PROJECT LOCATION

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONSTRUCTION PLANS

FED.RD. STATE SHEET TOTAL SHEETS J0B NO. 100730

HWY, I/FOX MEADOW LN. & HWY, 91/UNIVERSITY LOOP SIGNALS IJONESBORON

HWY. 1/FOX MEADOW HWY. 91/UNIVERSITY LOOP SIGNALS

(JONESBORO) (S)

CRAIGHEAD COUNTY

ROUTE I, SECTION 17 ROUTE 91, SECTION 2

FAP NO. STP-9227(44)

JOB 100730



ARKANSAS HIGHWAY DISTRICT 10

PROJECT LOCATION PROJECT LOCATION

R4E R4E

R4E

MID POINT OF PROJECT

Long. 90°40′II″ W Lat. 35°47′19″ N

SHEET NO.	TITLE	DRAWING NO	DATE
1	TITLE SHEET		
2	INDEX OF SHEETS, GOVERNING SPECIFICATIONS AND NOTES		
3	SUMMARY OF QUANTITIES AND REVISIONS		
4	CONTROL DETAIL SHEET (HWY. IAT FOX MEADOW LN.)		
5	PERMANENT PAVEMENT MARKINGS (HWY. IAT FOX MEADOW LN.)		
6-8	SIGNALIZATION PLANS (HWY. I AT FOX MEADOW LN.)		
9	CONTROL DETAIL SHEET (HWY. 91 AT UNIVERSITY LOOP)		
10	MAINTENANCE OF TRAFFIC (HWY. 91 AT UNIVERSITY LOOP)		
11-12	CURB DETAILS (HWY. 91AT UNIVERSITY LOOP)		
13	PERMANENT PAVEMENT MARKINGS (HWY. 91 AT UNIVERSITY LOOP)		
14-16	SIGNALIZATION PLANS (HWY. 91 AT UNIVERSITY LOOP)		
17-22	SIGNALIZATION DETAILS		
23	CURBING DETAILS	CG-I	11-29-07
24	DETAILS OF DRIVEWAYS & ISLANDS	DR-I	11-29-07
25	PAVEMENT MARKING DETAILS	PM-I	11-17-10
26	STANDARD TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION	TC-I	11-17-10
27	STANDARD TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION	TC-2	3-11-10
28	STANDARD TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION	TC-3	10-15-09

GENERAL NOTES

- I. LEVEL DATUM U.S.C.& G.S.
- 2. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON THE PLANS.
- 3. ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- 4. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U.S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- 6. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 7. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2003, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	

TITLE

JOB 100730____VIDEO DETECTOR (COLOR)

ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS FHWA-1273REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS FHWA-1273SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS FHWA-1273SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140) FHWA-1273SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES FHWA-1273SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS FHWA-1273SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS FHWA-1273SUPPLEMENT - WAGE RATE DETERMINATION
IOO-2
JOB 100730CABINET DRAWER ASSEMBLY JOB 100730EDGE CARD VIDEO PROCESSOR JOB 100730ELECTRICAL CONDUCTORS-IN-CONDUIT JOB 100730ELECTRICAL CONDUCTORS FOR LUMINAIRES JOB 100730GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION JOB 100730INTERNET BIDDING JOB 100730LED TRAFFIC SIGNAL HEAD JOB 100730LUMINAIRE ASSEMBLY (CUTOFF TYPE) JOB 100730SERVICE POINT ASSEMBLY JOB 100730STREET NAME SIGN (MAST ARM MOUNTED) JOB 100730SYSTEM LOCAL CONTROLLER JOB 100730SYSTEM LOCAL CONTROLLER

TRAFFIC SIGNAL NOTES

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
TIC TISES	, in the second			6	ARK.			
				JOB	NO.	100730	2	28
		70 (200		INDEX C	F SHEE	TS, GOVERNING	SPECS. &	NOTES

ARKANSAS

PROFESSIONAL ENGINEER No.8141

TICCI D. TIMER

3-1-11

I. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2002)
NATIONAL ELECTRICAL CODE, NFPA 101 (2000) LIFE SAFETY CODE, STATE ELECTRICAL CODE AND LOCAL
FLECTRICAL CODE

2. EXTEND GREEN EQUIPMENT GROUNDING CONDUCTOR (EGC) FROM GROUND BAR AT MAIN BREAKER TO CONTROL PANEL AND TO FIRST POLE. SOLIDLY BOND EGC TO GROUND LUG OF CONTROL CABINET AND TO POLE GROUND. ENSURE THAT ONLY ONE NEUTRAL-TO-GROUND BOND EXISTS IN THE SYSTEM AND THAT IT IS AT THE MAIN BREAKER.

3. ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY TO A SERVICE POLE WITH EXTERNAL RAINTIGHT BREAKER (MAIN BREAKER), GALVANIZED STEEL SERVICE RISER, METER LOOP (IF REQUIRED), AND WEATHERHEAD AT A MUTUALLY ACCEPTABLE POINT WITHIN THE RIGHT-OF-WAY. IF THE SERVICE POINT IS OVER 10 FEET FROM THE CONTROLLER, THE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE TWO CIRCUIT EXTERNAL BREAKER (SECONDARY BREAKER) ON OR NEAR THE TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL INSTALL CONDUIT, ELECTRICAL SERVICE WIRE (2c/*6 USE RATED, WITH GROUND TYPICAL), AND PERFORM WIRING TO TAP INTO THE CITY'S MAIN BREAKER AS PART OF THIS CONTRACT. CONDUIT IS PAID FOR AS A SEPARATE ITEM OF THIS CONTRACT. TWO CIRCUIT BREAKERS, CONSIDERED SUBSIDIARY TO THE CONTROL EQUIPMENT WHERE STREET LIGHTING IS INCLUDED. AS PART OF THE SIGNAL INSTALLATION, STREET LIGHTING CIRCUIT (2c/*12 AWG UF RATED, TYPICAL) SHALL BE KEPT FROM THE CIRCUIT SERVING THE TRAFFIC SIGNAL CONTROL EQUIPMENT FROM THE POINT OF TIE-IN AT THE SECONDARY BREAKER PROVIDED BY THE CONTRACTOR.

4. CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE.

5. TRAFFIC CONTROLLER CABINET AND LAYOUT SHALL BE SUCH THAT IT IS NOT NECESSARY TO SHUT DOWN POWER OR REMOVE LOAD SWITCHES IN ORDER TO EASILY TEST OR MODIFY DETECTOR INPUTS TO THE CONTROLLER.

. CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS.

. ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARDS AND DETAILS AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES,

8. CONDUIT INSTALLED UNDER ROADWAY SURFACES SHALL BE INSTALLED BY PUSHING OR BORING METHODS. IF THE ENGINEER DETERMINES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD AS SHOWN IN THE DETAILS MAY BE USED.

. TRAFFIC SIGNAL POLES SHALL BE GALVANIZED. BACKPLATES SHALL BE SUPPLIED FOR ALL SIGNAL HEADS.

O. FOUNDATION FOR ALL POLES SHALL BE EXTENDED IF NECESSARY TO ACCOMMODATE THE REQUIREMENTS FOR SIGNAL HEAD CLEARANCE ABOVE ROADWAY ONLY AT LOCATIONS WHERE THE GROUND ELEVATION AT THE POLE IS BELOW THE ELEVATION OF THE ROADWAY (SEE NOTES ON SPECIAL DETAILS). PAYMENT WILL BE INCLUDED IN SECTION 714, AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

II. ALL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE 3" DIAMETER UNLESS SPECIFIED ON PLANS.

12. CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.

13. LUMINAIRE ASSEMBLIES SHALL BE OF THE FULL CUTOFF TYPE.

14. HARDWARE INPUTS MAY BE DETERMINED BY SUPPLIER EACH DETECTOR OUTPUT SHALL INPUT THE CONTROLLER THROUGH A SEPARATE INPUT UNLESS OTHERWISE NOTED AND BE PROGRAMMED TO ACTUATE THE ASSOCIATED PHASE. COMBINATION (COMB.) DETECTORS SHALL ALSO BE PROGRAMMED TO PROVIDE VEHICLE COUNT/OCCUPANCY DATA.

15. THE LOCAL RADIO WITH ANTENNA SHALL BE AN MDS 9810 SPREAD SPECTRUM RADIO WHICH IS COMPATIBLE WITH THE EXISTING CLOSED LOOP COORDINATION SYSTEM IN THE CITY.

16. TO DETERMINE UTILITY CLEARANCES ABOVE THE TRAFFIC SIGNAL POLE, REFER TO THE POLE SCHEDULE FOR VERTICAL SHAFT HEIGHT. WHERE THE POLE SCHEDULE INDICATES THAT A LUMINAIRE ARM WILL BE USED, 38 FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE LUMINAIRE ARM, WHERE THE POLE SCHEDULE INDICATES A TRAFFIC SIGNAL POLE WITHOUT A LUMINAIRE ARM, A HEIGHT OF 21 FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE TRAFFIC SIGNAL MAST ARM, AN ADDITIONAL 6 FEET SHOULD BE USED DIRECTLY ABOVE "VIDEO DETECTOR" AT LOCATIONS SHOWN ON THE SIGNAL PLANS.

17. THE DESIRABLE MINIMUM DISTANCE FROM THE FACE OF ROADWAY CURB OR SHOULDER EDGE TO THE FACE OF NON-BREAKAWAY POLE OR OBSTRUCTION IS 6 FEET. REFER TO TRAFFIC SIGNAL PLANS FOR SPECIFIC LOCATION OF POLES, CONTROLLER AND ANY OTHER NON-BREAKAWAY OBSTRUCTIONS. REFER TO "DESIGN PARAMETERS, MINIMUM CLEAR ZONE DISTANCE" FOR MINIMUM DISTANCE FROM THE EDGE OF TRAVELED WAY TO THE FACE OF A NON-BREAKAWAY POLE OR OBSTRUCTION. TRAFFIC SIGNAL POLES OR ANY OTHER NON-BREAKAWAY OBSTRUCTION SHALL NOT BE INSTALLED WITHIN THE CLEAR ZONE.

18. AS DETERMINED BY THE ENGINEER, FOUNDATION EMBEDMENT MAY BE DECREASED BY A MAXIMUM OF TWO FEET IF COMPETENT ROCK IS ENCOUNTERED PRIOR TO ACHIEVING PLAN EMBEDMENT AND AT LEAST HALF OF THE REMAINING PLAN EMBEDMENT IS KEYED INTO COMPETENT ROCK.

19. CONNECTION OF TRAFFIC SIGNAL DISPLAY TO FIELD WIRING SHALL UTILIZE AN APPROVED TERMINAL STRIP BEHIND HANDHOLE COVER AT BASE OF POLE. TERMINAL STRIP SHALL PROVIDE PROTECTION TO PREVENT EXPOSURE TO THE PUBLIC IN THE EVENT THAT POLE COVER IS MISSING. PAYMENT FOR TERMINAL STRIPS SHALL BE INCLUDED IN ITEM 714-TRAFFIC SIGNAL MAST ARM POLE WITH FOLINDATION.

20. CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO IMSA STANDARDS.

21. ONE VIDEO PROGRAMMING MODULE SHALL BE PROVIDED FOR AIMING AND SETUP OF DETECTORS IF THE VIDEO SYSTEM CANNOT BE ADJUSTED THROUGH HARDWARE AND SOFTWARE PROVIDED BY ITEMS WITHIN THE JOB.

22. TRAFFIC SIGNAL CONTRACTOR MUST NOTIFY RESIDENT ENGINEER OR ASSIGNED DEPARTMENT PROJECT INSPECTOR EACH DAY PRIOR TO SIGNAL RELATED WORK NO WORK ON TRAFFIC SIGNALS WILL BE ALLOWED OR APPROVED WITHOUT THIS PRIOR NOTIFICATION.

23. ALL STEEL POLES SHALL BE DESIGNED TO MEET THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 4TH EDITION (2001) WITH 2003 AND 2006 INTERIMS.

