIRED FOR INSTALLATION, MATERIALS AND INSTALLATION SHALL BE COST ABSORBED IN THIS PAY ITEM.

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11/14/2018	REVISD QUANTITIES AND ADDED FOOTNOTES	RP
10/17/2018	REVISD QUANTITIES	RP
	Revision	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

Proj No: SP-0038-01(034)
 County: WINSTON

FILENAME : SQS

Design Team Checked Date

Working Number SQ-1
 Sheet Number 3

SUMMARY OF TRAFFIC SIGNALS

PAY ITEM NO.	PAY ITEM	UNIT	SPRING AVE.		CHURCH AVE.		COLUMBUS AVE.		TOTALS	
			PRELIM.	FINAL	PRELIM.	FINAL	PRELIM.	FINAL	PRELIM.	FINAL
202-B080	REMOVAL OF CONCRETE SIDEWALK	SY	0		81		82		163	
503-C010	SAW CUT, FULL DEPTH	LF	0		264		225		489	
608-A001	CONCRETE SIDEWALK, WITHOUT REINFORCEMENT	SY	0		81		82		163	
907-632-A007	SOLID STATE TRAFFIC CABINET ASSEMBLY, TYPE III CABINET, TYPE I CONTROLLER	EA	1		0		1		2	
907-632-C001	MODIFY EXISTING TRAFFIC SIGNAL CABINET ASSEMBLY	EA	0		1		0		1	
907-632-D001	SOLID STATE TRAFFIC ACTUATED CONTROLLER, TYPE I	EA	0		1		0		1	
907-632-D004	SOLID STATE TRAFFIC ACTUATED CONTROLLER, TYPE M	EA	1		0		0		1	
907-632-G001	MALFUNCTION MANAGEMENT UNIT	EA	0		1		0		1	
907-632-J001	POWER SERVICE PEDESTAL	EA	1		0		0		1	
907-634-A044	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II(L), 30' SHAFT, 40' ARM	EA	0		0		1		1	
907-634-A045	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II(L), 30' SHAFT, 45' ARM	EA	0		0		2		2	
907-634-A046	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II(L), 30' SHAFT, 50' ARM	EA	0		0		1		1	
907-634-A079	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 25' ARM	EA	1		0		0		1	
907-634-A081	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 35' ARM	EA	1		0		0		1	
907-634-A366	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 30' & 45' ARMS	EA	1		0		0		1	
907-634-A384	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 40' & 50' ARMS	EA	0		1		0		1	
907-634-A391	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 45' & 50' ARMS	EA	0		1		0		1	
907-634-A545	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE VI, 8' SHAFT	EA	0		4		5		9	
907-634-C001	POLE FOUNDATIONS, CLASS "B" CONCRETE	CY	7.57		11.86		20.72		40.15	
635-A059	TRAFFIC SIGNAL HEAD, TYPE 1	EA	8		8		8		24	
635-A065	TRAFFIC SIGNAL HEAD, TYPE 2 FYA	EA	2		4		4		10	
635-A076	TRAFFIC SIGNAL HEAD, TYPE 6	EA	0		8		8		16	
907-636-B003	ELECTRIC CABLE, UNDG. IN CONDUIT, IMSA 20-1, AWG 10, 2 CONDUCTOR	LF	0		0		460		460	
907-636-B014	ELECTRIC CABLE, UNDG. IN CONDUIT, IMSA 20-1, AWG 14, 5 CONDUCTOR	LF	0		583		773		1356	
907-636-B016	ELECTRIC CABLE, UNDG. IN CONDUIT, IMSA 20-1, AWG 14, 8 CONDUCTOR	LF	275		336		389		1000	
907-636-B028	ELECTRIC CABLE, UNDG. IN CONDUIT, IMSA 20-1, AWG 8, 3 CONDUCTOR	LF	64		14		26		104	
907-636-D008	ELECTRIC CABLE, AERIAL SUP. IN CONDUIT, IMSA 20-1, AWG 14, 8 CON.	LF	184		218		243		645	
907-637-A002	PULLBOX ENCLOSURE, TYPE 2	EA	2		3		3		8	
907-637-A003	PULLBOX ENCLOSURE, TYPE 3	EA	1		1		1		3	
907-637-C026	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 1"	LF	22		40		56		118	
907-637-C028	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2"	LF	60		50		76		186	
907-637-C030	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 3"	LF	20		30		60		110	
907-637-D003	TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 3"	LF	195		240		282		717	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**ESTIMATED QUANTITIES
PAVEMENT MARKINGS**

