

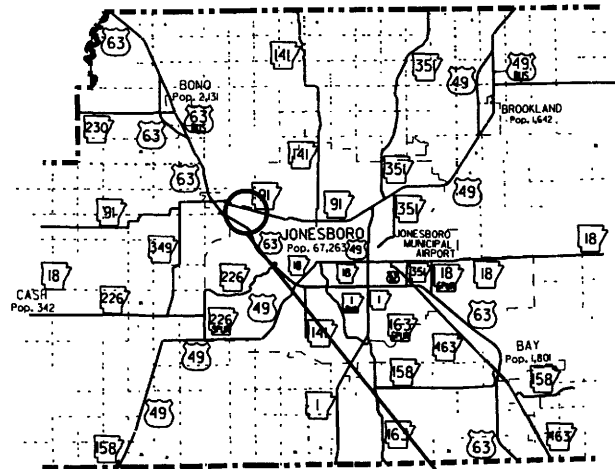
DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
11/7/2017				6	ARK.			
JOB NO. 100822							1	15
② HENSON RD. RR SIG. UPGRADE & TRAFFIC SIG. (JONESBORO) (S)								

ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS FOR STATE HIGHWAY

**HENSON RD. RR SIG. UPGRADE
& TRAFFIC SIG. (JONESBORO) (S)**

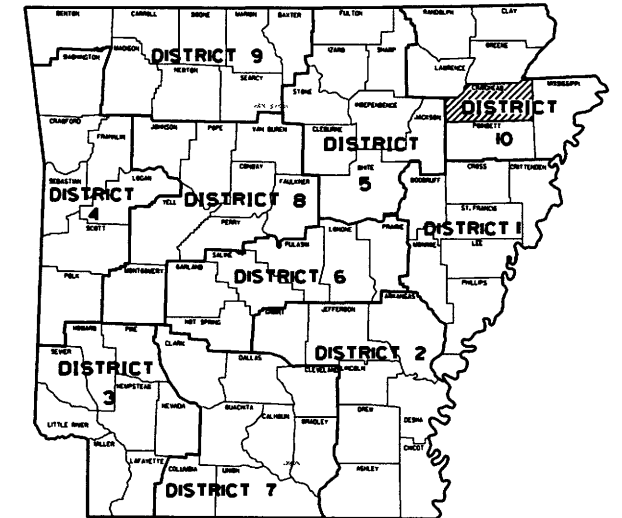
CRAIGHEAD COUNTY
ROUTE 91 SECTION 2
F.A.P. RHE-9227(49)