24. TRAFFIC SIGNAL CONTROLLER SHALL BE COMPATIBLE WITH THE CITY'S EXISTING EAGLE MARC MASTER CLOSED LOOP SYSTEM.

LOCATION: HWY. 1/FOX MEADOW LN. & HWY. 91/UNIVERSITY LOOP CITY: JONESBORO

COUNTY: CRAIGHEAD

DISTRICT: 10 SCALE: 1" = NA'

DRAWN BY: JPD

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WORKSPACE: AHTDV8
L:\2010\10017501 - AHTD - Jonesboro Signals\Di

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ITEM	ITEM	HWY. IAT	HWY. 9I AT	TOTAL	UNIT
NO.		FOX MEADOW LN.	UNIVERSITY LOOP	QUANTITY	UNIT
202	REMOVAL AND DISPOSAL OF CURB AND GUTTER	-	72	72	LIN. FT.
202	REMOVAL AND DISPOSAL OF ISLANDS	-	64	64	SQ. YD.
202	REMOVAL AND DISPOSAL OF SIGNS			2	EACH
210	UNCLASSIFIED EXCAVATION	-	3	3	CU. YD.
505	PORTLAND CEMENT CONCRETE DRIVEWAY	-	29	29	SQ. YD.
601	MOBILIZATION	0.50	0.50	1.00	L.S.
SS&603	MAINTENANCE OF TRAFFIC	0.50	0.50	1.00	L.S.
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS	2645	3525	6170	LIN. FT.
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS (WORDS)	2	_	2	EACH
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS (ARROWS)	2	2	4	EACH
SS&604	SIGNS	-	72	72	SQ. FT.
SS&604	TRAFFIC DRUMS	-	55	55	EACH
SS&620	WATER		0.1	0.1	M.G.
624	SOLID SODDING	-	10	10	SQ. YD.
628	TOPSOIL FURNISHED AND PLACED	 	2	2	CU. YD.
632	CONCRETE ISLAND		IIO	110	SQ. YD.
634	CONCRETE COMBINATION CURB AND GUTTER (TYPE A) (1'6")	=======================================	207	207	LIN. FT.
SP&701	SYSTEM LOCAL CONTROLLER TS2-TYPE 2 (8 PHASES)	1 7	201	2	EACH
SP&706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, I WAY)	8	9	17	EACH
SP&706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, I WAY)	1	J J	2	EACH
708	TRAFFIC SIGNAL CABLE (5c/14 A.W.G.)		355	632	LIN. FT.
708	TRAFFIC SIGNAL CABLE (3C/14 A.W.G.)	277	117		
708		66	29	183	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12c/14 A.W.G.) TRAFFIC SIGNAL CABLE (20c/14 A.W.G.)	170	216	199	LIN. FT.
709		36		252	LIN. FT.
	GALVANIZED STEEL CONDUIT (1.25")	15	15	30	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")		10	21	LIN. FT.
710	NON-METALLIC CONDUIT (2")	21	23	44	LIN. FT.
	NON-METALLIC CONDUIT (3")	170	245	415	LIN. FT.
SS&7II	CONCRETE PULL BOX (TYPE 2 HD)	3	4	7	EACH
SS&714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (36')	1	3	4	EACH
SS&714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (32'-42')	1	-		EACH
SS&718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (IO")		207	207	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING WHITE (4")	1091	2023	3114	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING WHITE (8")	-	466	466	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	26	91	117	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING WHITE (24")	34	55	89	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING YELLOW (4")	1440	2246	3686	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING YELLOW (8")	-	270	270	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING YELLOW (12")	-	16	16	LIN. FT.
SS&719	THERMOPLASTIC PAVEMENT MARKING (WORDS)	2	4	6	EACH
SS&719	THERMOPLASTIC PAVEMENT MARKING (ARROWS)	2	6	8	EACH
721	RAISED PAVEMENT MARKERS (TYPE II)	24	73	97	EACH
SP&733	VIDEO DETECTOR (CLR)	6	5	11	EACH
733	VIDEO CABLE	663	738	1401	LIN. FT.
733	VIDEO MONITOR (CLR)	I	I	2	EACH
SP&733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	4	3	7	EACH
SP&733	VIDEO EDGE CARD EXTENDER			2	EACH
SP&733	VEHICLE DETECTOR RACK (16 CHANNEL)	· 1		2	EACH
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2c/6 A.W.G.)	26	25	51	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (Ic/8 A.W.G., EGC)	217	270	487	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (IC/I2 A.W.G., EGC)	120	100	220	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	290	251	541	LIN. FT.
SP	LUMINAIRE ASSEMBLY	2	2	4	EACH
SP	LOCAL RADIO WITH ANTENNA	1	I	2	EACH
SP	ANTENNA CABLE (TYPE 6)	56	58	114	LIN. FT.
SP	18" STREET NAME SIGN	3	3	6	EACH
SP	SERVICE POINT ASSEMBLY (2 CIRCUITS)	I		2	EACH

^{*} ONE ADDITIONAL VIDEO DETECTOR AND ONE ADDITIONAL VIDEO PROCESSOR, EDGE CARD PROVIDED FOR FUTURE USE AT HWY. I AT FOX MEADOW LN. INTERSECTION.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	100730	3	28