PROJ. NO.: SP-0038-01(034)
 COUNTY: WINSTON

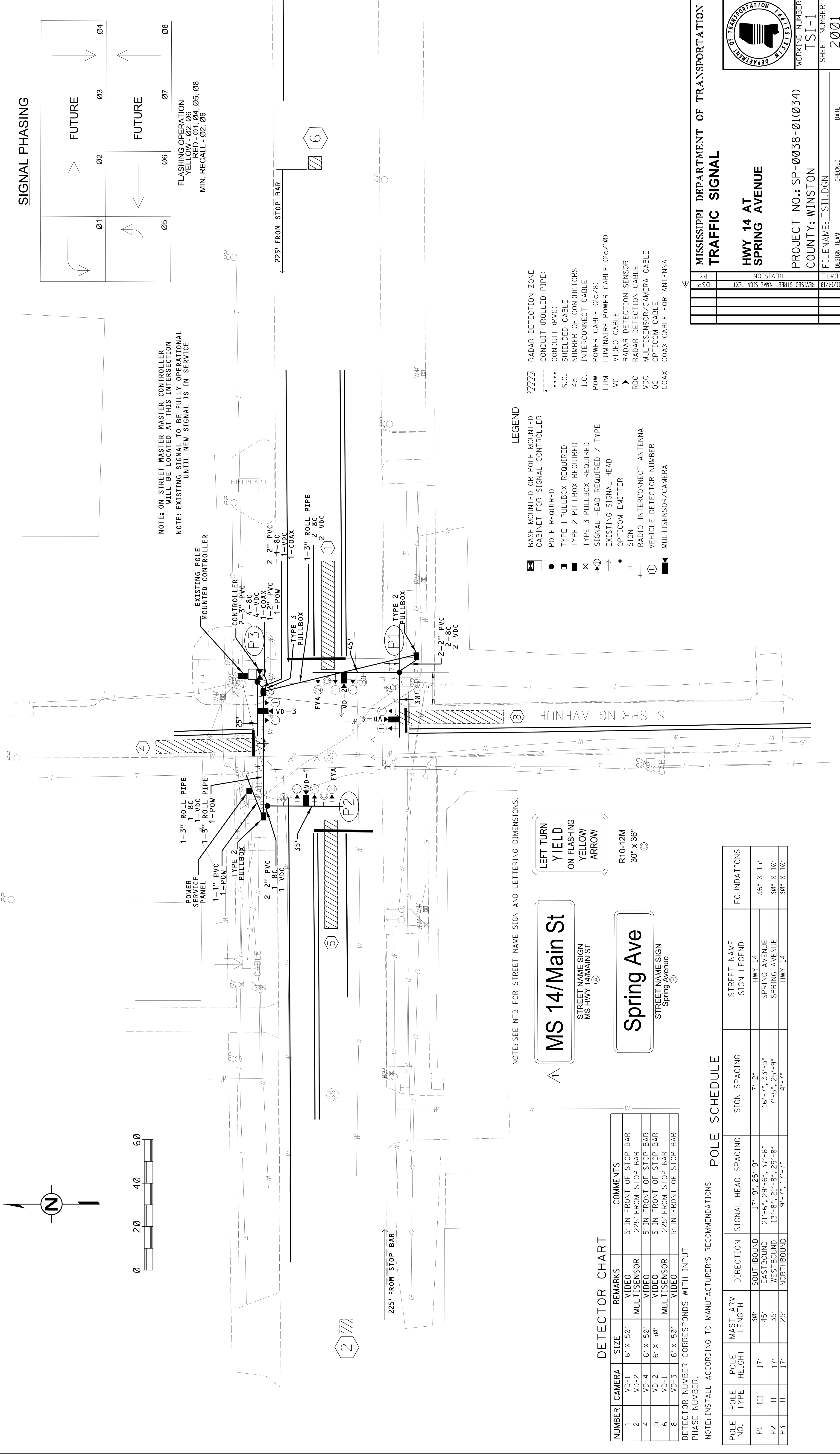
WORKING NUMBER
EQ-1

FILENAME: RWD-EQ-1
 DESIGN TEAM _____ CHECKED _____ DATE _____

11/14/18 REVISION QUANTITY
 10/17/18 REVISION QUANTITY
 DSP
 BY



STATE	PROJECT NO.
MISS.	SP-0038-01(034)



SIGNAL PHASING

Ø1	Ø2	Ø3	Ø4
←	→	→	→
Ø5	Ø6	Ø7	Ø8
↶	↷	↷	↶

NOTE: ON STREET MASTER CONTROLLER WILL BE LOCATED AT THIS INTERSECTION UNTIL NEW SIGNAL IS IN SERVICE

FLASHING OPERATION
YELLOW - Ø2, Ø6
RED - Ø1, Ø4, Ø5, Ø8
MIN. RECALL - Ø2, Ø6

NOTE: SEE NTB FOR STREET NAME SIGN AND LETTERING DIMENSIONS.