JOB 100822



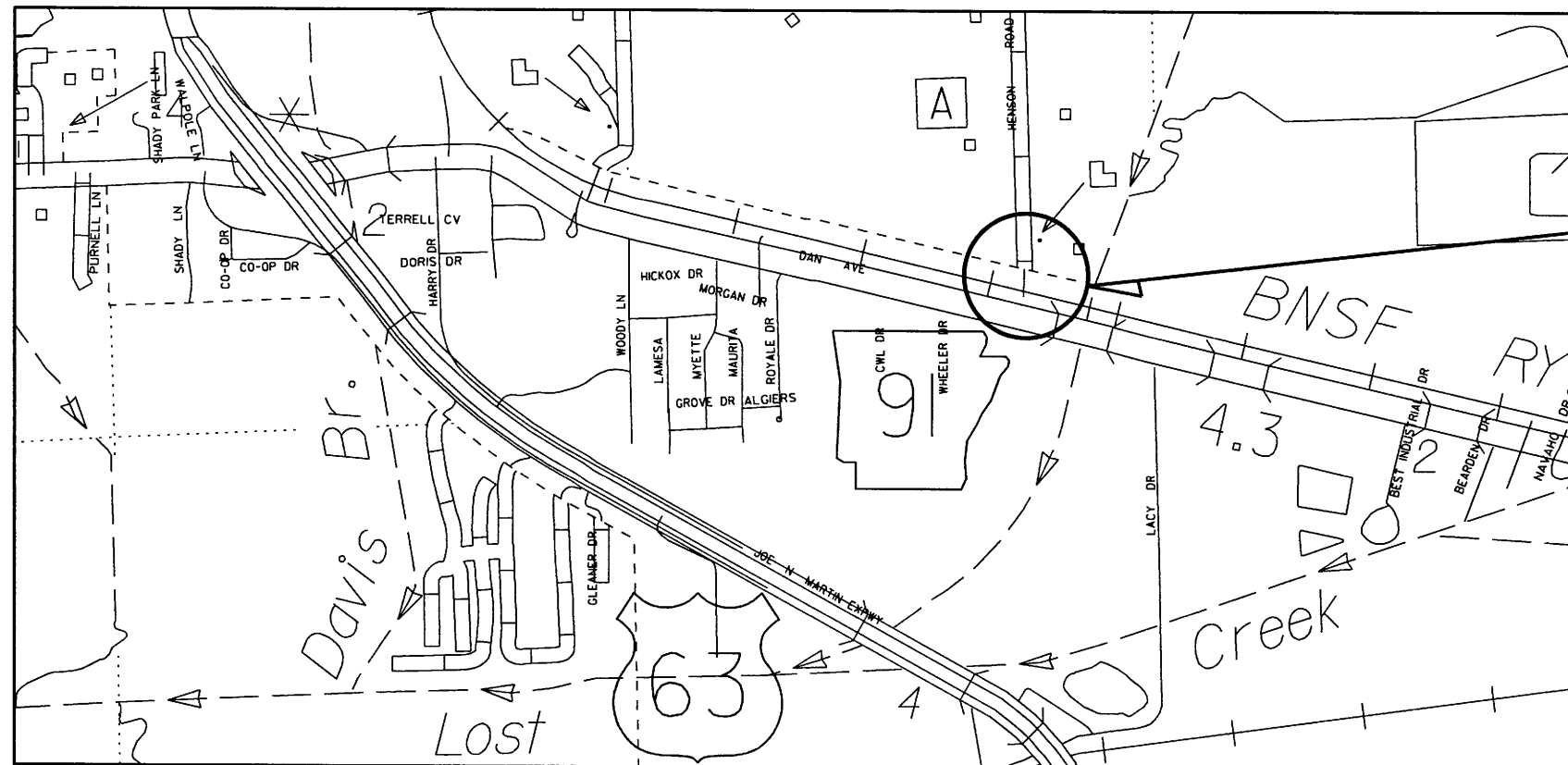
VICINITY MAP

PROJECT
LOCATION



ARK. HWY. DIST. NO. 10

NOT TO SCALE



PROJECT LOCATION
HWY. 91/HENSON RD.



MID-POINT OF PROJECT
LAT. = N 35°51' 14"
LONG. = W 90°45' 09"

R3 E

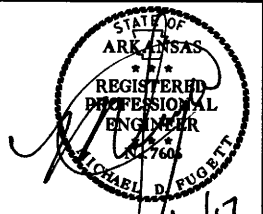
APPROVED



11-17-17
DEPUTY DIRECTOR
AND CHIEF ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8/29/2017				6	ARK.			
11/6/2017								
12/7/2017								
						JOB NO.	100822	2 15

② INDEX OF SHEETS, STANDARD DRAWINGS, AND GOVERNING SPECIFICATIONS



12/7/17

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS, STANDARD DRAWINGS, AND GOVERNING SPECIFICATIONS
3	MAINTENANCE OF TRAFFIC
4	PERMANENT PAVEMENT MARKINGS AND SIGNS
5	QUANTITIES
6	SUMMARY OF QUANTITIES AND REVISIONS
7 - 8	SURVEY CONTROL DETAILS
9	TRAFFIC SIGNAL QUANTITIES
10	TRAFFIC SIGNAL NOTES
11	SYSTEM MAP
12 - 15	SIGNALIZATION PLAN SHEETS

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-3	CONTRACTOR'S LICENSE
100-4	DEPARTMENT NAME CHANGE
102-2	ISSUANCE OF PROPOSALS
108-1	LIQUIDATED DAMAGES
108-2	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 100822	BIDDING REQUIREMENTS AND CONDITIONS
JOB 100822	CABINET DRAWER ASSEMBLY
JOB 100822	CARGO PREFERENCE ACT REQUIREMENTS
JOB 100822	DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
JOB 100822	EDGE CARD VIDEO PROCESSOR
JOB 100822	ELECTRICAL CONDUCTORS FOR LUMINAIRES
JOB 100822	ELECTRICAL CONDUCTORS-IN-CONDUIT
JOB 100822	EMERGENCY BATTERY BACKUP SYSTEM INSTALLATION
JOB 100822	FIBER OPTIC BLANK OUT SIGN
JOB 100822	INSURANCE, CONSTRUCTION, AND FLAGGING REQUIREMENTS ON RAILROAD PROPERTY (BNSF)
JOB 100822	LED TRAFFIC SIGNAL HEAD
JOB 100822	LOOP WIRING REVISION 1.4
JOB 100822	LOUVERS FOR SIGNAL HEADS
JOB 100822	LUMINAIRE ASSEMBLY (CUTOFF TYPE)
JOB 100822	MANDATORY ELECTRONIC CONTRACT
JOB 100822	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 100822	SERVICE POINT ASSEMBLY (TRAFFIC CONTROL DEVICES)
JOB 100822	STREET NAME SIGN (MAST ARM MOUNTED)
JOB 100822	SYSTEM LOCAL CONTROLLER
JOB 100822	UTILITY ADJUSTMENTS
JOB 100822	VIDEO DETECTOR (COLOR)

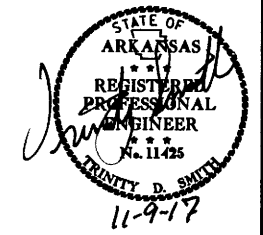
ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
PM-1	PAVEMENT MARKING DETAILS	5-12-16
RRS-1	PAVEMENT MARKING FOR RAILROAD CROSSING	12-08-16
SD-4	LOOP DETECTOR INSTALLATION	11-16-17
SD-5	CONTROLLER CABINET UTILITY DRAWER	9-12-13
SD-6	HEAVY DUTY PULL BOX	11-16-17
SD-8	SIGNAL HEAD PLACEMENT	12-08-16
SD-9	SERVICE POINT	11-16-17
SD-11	STEEL POLE WITH MAST ARM	11-16-17
SHS-1	STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES	9-12-13
SHS-2	U-CHANNEL POST ASSEMBLIES	2-27-14
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	9-02-15
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	9-02-15
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	9-02-15