(2) SUMMARY OF QUANTITIES AND REVISIONS

ARKANSAS

REMSTERED

PROFESSIONA

ENGINEER

NO.8141

CCI D. TUNE

REVISION BOX

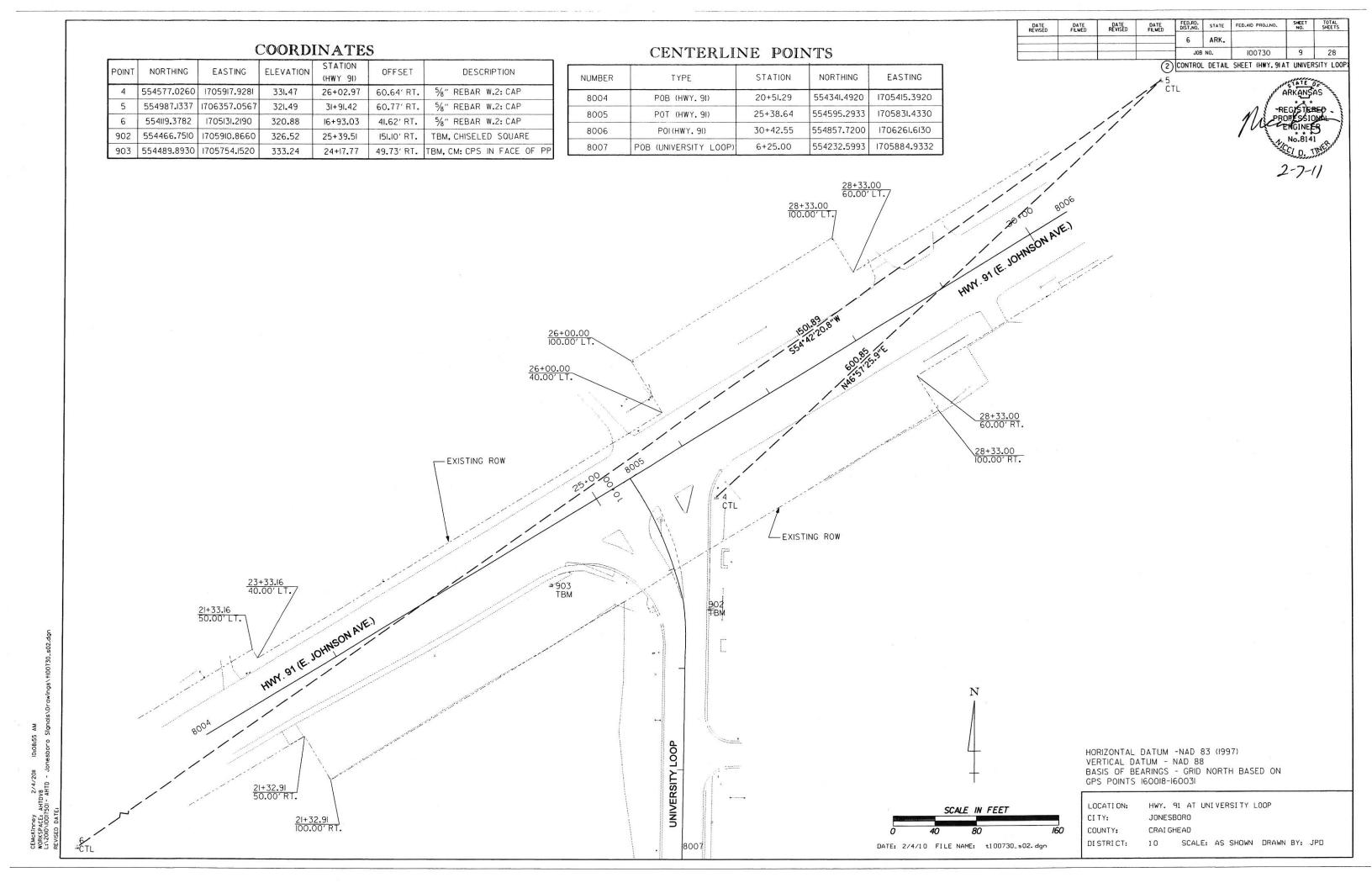
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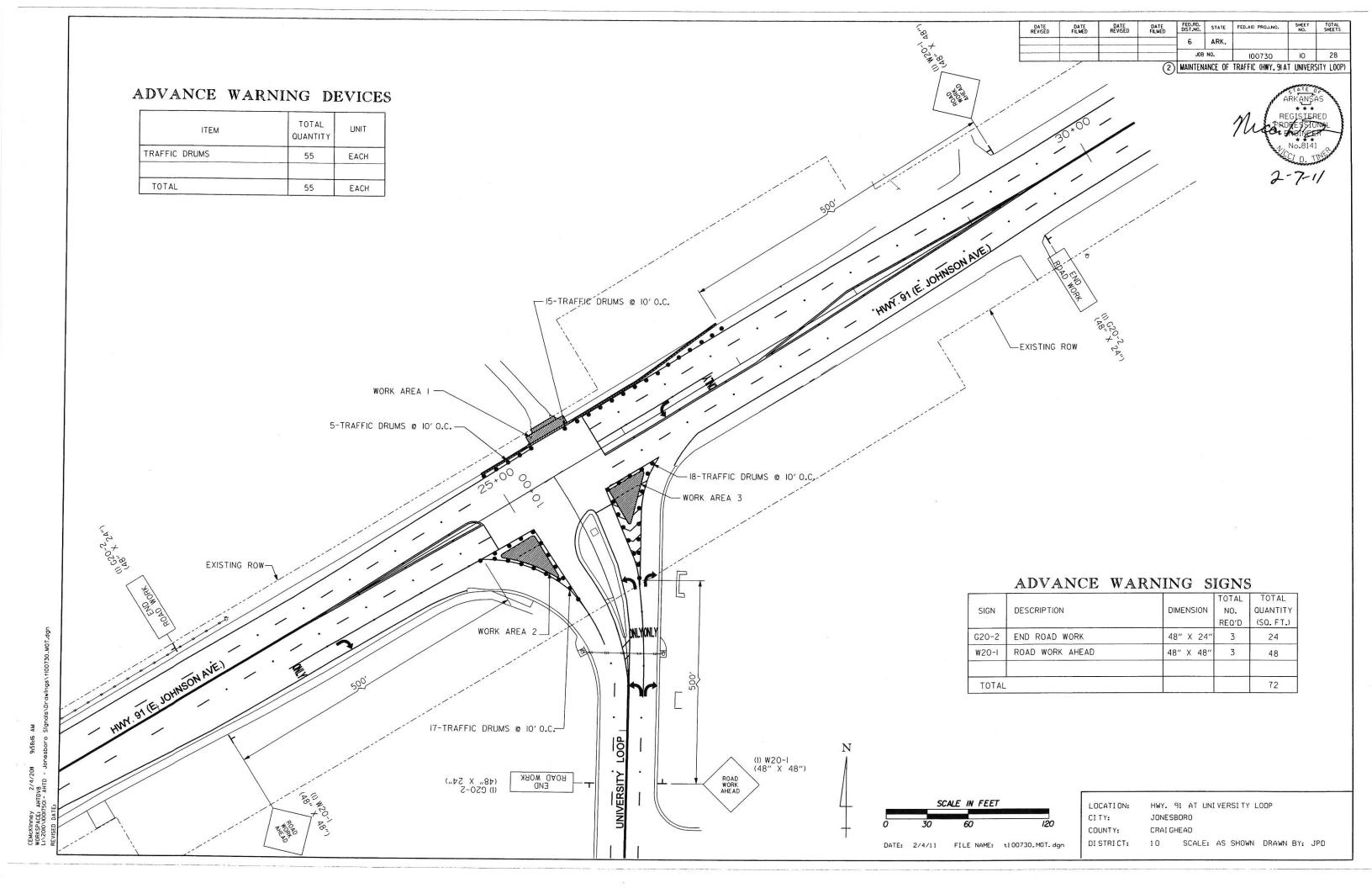
LOCATION: HWY. 1/FOX MEADOW LN. & HWY. 91/UNIVERSITY LOOP CITY: JONESBORO