MS 14/Main St
STREET NAME SIGN
MS HWY 14/MAIN ST

Spring Ave
STREET NAME SIGN
Spring Avenue

LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-12M
30" x 36"

DETECTOR CHART

NUMBER	CAMERA	SIZE	REMARKS	COMMENTS
1	VD-1	6' X 50'	VIDEO	5'-IN FRONT OF STOP BAR
2	VD-2	6' X 50'	MULTISENSOR	225' FROM STOP BAR
4	VD-4	6' X 50'	VIDEO	5'-IN FRONT OF STOP BAR
5	VD-2	6' X 50'	VIDEO	5'-IN FRONT OF STOP BAR
6	VD-1	6' X 50'	MULTISENSOR	225' FROM STOP BAR
8	VD-3	6' X 50'	VIDEO	5'-IN FRONT OF STOP BAR

DETECTOR NUMBER CORRESPONDS WITH INPUT PHASE NUMBER.

POLE SCHEDULE

NOTE: INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

POLE NO.	POLE TYPE	POLE HEIGHT	MAST ARM LENGTH	DIRECTION	SIGNAL HEAD SPACING	SIGN SPACING	STREET NAME SIGN LEGEND	FOUNDATIONS
P1	III	17'	30'	SOUTHBOUND	17'-9", 25'-9"	7'-2"	HWY 14	36" X 15'
P2	II	17'	45'	EASTBOUND	21'-6", 29'-6", 37'-6"	16'-7", 33'-5"	SPRING AVENUE	30" X 10'
P3	II	17'	25'	WESTBOUND	13'-8", 21'-8", 29'-8"	7'-5", 25'-9"	SPRING AVENUE	30" X 10'
				NORTHBOUND	9'-7", 17'-7"	4'-7"	HWY 14	30" X 10'

LEGEND

- BASE MOUNTED OR POLE MOUNTED CABINET FOR SIGNAL CONTROLLER
 - POLE REQUIRED
 - TYPE 1 PULLBOX REQUIRED
 - TYPE 2 PULLBOX REQUIRED
 - TYPE 3 PULLBOX REQUIRED
 - SIGNAL HEAD REQUIRED / TYPE EXISTING SIGNAL HEAD
 - OPTICOM EMITTER
 - SIGN
 - RADIO INTERCONNECT ANTENNA
 - VEHICLE DETECTOR NUMBER
 - MULTISENSOR/CAMERA
- RADAR DETECTION ZONE
 - CONDUIT (ROLLED PIPE)
 - CONDUIT (PVC)
 - SHIELDED CABLE
 - S.C.
 - NUMBER OF CONDUCTORS
 - INTERCONNECT CABLE
 - I.C.
 - POWER CABLE (2c/8)
 - POW
 - LUMINAIRE POWER CABLE (2c/10)
 - LUM
 - VIDEO CABLE
 - VC
 - RADAR DETECTION SENSOR
 - RADAR DETECTION CABLE
 - MULTISENSOR/CAMERA CABLE
 - VDC
 - OPTICOM CABLE
 - OC
 - COAX CABLE FOR ANTENNA
 - COAX

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL

HWY 14 AT SPRING AVENUE

PROJECT NO.: SP-0038-01(034)
COUNTY: WINSTON

FILENAME: TSI1.DGN
DESIGN TEAM: _____
CHECKED: _____
DATE: _____

WORKING NUMBER
TSI-1
SHEET NUMBER
2001

ADDENDUM

POLE SCHEDULE

POLE NO.	POLE TYPE	POLE HEIGHT	MAST ARM LENGTH	DIRECTION	SIGNAL HEAD SPACING	SIGN SPACING	STREET NAME SIGN LEGEND	FOUNDATIONS
P2	III	17'	50'	NORTHBOUND	6'-6", 14'-6", 22'-6"	3'-5", 18'-7"	HWY 14	36" X 15'
			40'	WESTBOUND	19'-2", 27'-2", 35'-2"	6'-11", 31'-3"	HWY 397/CHURCH AVENUE	
			45'	EASTBOUND	22'-0", 30'-0", 38'-0"	13'-8", 34'-0"	HWY 397/CHURCH AVENUE	
P3	III	17'	50'	SOUTHBOUND	17'-4", 25'-4", 33'-4"	14'-9", 29'-5"	HWY 14	36" X 15'