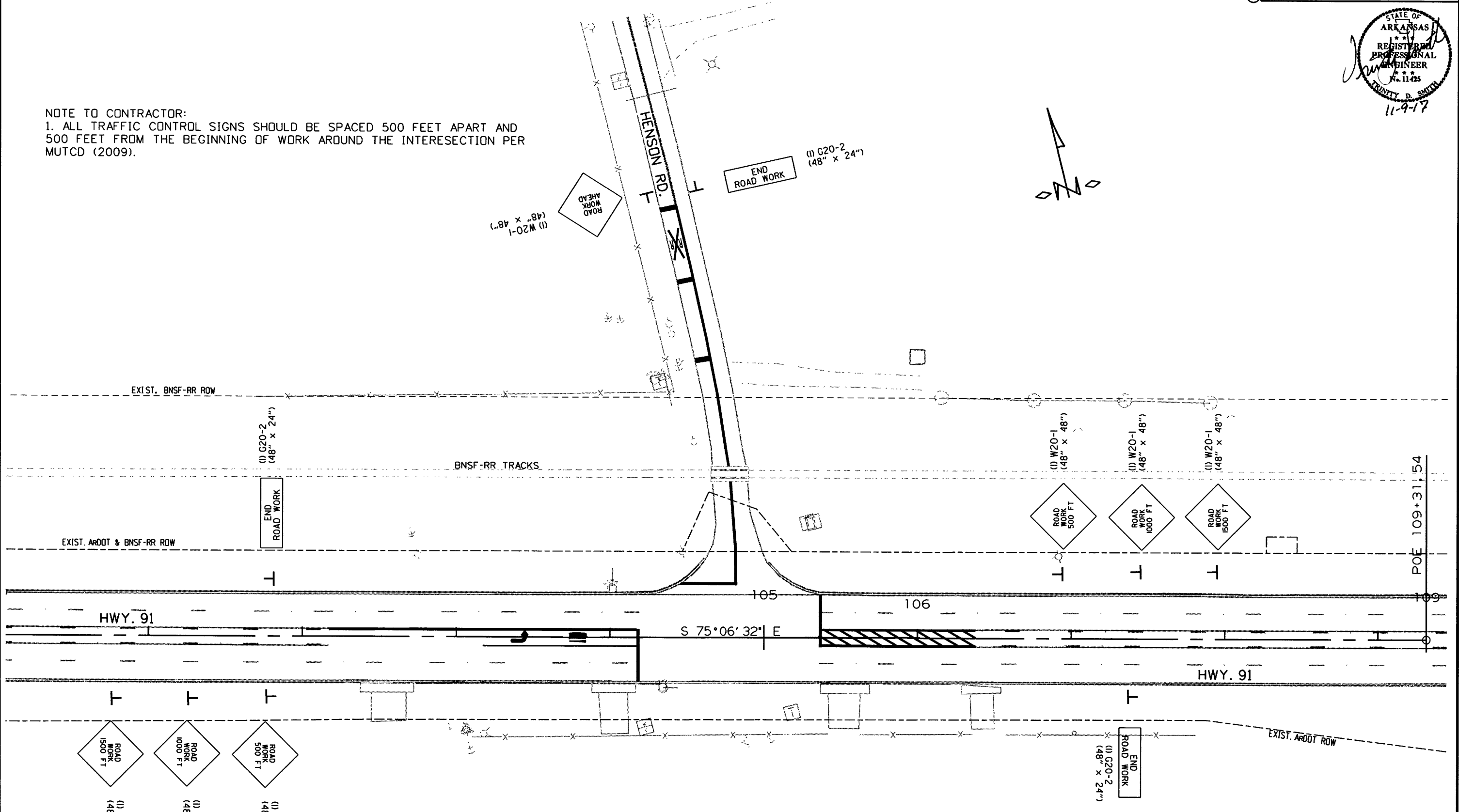
LOCATION: HWY. 91 / HENSON ROAD
 CITY: JONESBORO
 COUNTY: CRAIGHEAD
 DISTRICT: 10 SCALE: N/A DRAWN BY: CJS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
11/6/2017				6	ARK.		3	15
						JOB NO. 100822		

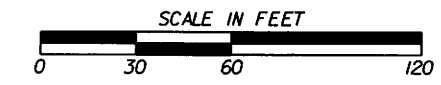
② MAINTENANCE OF TRAFFIC



NOTE TO CONTRACTOR:
 1. ALL TRAFFIC CONTROL SIGNS SHOULD BE SPACED 500 FEET APART AND 500 FEET FROM THE BEGINNING OF WORK AROUND THE INTERSECTION PER MUTCD (2009).