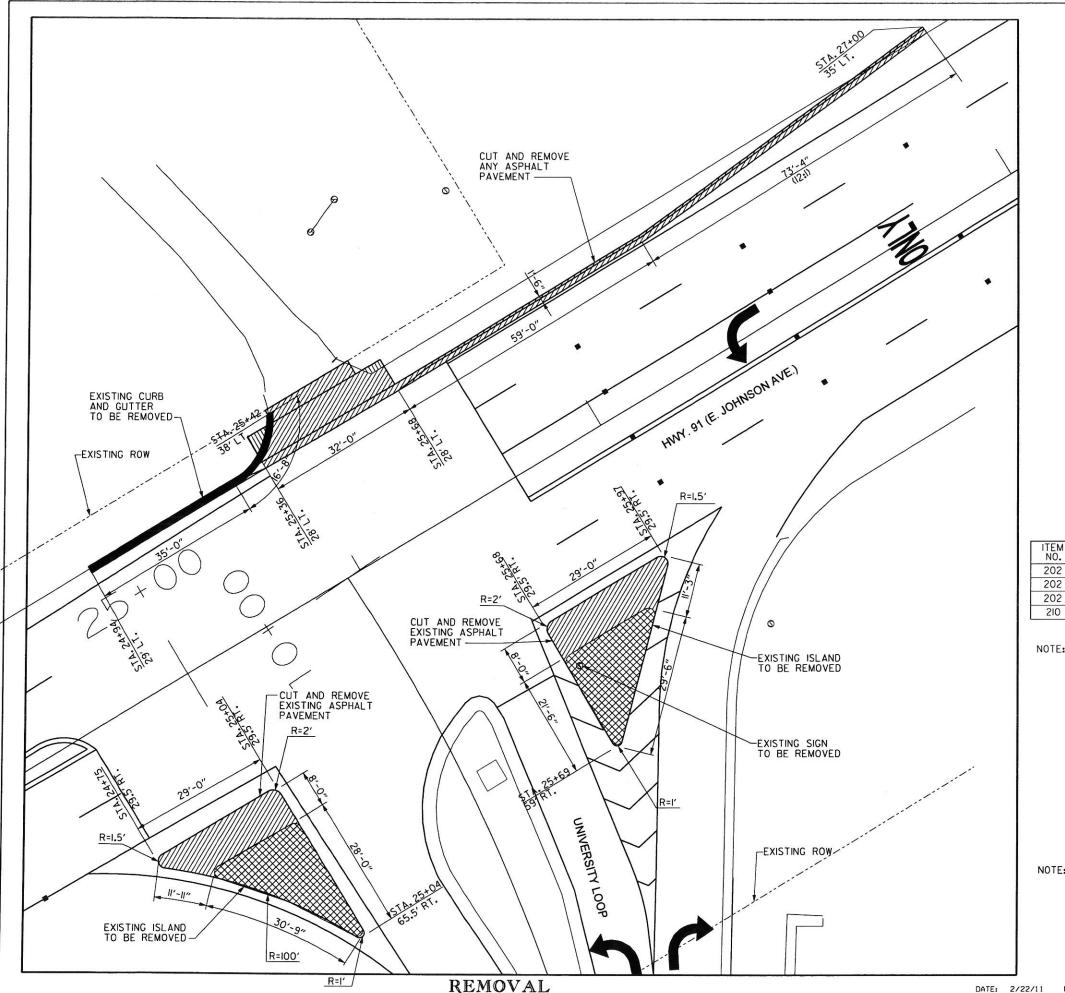
COUNTY: CRAIGHEAD

DISTRICT: 10 SCALE: 1"=NA"

DRAWN BY: JPD







FED.RD. STATE FED.AID PROJ.NO. SHEET TOTAL NO. SHEETS DATE REVISED DATE FILMED 100730

2 CURB DETAILS (HWY. 91 AT UNIVERSITY LOOP)

ARKANŠAS

2-22-11

LEGEND

EXISTING CONCRETE CURB AND GUTTER TO BE REMOVED

EXISTING CONCRETE ISLAND TO BE REMOVED

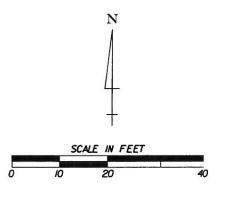
EXISTING ASPHALT TO BE REMOVED

EXISTING GRASS TO BE REMOVED

REMOVAL QUANTITIES

ITEM NO.	ITEM	QUANTITY	UNIT
202	REMOVAL AND DISPOSAL OF CURB AND GUTTER	72	LIN. FT.
202	REMOVAL AND DISPOSAL OF ISLANDS	64	SQ. YD.
202	REMOVAL AND DISPOSAL OF SIGNS	Ī	EACH
210	UNCLASSIFIED EXCAVATION	3	CU. YD.

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE SHALL BE PAID AS PLAN QUANTITY.



NOTE: STATIONING AND OFFSETS REFERENCED FROM Q HWY. 91.