DETECTOR CHART

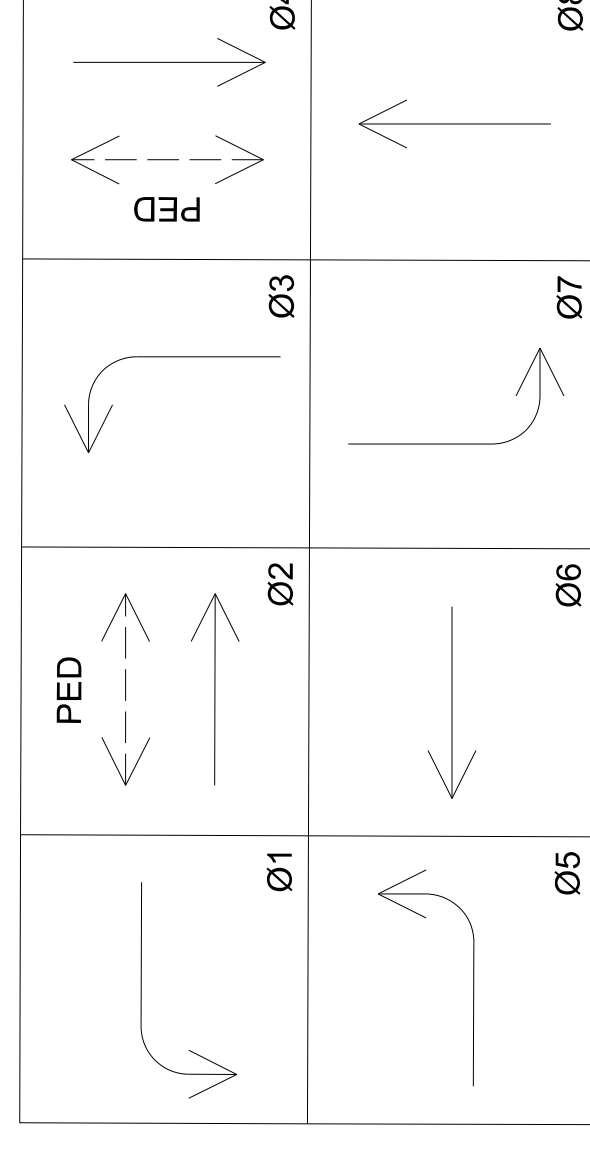
NUMBER	CAMERA	SIZE	REMARKS	COMMENTS
1	VD-1	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
2	VD-2	6' X 50"	MULTISENSOR	225' FROM STOP BAR
3	VD-3	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
4	VD-4	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
5	VD-2	6' X 50"	MULTISENSOR	225' FROM STOP BAR
6	VD-1	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
7	VD-4	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
8	VD-3	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR

DETECTOR NUMBER CORRESPONDS WITH INPUT PHASE NUMBER.