11-6-11 1100822.dgn

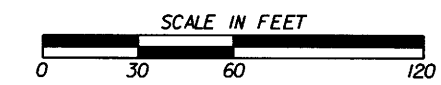
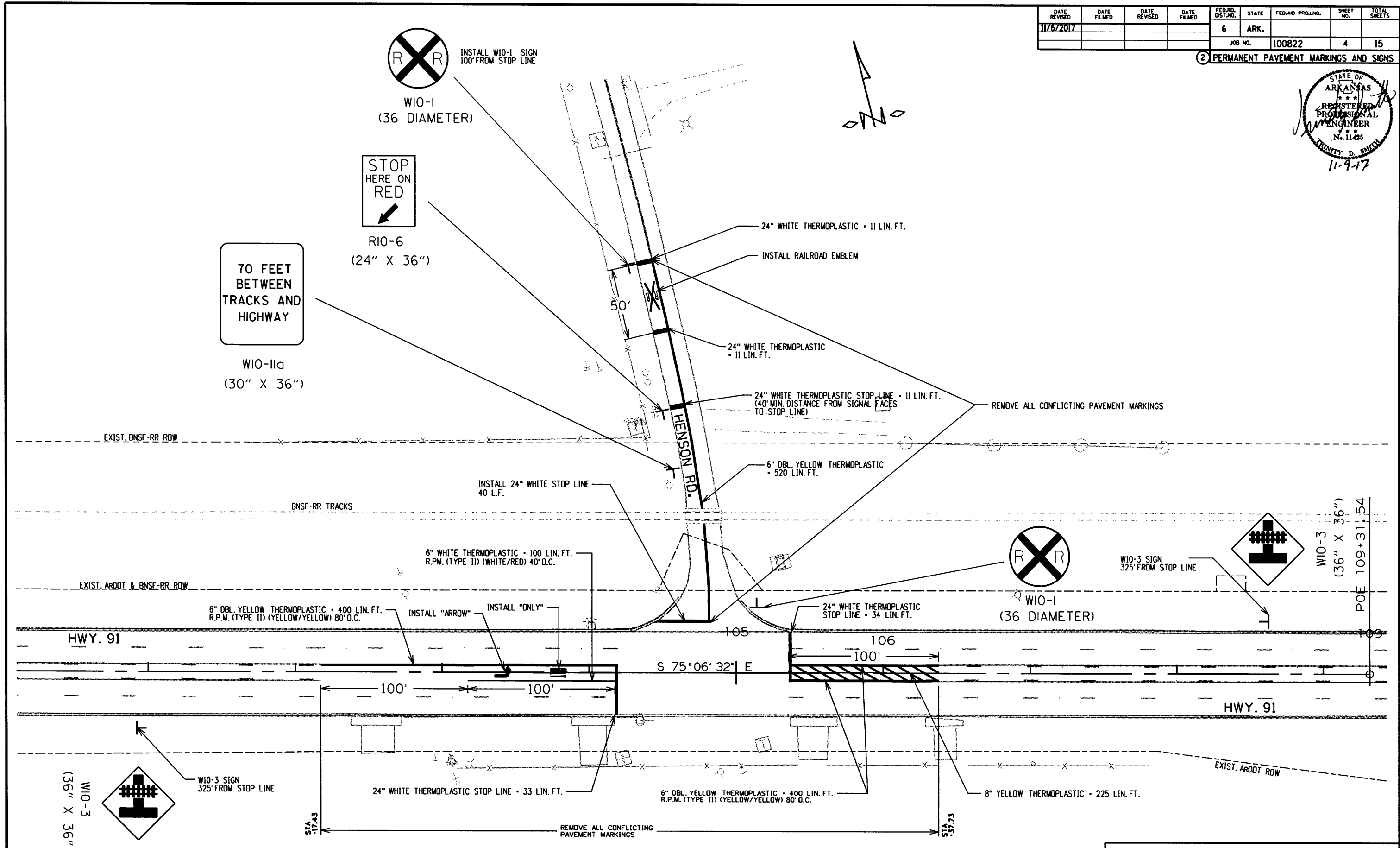
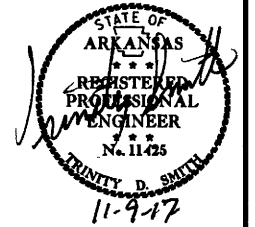


DATE: 11-6-17 FILE NAME: t100822.dgn

LOCATION:	HWY. 91 / HENSON ROAD
CITY:	JONESBORO
COUNTY:	CRAIGHEAD
DISTRICT:	10
SCALE:	1" = 60'
DRAWN BY:	CJS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
11/6/2017				6	ARK.			
						JOB NO. 100822	4	15

② PERMANENT PAVEMENT MARKINGS AND SIGNS



DATE: 11-6-17 FILE NAME: t100822.dgn

LOCATION: HWY. 91 / HENSON ROAD
 CITY: JONESBORO
 COUNTY: CRAIGHEAD
 DISTRICT: 10 SCALE: 1" = 60' DRAWN BY: CJS

1100822.dgn 11-6-17

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
11/6/2017				6	ARK.		5	15
				JOB NO.	100822			