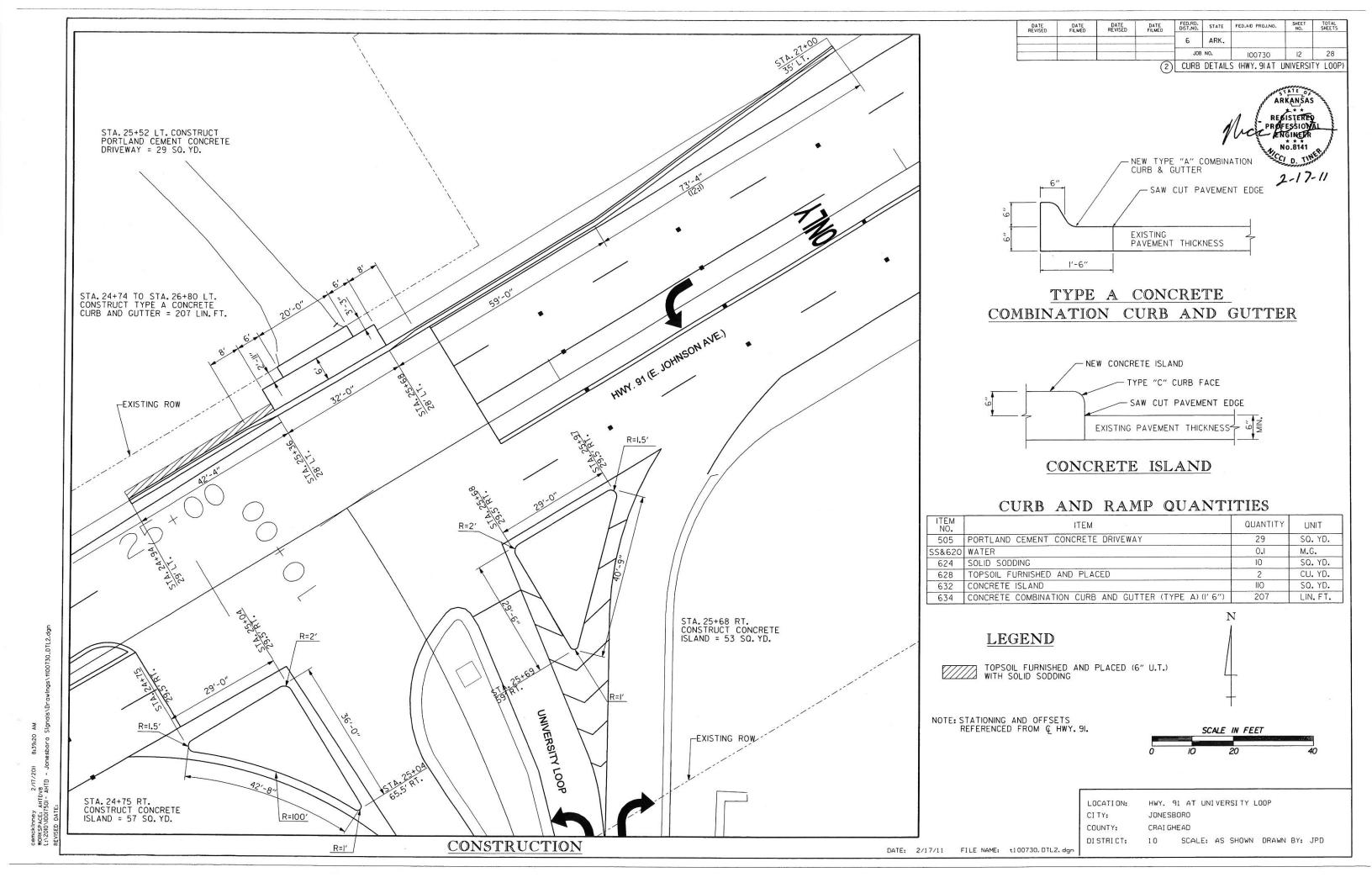
LOCATION: HWY. 91 AT UNIVERSITY LOOP

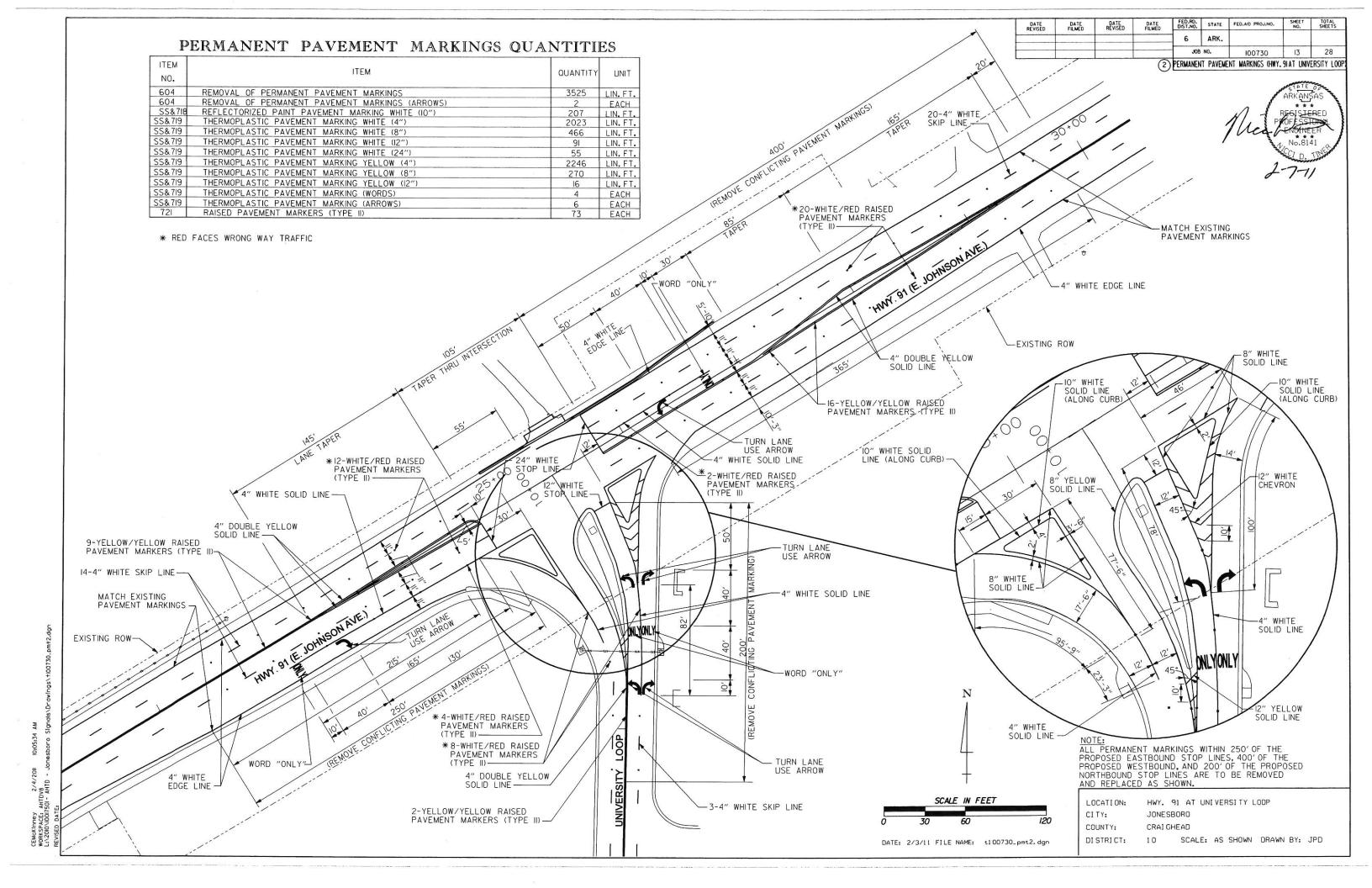