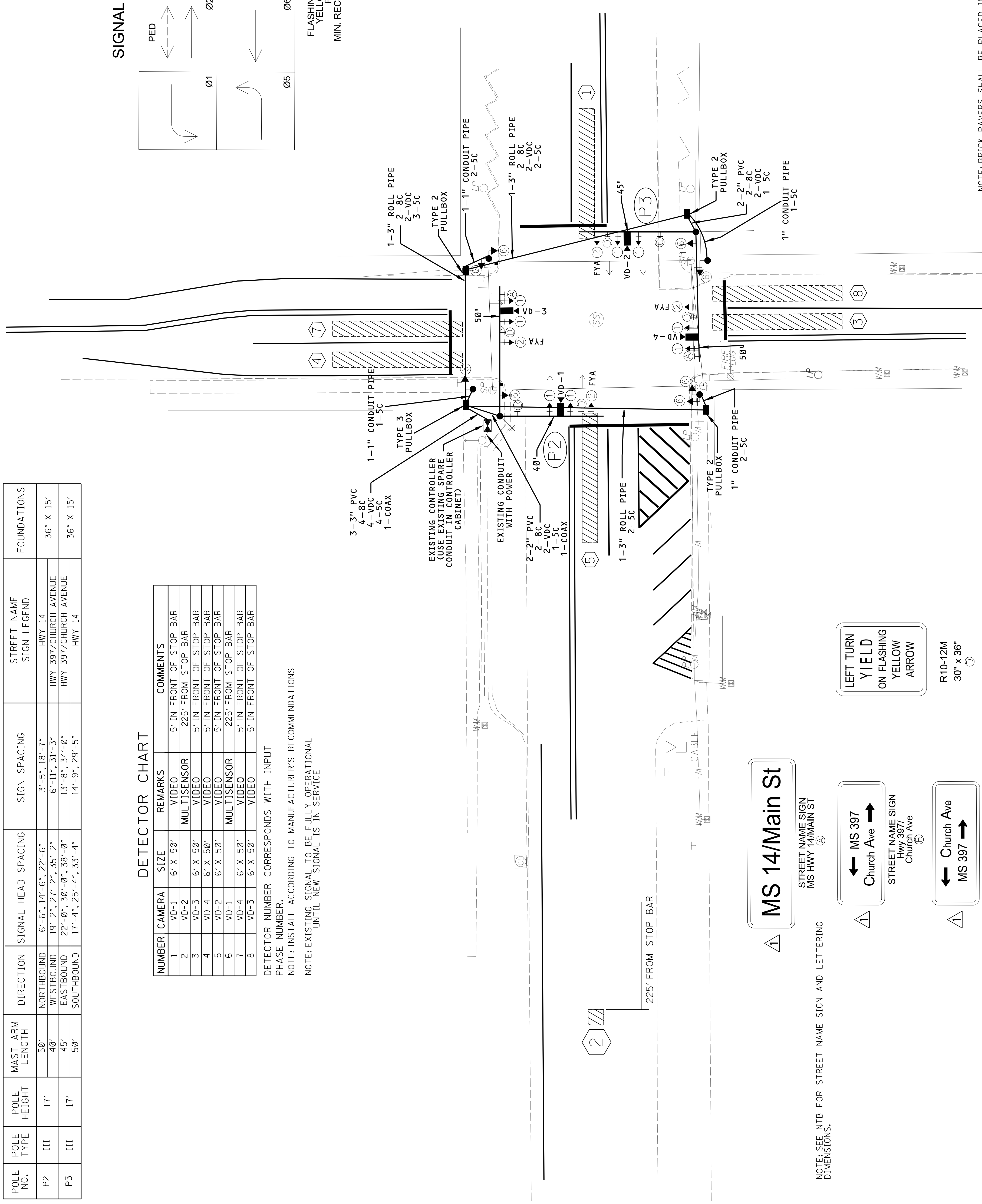
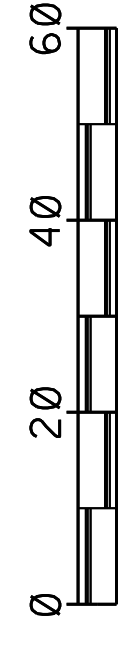
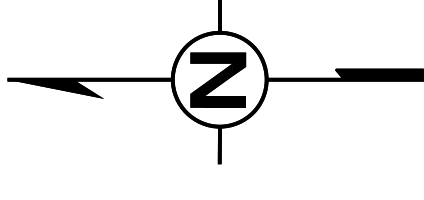
NOTE: INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

NOTE: EXISTING SIGNAL TO BE FULLY OPERATIONAL UNTIL NEW SIGNAL IS IN SERVICE

SIGNAL PHASING

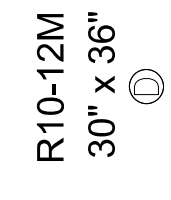
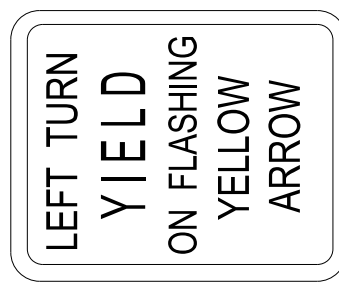
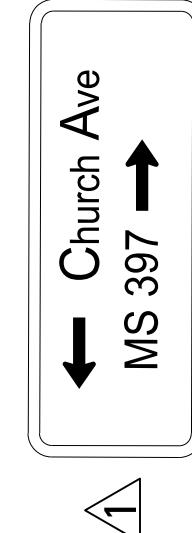
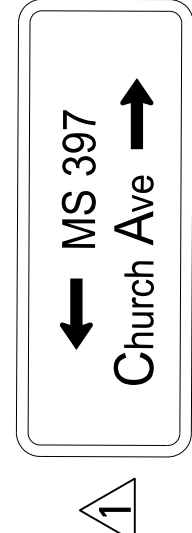
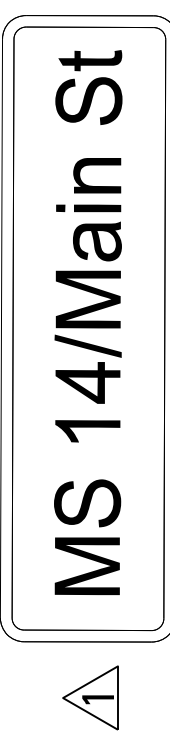