② QUANTITIES

CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	REMOVAL OF PERMANENT PAVEMENT MARKINGS LIN. FT.	RAISED PAVEMENT MARKERS		THERMOPLASTIC PAVEMENT MARKING								
		TYPE II (WHITE/RED)	TYPE II (YEL/YEL)	6"		8"		24"	WORDS	ARROWS	RAILROAD EMBLEMS	
		EACH	EACH	YELLOW	WHITE	YELLOW	WHITE	EACH				
REMOVAL OF PERMANENT PAVEMENT MARKINGS	680											
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)		2										
RAISED PAVEMENT MARKERS TYPE II (YEL/YEL)			6									
THERMOPLASTIC PAVEMENT MARKING YELLOW (6")				920								
THERMOPLASTIC PAVEMENT MARKING WHITE (6")					100							
THERMOPLASTIC PAVEMENT MARKING YELLOW (8")						225						
THERMOPLASTIC PAVEMENT MARKING WHITE (24")							140					
THERMOPLASTIC PAVEMENT MARKING WORDS								1				
THERMOPLASTIC PAVEMENT MARKING ARROWS									1			
THERMOPLASTIC PAVEMENT MARKING RAILROAD EMBLEMS											1	
TOTALS:	680	2	6	920	100	225	140	1	1	1		

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.



ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED	
				NO.	SQ. FT.
W20-1	ROAD WORK 1500 FT.	48"x48"	2	2	32.0
W20-1	ROAD WORK 1000 FT.	48"x48"	2	2	32.0
W20-1	ROAD WORK 500 FT.	48"x48"	2	2	32.0
W20-1	ROAD WORK AHEAD	48"x48"	1	1	16.0
G20-2	END ROAD WORK	48"x24"	3	3	24.0
TOTAL:					136.0

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

CHANNEL POST SIGN SUPPORTS

ITEM	EACH
CHANNEL POST SIGN SUPPORT (TYPE U-1)	6
TOTAL:	6

STANDARD SIGNS

SIGN NUMBER	DESCRIPTION	SIGN SIZE	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED	
				NO.	SQ. FT.
R10-6	STOP HERE ON RED	24"x36"	1	1	6.0
W10-1	GRADE CROSSING ADVANCE WARNING	36 DIA.	2	2	14.1
W10-3	GRADE CROSSING ADVANCE WARNING	36"x36"	2	2	18.0
W10-11A	STORAGE SPACE XX FEET BETWEEN TRACKS AND HIGHWAY	30"x36"	1	1	7.5
TOTAL:					45.6

LOCATION: HWY. 91 / HENSON ROAD
 CITY: JONESBORO
 COUNTY: CRAIGHEAD
 DISTRICT: 10 SCALE: N/A DRAWN BY: CJS

DATE: 11-6-17 FILE NAME: t100822.dgn

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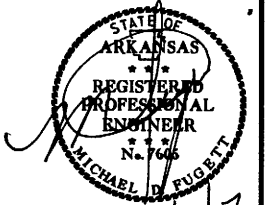
SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
601	MOBILIZATION	1.00	LUMP SUM
603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	136	SQ. FT.
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS	680	LIN. FT.
SP & 701	SYSTEM LOCAL CONTROLLER TS2-TYPE 2, E-NET (8 PHASES)	1	EACH
SP	ETHERNET SWITCH, T100 HARDENED (8-PORT)	1	EACH
SP	E-NET CABLE (EXTERIOR CAT 5E)	68	LIN. FT.
SP	BATTERY BACKUP SYSTEM	1	EACH
704	VEHICLE DETECTOR-RACK MOUNT	1	EACH
SP	LOOP WIRING CLASS III (1C/16 A.W.G.)	784	LIN. FT.
704	FEEDER WIRE	1761	LIN. FT.
SP	FIBER OPTIC BLANK OUT SIGN	2	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	10	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	1	EACH
SP	LOUVERS	4	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	528	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	148	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	578	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	232	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	382	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., E.G.C.)	275	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	20	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	671	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	20	LIN. FT.
710	NON-METALLIC CONDUIT (1")	403	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	60	LIN. FT.
710	NON-METALLIC CONDUIT (2")	734	LIN. FT.
710	NON-METALLIC CONDUIT (3")	447	LIN. FT.
711	CONCRETE PULL BOX (TYPE 1 HD)	8	EACH
711	CONCRETE PULL BOX (TYPE 2 HD)	6	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (26')	1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (42')	1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (46')	2	EACH
SP	LUMINAIRE ASSEMBLY	4	EACH
SP	SERVICE POINT ASSEMBLY (2 CIRCUITS)	1	EACH
719	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	100	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (24")	140	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	920	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING YELLOW (8")	225	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING (WORDS)	1	EACH
719	THERMOPLASTIC PAVEMENT MARKING (ARROWS)	1	EACH
719	THERMOPLASTIC PAVEMENT MARKING (RAILROAD EMBLEMS)	1	EACH
721	RAISED PAVEMENT MARKERS (TYPE II)	8	EACH
726	STANDARD SIGN	46	SQ. FT.
SP	18" STREET NAME SIGN	3	EACH
729	CHANNEL POST SIGN SUPPORT (TYPE U-1)	6	EACH
* SP & 733	VIDEO DETECTOR (CLR)	5	EACH
733	VIDEO CABLE	687	LIN. FT.
733	VIDEO MONITOR (CLR)	1	EACH
* SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	4	EACH
SP & 733	VEHICLE DETECTOR RACK (20 CHANNEL)	1	EACH
SP	NET-ACCESS RADIO (5.8 GHZ, 32 MBPS)	1	EACH
SP	NET-SUBSCRIBER RADIO (5.8 GHZ, 32 MBPS)	1	EACH

* ONE SPARE VIDEO DETECTOR AND ONE SPARE VIDEO PROCESSOR SHALL BE SUPPLIED.

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8/29/2017				6	ARK.			
11/6/2017						100822	6	15
12/7/2017								

② SUMMARY OF QUANTITIES AND REVISIONS



12/7/17

REVISIONS

DATE	ITEM	SHEET NUMBER
8/29/2017	ADDED SUPPLEMENTAL SPECIFICATION 100-4 DEPARTMENT NAME CHANGE.	2 & 6
11/6/2017	REVISED PLANS FOR DEPARTMENT NAME CHANGE. REMOVED MIDPOINT LAT AND LONG. REVISED NOTES. REVISED INTERVAL CHART. REVISED SPECIAL PROVISIONS FOR DEPARTMENT NAME CHANGE.	1-15
12/7/2017	REVISED STANDARD DRAWINGS AND REVISED SPECIAL PROVISION LED TRAFFIC SIGNAL HEAD.	2 & 6

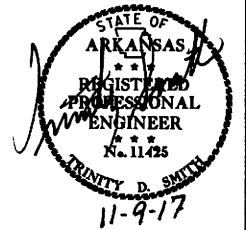
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DATE: 12-7-17 FILE NAME: t:100822.job.dgn

LOCATION: HWY. 91 / HENSON ROAD
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						JOB NO. 100822	7	15

② SURVEY CONTROL DETAILS



SURVEY CONTROL COORDINATES

Project Name: 100822
Date: 4/10/2015
Coordinate System: Arkansas State Plane Coordinates
Based on AHTD GPS PTS: 160032
Based on NGS PTS: H 315, V 330, & W 330
Projected to Ground Coordinates
Units: U.S. Survey Foot

COORDINATES LISTED BELOW ARE GROUND (Localized) COORDINATES !!!!

Point No.	Northing	SY	Easting	SX	Elevation	SZ	Feature Code	Point Description
1	555616.7314	0.0170	1681900.9789	0.0140	291.22	0.002	CTL	PD:STD AHTD MON. STAMPED PN:1
2	555910.0358	0.0190	1682095.8986	0.0170	288.22	0.002	CTL	PD:STD AHTD MON. STAMPED PN:2
3	555521.4436	0.0200	1682252.9998	0.0180	291.29	0.001	CTL	PD:STD AHTD MON. STAMPED PN:3
100	553405.1424	0.0000	1690111.4430	0.0000	289.53	0.000	GPS	PD:AHTD GPS MON 160032
990	556679.1713	0.0000	1675034.7513	0.0000	288.47	0.000	BM	PD:NGS BM H315
991	555403.9418	30.0000	1682695.1176	30.0000	294.88	0.023	BM	PD:NGS BM V330
992	555039.5401	0.0200	1683461.8505	0.0180	286.94	0.000	BM	PD:NGS BM W330

*Standard Primary Control Monument - Rebar and Cap - Standard - 5/8"x 24" Rebar with 2" Aluminum Cap stamped: "(include all common information here)" plus other markings indicated in the point description of the individual point. AHTD monuments will be stamped "Arkansas Hwy & Trans Dept" with "PN:####" & "Job #####". Monuments that are set by Consultants will be stamped "Arkansas Hwy & Trans Dept" with "PN:####", "Job#####", & "PS#####". The consultant Professional Surveyor in charge will stamp his/her PS license number on the cap.

**Standard GPS Control Point Monument - 5/8" x 48" Rebar with 2.5" Aluminum Cap stamped: "(include all common information here)" plus other markings indicated in the point description of the individual point. These monuments will be stamped "Ark. State Hwy Trans. Dept.", "GPS Survey", & "Point No. #####".

SX, SY, SZ - Represents the standard error estimate of the coordinate values of each point at the 67% confidence level (one sigma) based on the least squares analysis of the control network. See the AASHTO SDMS Technical Data Guide data tag definition for SX, SY, and SZ for additional information. These values shall be used when control points are added and the entire network is reprocessed using least square analysis. A value of 0.001 is defined as fixed (no adjustment) in the least square analysis process. A value of 30 is defined as location by handheld GPS device or scaled from USGS Quadmap.

Reference Control points (1500 series) shall be used to re-establish horizontal datum if the primary control has been destroyed. These reference control points shall not be used for vertical control unless the elevation has been established from the project datum with 3-wire level techniques.

All additional project control shall be occupied, measured, and adjusted with direct survey ties to at least two of the control points listed in the table above. New survey control shall not be independent of the survey control listed above. This includes horizontal coordinates and elevations.