FLASHING OPERATION
YELLOW - Ø2, Ø6
RED - Ø1, Ø4, Ø5, Ø8
MIN. RECALL - Ø2, Ø6



- ### LEGEND
- BASE MOUNTED OR POLE MOUNTED CABINET FOR SIGNAL CONTROLLER
 - POLE REQUIRED
 - TYPE 1 PULLBOX REQUIRED
 - TYPE 2 PULLBOX REQUIRED
 - TYPE 3 PULLBOX REQUIRED
 - SIGNAL HEAD REQUIRED / TYPE
 - EXISTING SIGNAL HEAD
 - OPTICOM EMITTER
 - SIGN
 - RADIO INTERCONNECT ANTENNA
 - VEHICLE DETECTOR NUMBER
 - MULTISELECTOR/CAMERA
 - RADAR DETECTION ZONE
 - CONDUIT (ROLLED PIPE)
 - SHIELDED CABLE
 - NUMBER OF CONDUCTORS
 - INTERCONNECT CABLE
 - POWER CABLE (2c/8)
 - LUMINAIRE POWER CABLE (2c/10)
 - VIDEO CABLE
 - RADAR DETECTION SENSOR
 - RADAR DETECTION CABLE
 - MULTISELECTOR/CAMERA CABLE
 - OPTICOM CABLE
 - COAX CABLE FOR ANTENNA

NOTE: SEE NTB FOR STREET NAME SIGN AND LETTERING DIMENSIONS.



NOTE: BRICK PAVERS SHALL BE PLACED IN OLD POLE LOCATIONS. (COST ABSORBED)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL

HWY 14 AT CHURCH AVENUE

PROJECT NO.: SP-0038-01(034)
COUNTY: WINSTON

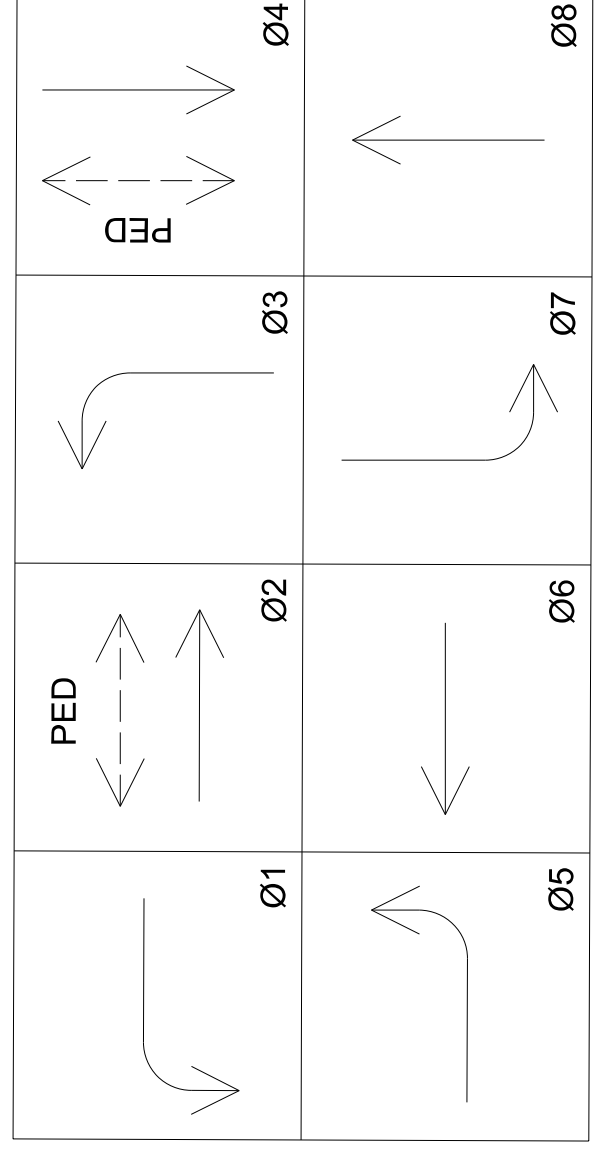
FILENAME: TSI2.DGN
DESIGN TEAM: _____

WORKING NUMBER
TSI-2

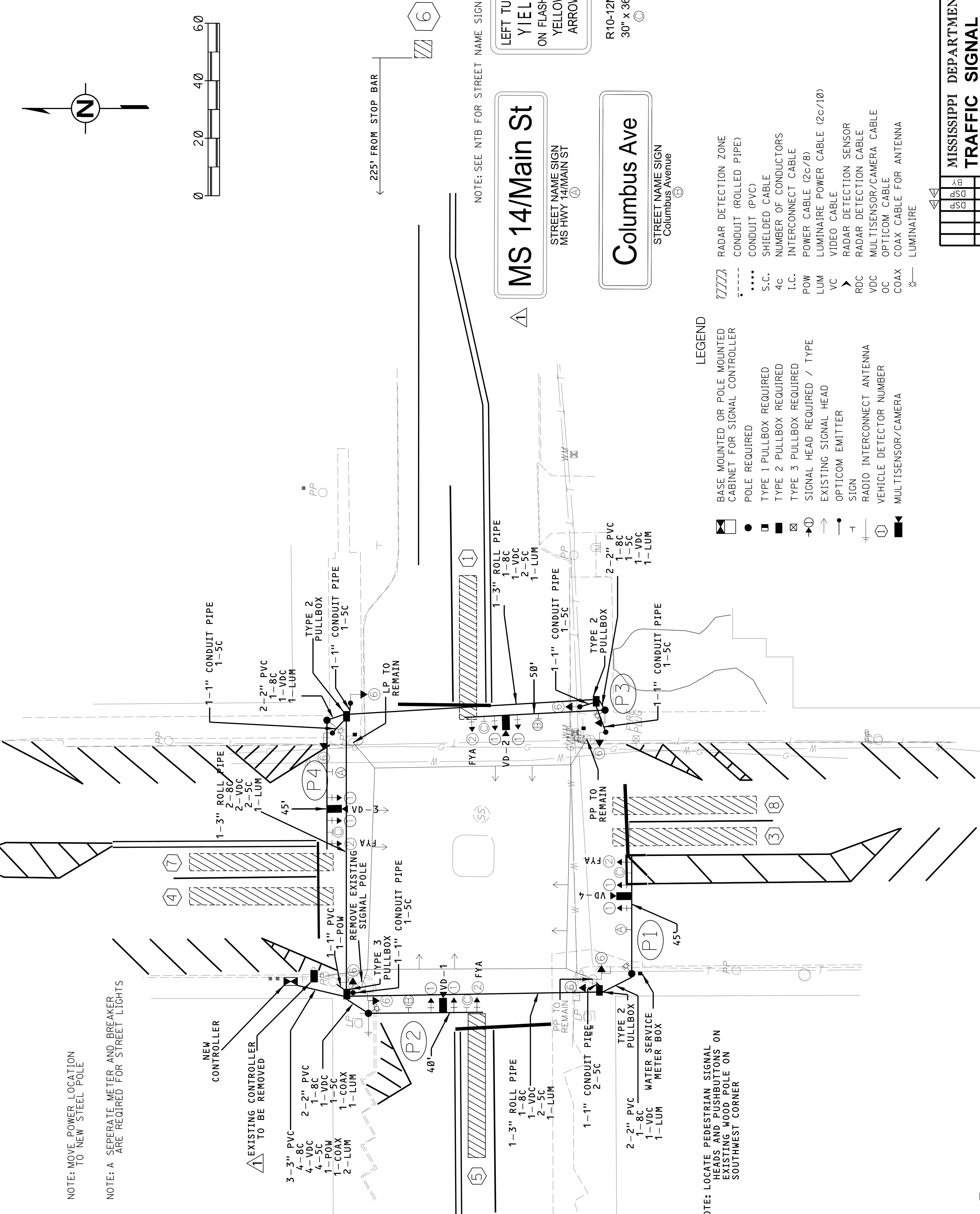
SHEET NUMBER
2002

DATE: _____
CHECKED: _____

SIGNAL PHASING



FLASHING OPERATION
YELLOW - Ø1, Ø6
RED - Ø2, Ø4, Ø5, Ø8
MIN. RECALL - Ø2, Ø6
NOTE: EXISTING SIGNAL TO BE FULLY OPERATIONAL
UNTIL NEW SIGNAL IS IN SERVICE