Positional Accuracy:	Horizontal - GPS (1.0 cm ± 1PPM)	PN: 100
	Horizontal - Primary (2.0cm ± 20PPM):	PN:1-3
	Horizontal - Secondary (3 cm ± 50PPM):	PN:N/A
	Vertical - NGS 1st Order (±4mm x vdist in km)	PN:990-992
	Vertical - NGS 2nd Order (±6mm x vdist in km)	PN:N/A
	Vertical - NGS 3rd Order (±8mm x vdist in km)	PN:1-3, 100

Horizontal Datum: NAD 1983 (1997) State Plane Zone: 0301 - North Zone
The adjustment year is based on metadata in the SDMS Control file
A project CAF of: 0.999934954 has been used to compute the above coordinates.
The project CAF shall have a minimum precision of 9 digits right of the decimal.
This CAF is intended for use within the project limits only.
Grid Distance = Ground Distance X CAF
If Coordinates are listed as Ground:
To compute Grid Coordinates, multiply the Ground Coordinates by CAF about the origin of X=0 & Y=0
If Coordinates are listed as Grid:
To compute Ground Coordinates, divide the Grid Coordinates by CAF about the origin of X=0 & Y=0

Vertical Datum: NAVD 1988 based NGS BM: H 315, V 330, & W 330
A project Elevation Factor of: 0.9999861249 has been computed and incorporated in the above CAF.
This is based on the average elevation of the project: 290.08 Feet
3-Wire Leveling techniques have been used to establish elevations on
Points: 1-3, 100 From NGS BM: H 315, V 330, & W 330

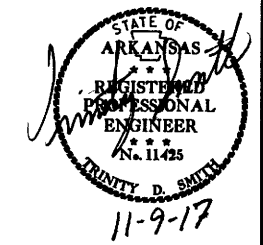
Basis of Bearing: Grid Bearings based on AHTD GPS points: 160032
Convergence Angle is: 0°43'33" Right at PN: 2
LT: 34-51-14 N LG: 92-45-09 W
Grid Azimuth = Astronomical Azimuth - Convergence Angle

Note: Information in Italics is for clarification only. It is not to be part of the actual Control Table or Control Detail Sheets.

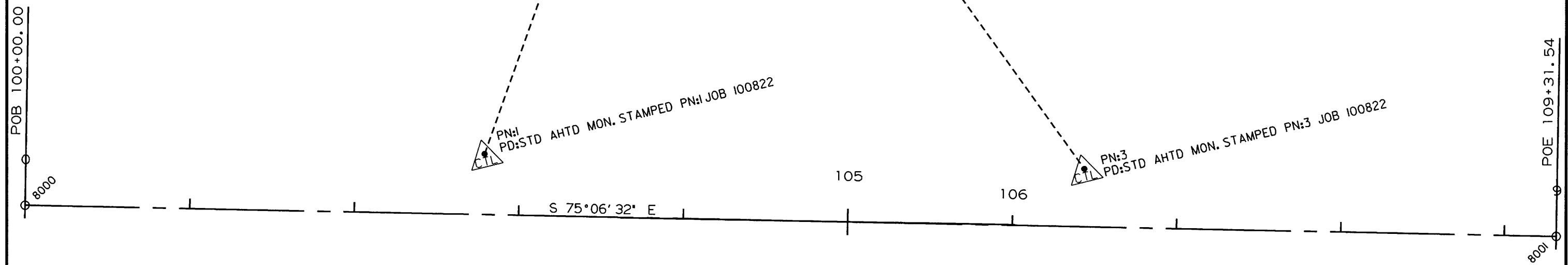
LOCATION: HWY. 91 / HENSON ROAD
CITY: JONESBORO
COUNTY: CRAIGHEAD
DISTRICT: 10 SCALE: 1" = 60' DRAWN BY: CJS

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						JOB NO. 100822	8	15

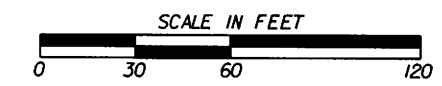
② SURVEY CONTROL DETAILS



HWY. 91 CENTERLINE POINTS				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
8000	POB	100+00.00	555652.92	1681622.33
8001	POE	109+31.54	555413.53	1682522.59



11-6-17
t100822.dgn

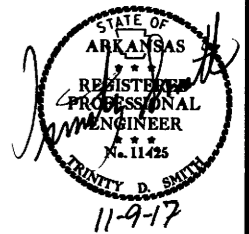


DATE: 11-6-17 FILE NAME: t100822.dgn

LOCATION: HWY. 91/HENSON ROAD
 CITY: JONESBORO
 COUNTY: CRAIGHEAD
 DISTRICT: 10 SCALE: 1" = 60' DRAWN BY: CJS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
11/6/2017				6	ARK.			
						JOB NO. 100822	9	15