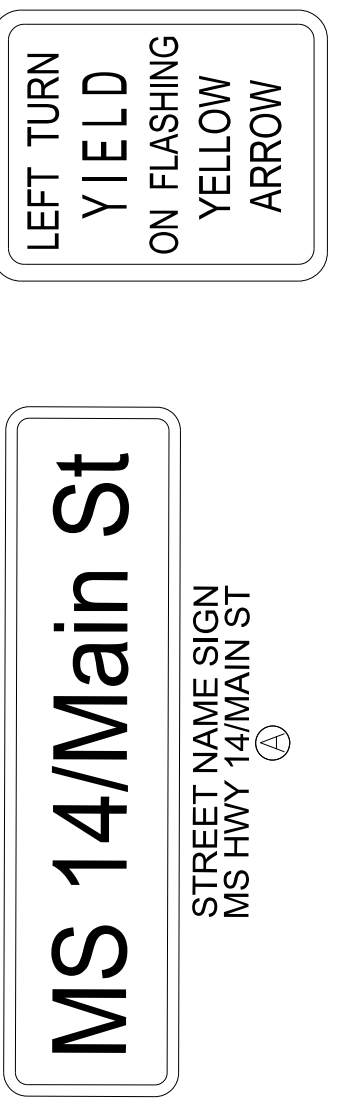
NOTE: MOVE POWER LOCATION TO NEW STEEL POLE
NOTE: A SEPERATE METER AND BREAKER ARE REQUIRED FOR STREET LIGHTS

NEW CONTROLLER
EXISTING CONTROLLER TO BE REMOVED
3-3" PVC
4-8C
4-VDC
4-5C
1-POW
1-COAX
2-LUM
2-2" PVC
1-8C
1-VDC
1-POW
1-COAX
1-LUM

225' FROM STOP BAR

NOTE: LOCATE PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS ON EXISTING WOOD POLE ON SOUTHWEST CORNER

NOTE: SEE NTB FOR STREET NAME SIGN AND LETTERING DIMENSIONS.



- LEGEND**
- BASE MOUNTED OR POLE MOUNTED CABINET FOR SIGNAL CONTROLLER
 - POLE REQUIRED
 - TYPE 1 PULLBOX REQUIRED
 - TYPE 2 PULLBOX REQUIRED
 - TYPE 3 PULLBOX REQUIRED
 - SIGNAL HEAD REQUIRED / TYPE EXISTING SIGNAL HEAD
 - OPTICOM EMITTER
 - STGN
 - RADIO INTERCONNECT ANTENNA
 - VEHICLE DETECTOR NUMBER
 - MULTISENSOR/CAMERA
 - RADAR DETECTION ZONE
 - CONDUIT (ROLLED PIPE)
 - CONDUIT (PVC)
 - SHIELDED CABLE
 - NUMBER OF CONDUCTORS
 - INTERCONNECT CABLE
 - POWER CABLE (2c/8)
 - LUMINAIRE POWER CABLE (2c/10)
 - VIDEO CABLE
 - RADAR DETECTION SENSOR
 - RDC
 - MULTISENSOR/CAMERA CABLE
 - OPTICOM CABLE
 - COAX CABLE FOR ANTENNA
 - LUMINAIRE

DETECTOR CHART

NUMBER	CAMERA	SIZE	REMARKS	COMMENTS
1	VD-1	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
2	VD-2	6' X 50"	MULTISENSOR	225' FROM STOP BAR
3	VD-3	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
4	VD-4	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
5	VD-2	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
6	VD-1	6' X 50"	MULTISENSOR	225' FROM STOP BAR
7	VD-4	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR
8	VD-3	6' X 50"	VIDEO	5' IN FRONT OF STOP BAR

DETECTOR NUMBER CORRESPONDS WITH INPUT PHASE NUMBER.

NOTE: INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

POLE SCHEDULE

POLE NO.	POLE TYPE	POLE HEIGHT	MAST ARM LENGTH	DIRECTION	SIGNAL HEAD SPACING	SIGN SPACING	STREET NAME SIGN LEGEND	FOUNDATIONS
P1	II(L)	30'	45'	SOUTHBOUND	22'-9", 30'-9", 38'-9"	15'-4", 35'-0"	HWY 14	36" X 15'
P2	II(L)	30'	40'	WESTBOUND	21'-9", 29'-9", 37'-9"	14'-0", 34'-3"	COLUMBUS AVENUE	36" X 15'
P3	II(L)	30'	50'	EASTBOUND	30'-7", 38'-7", 46'-7"	23'-3", 42'-2"	COLUMBUS AVENUE	36" X 15'
P4	II(L)	30'	45'	NORTHBOUND	26'-11", 34'-11", 42'-11"	18'-0", 38'-11"	HWY 14	36" X 15'

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL
HWY 14 AT COLUMBUS AVENUE
PROJECT NO.: SP-0038-01(034)
COUNTY: WINSTON

DATE	BY	REVISION
11/14/18	SP	REVISED STREET NAME SIGN TEXT
11/14/18	SP	REVISED SIGNAL NOTE
11/14/18	SP	DATE

WORKING NUMBER: TSI-3
SHEET NUMBER: 2003
FILENAME: TSI3.DGN
DESIGN TEAM: _____
CHECKED: _____
DATE: _____