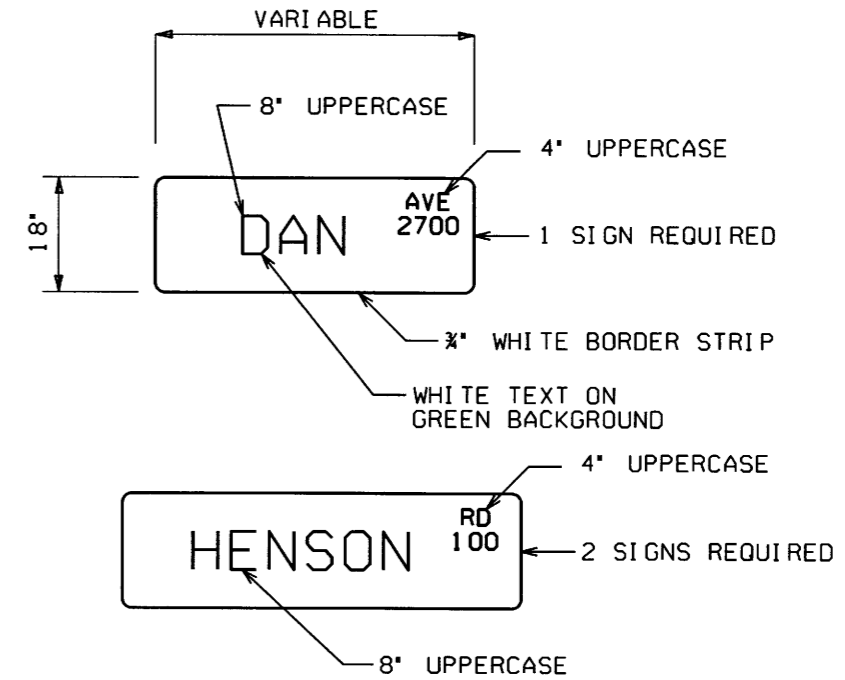
2 TRAFFIC SIGNAL QUANTITIES



TRAFFIC SIGNAL QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
SP & 701	SYSTEM LOCAL CONTROLLER TS2-TYPE 2, E-NET (8 PHASES)	1	EACH
SP	ETHERNET SWITCH, T100 HARDENED (8-PORT)	1	EACH
SP	E-NET CABLE (EXTERIOR CAT 5E)	68	LIN. FT.
SP	BATTERY BACKUP SYSTEM	1	EACH
704	VEHICLE DETECTOR-RACK MOUNT	1	EACH
SP	LOOP WIRING CLASS III (1C/16 A.W.G.)	784	LIN. FT.
704	FEEDER WIRE	1761	LIN. FT.
SP	FIBER OPTIC BLANK OUT SIGN	2	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	10	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	1	EACH
SP	LOUVERS	4	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	528	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	148	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	578	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	232	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	382	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., E.G.C.)	275	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	20	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	671	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	20	LIN. FT.
710	NON-METALLIC CONDUIT (1")	403	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	60	LIN. FT.
710	NON-METALLIC CONDUIT (2")	734	LIN. FT.
710	NON-METALLIC CONDUIT (3")	447	LIN. FT.
711	CONCRETE PULL BOX (TYPE 1 HD)	8	EACH
711	CONCRETE PULL BOX (TYPE 2 HD)	6	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (26')	1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (42')	1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (46')	2	EACH
SP	LUMINAIRE ASSEMBLY	4	EACH
SP	SERVICE POINT ASSEMBLY (2 CIRCUITS)	1	EACH
SP	18" STREET NAME SIGN	3	EACH
* SP & 733	VIDEO DETECTOR (CLR)	5	EACH
733	VIDEO CABLE	687	LIN. FT.
733	VIDEO MONITOR (CLR)	1	EACH
* SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	4	EACH
SP & 733	VEHICLE DETECTOR RACK (20 CHANNEL)	1	EACH
SP	NET-ACCESS RADIO (5.8 GHZ, 32 MBPS)	1	EACH
SP	NET-SUBSCRIBER RADIO (5.8 GHZ, 32 MBPS)	1	EACH

* ONE SPARE VIDEO DETECTOR AND ONE SPARE VIDEO PROCESSOR SHALL BE SUPPLIED.



- NOTES:
- REFLECTIVE SHEETING SHALL COMPLY WITH ASTM 4956 TYPE 8 OR 9. REFLECTIVE SHEETING, SHEETING AND LEGEND SHALL BE APPLIED IN SUCH A MANNER TO PROVIDE WRINKLE AND BUBBLE FREE SURFACES. APPLICATION OF SHEETING IS CAUSE FOR REJECTION OF MATERIALS DUE TO WORKMANSHIP.
 - ALUMINUM SIGN BLANK SHALL BE ALLOY 6061-T6 OR 5052-H38. THE ALUMINUM SIGN SHALL ALSO BE ANODIZED. THE ALUMINUM SHEETING SHALL BE 0.100 INCH NOMINAL THICKNESS AND OF THE SIZE SHOWN WITH 1.5" CORNER RADIUS. PRIOR TO FABRICATION OF THE SIGNS, THE LAYOUT SHALL FIRST BE APPROVED BY AN AGENT OF THE CITY.
 - WHEN CROSSROAD HAS TWO NAMES, THE SIGN FOR THE CROSSROAD TO THE LEFT MAY BE INSTALLED ON THE BACKSIDE OF THE MAST ARM OF THE NEAR SIDE LEFT POLE. SEE STD. DETAIL SHEET FOR MORE INFORMATION FOR MOUNTING ON MAST ARM ASSEMBLY.
 - THE SERIES C 2000 FONT SHALL BE USED FOR ALL LETTERS.

LOCATION:	HWY. 91 / HENSON ROAD
CITY:	JONESBORO
COUNTY:	CRAIGHEAD
DISTRICT:	10
SCALE:	N/A
DRAWN BY:	CJS