JONESBORO

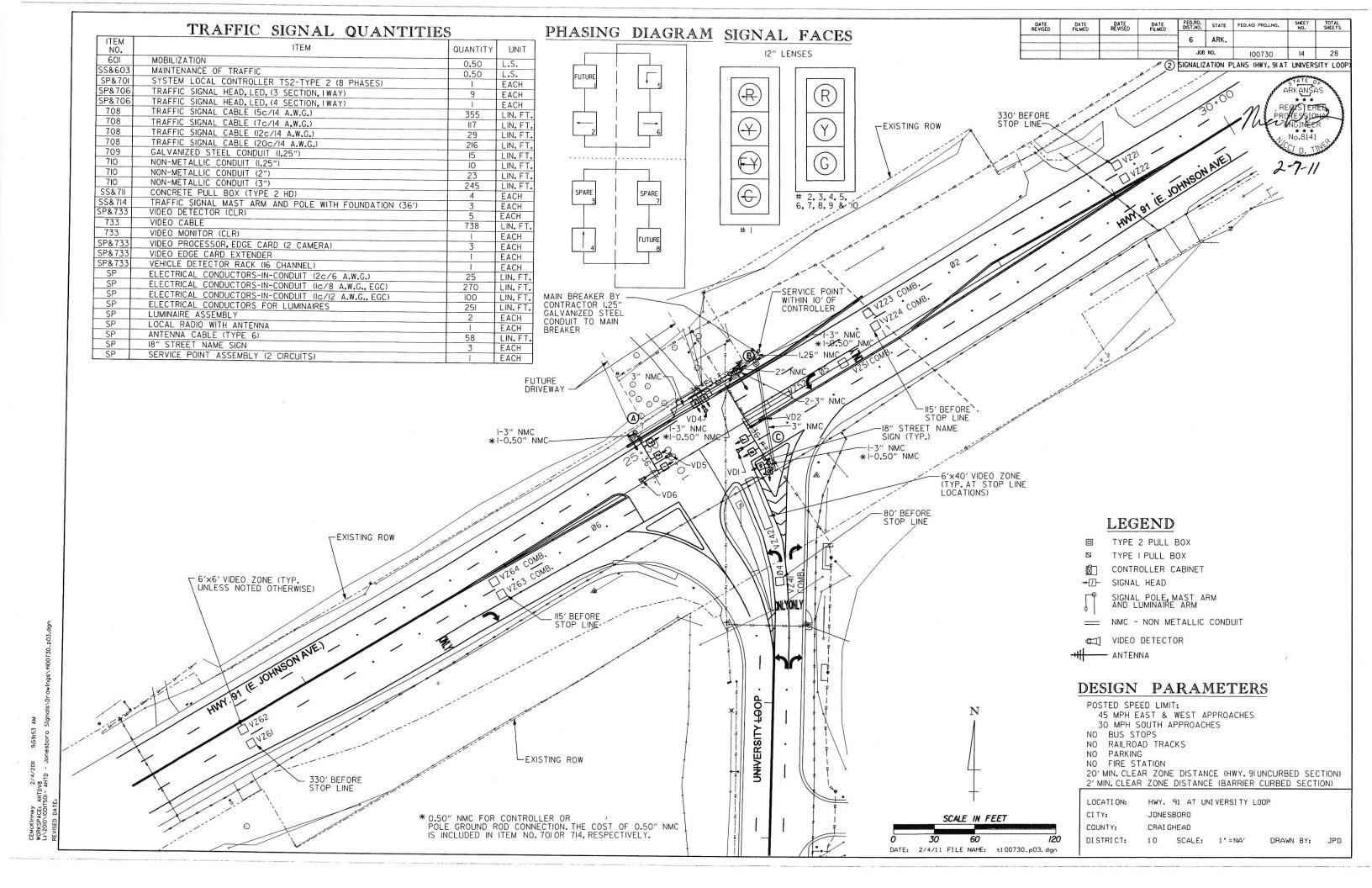
COUNTY: CRAI GHEAD DI STRI CT:

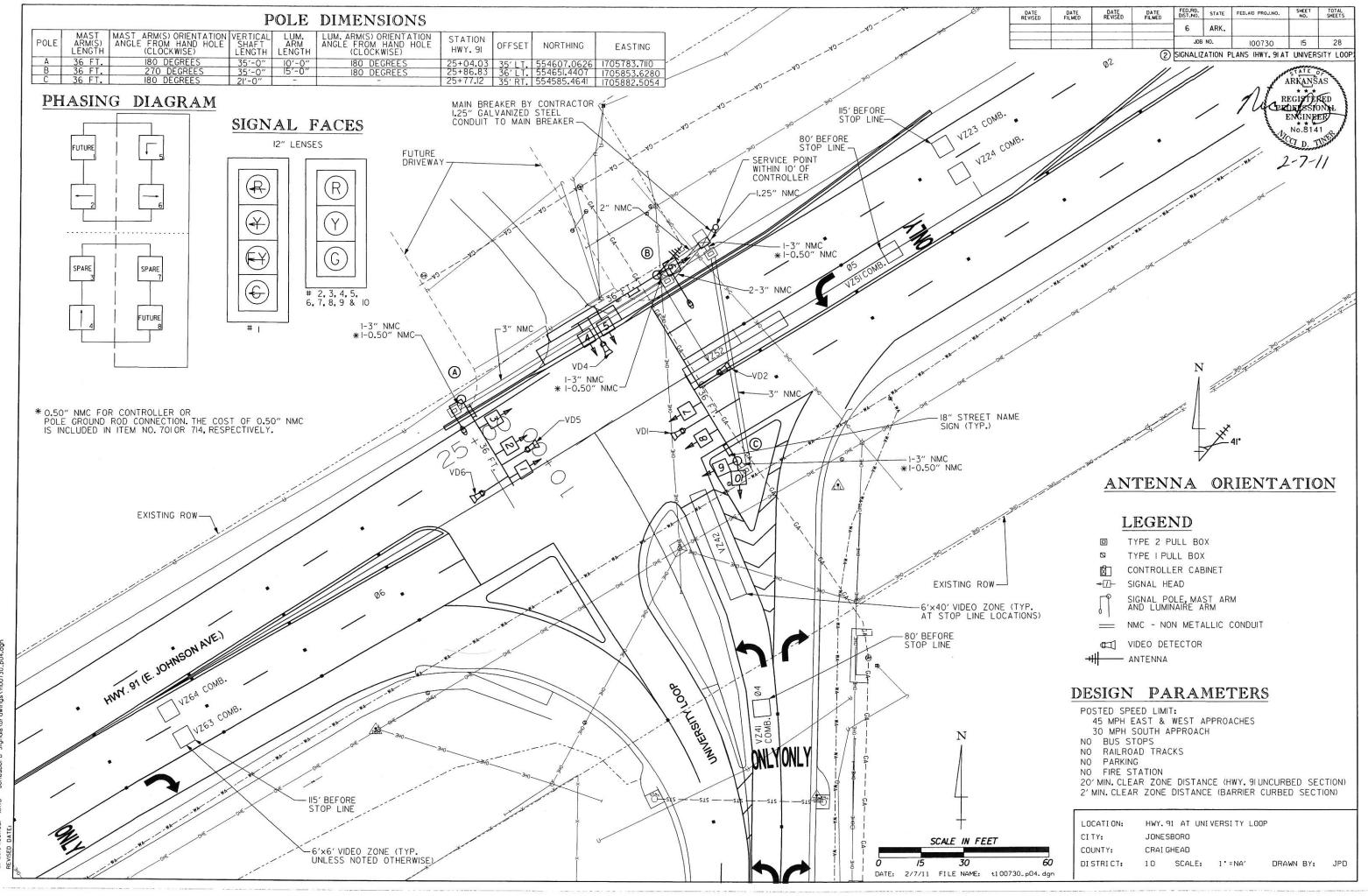
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DATE: 2/22/11 FILE NAME: t100730_DTL1.dgn





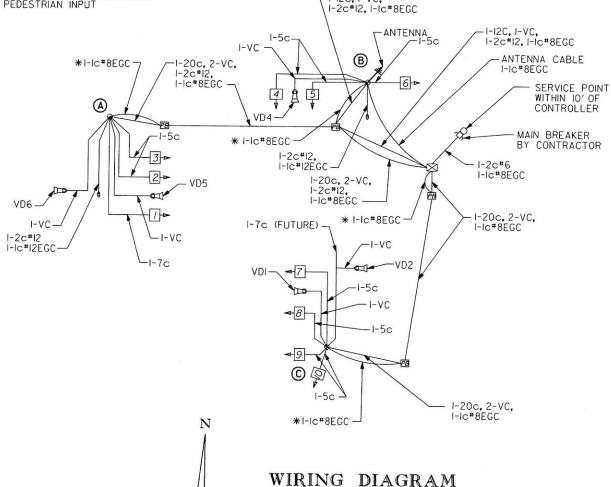




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	DETECTOR ASSIGNMENT	S			WARE II SUPPL		100000000000000000000000000000000000000	PROGRAM SIGNMEN		VIDEO	
DETECTOR I.D. #	DIRECTION & LOCATION	TYPE	DET.	CAB. TRM.	AMP CHN.	CON. INP.	PHS.	SYS. DET.#	MSTR. SYS. DET. #	DET. TUBE LENGTH	COMMENT
VZ2I	WB OUTSIDE FAR	LOCAL			1	V2	2	DE I.	DL1.	23"	VD2
VZ22	WB INSIDE FAR	LOCAL			2	V3	2			23"	VD2
VZ23	WB OUTSIDE NEAR	сомв.			3	D2	2	2		23"	VD5
VZ24	WB INSIDE NEAR	COMB.			4	D3	2	3		23"	VD5
VZ4I	NB FAR	сомв.			9	D4	4	4		23"	VD4
VZ42	NB NEAR	LOCAL			10	٧4	4			23"	VD4
VZ5I	WB LEFT FAR	сомв.			5	D5	5	5		23"	VD5
VZ52	WB LEFT NEAR	LOCAL			6	V5	5			23"	VD5
VZ6I	EB OUTSIDE FAR	LOCAL			13	٧6	6			74"	VD6
VZ62	EB INSIDE FAR	LOCAL			14	٧7	6			74"	VD6
VZ63	EB OUTSIDE NEAR	сомв.			15	D6	6	6		23"	VDI
VZ64	EB INSIDE NEAR	сомв.			16	D7	6	7		23"	VDI

CONTROLLER INPUT ABBREVIATIONS: V = VEHICLE INPUT D = SYSTEM OR AUXILIARY INPUT P = PEDESTRIAN INPUT SPARE AMP CHN. #= 7, 8, II & 12



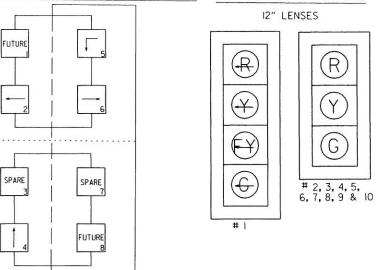
I-Ic#8EGC SHOWN SEPARATELY FROM CONTROLLER OR POLE TO NEAREST PULL BOX IS INCLUDED IN ITEM NO. 701 OR 714, RESPECTIVELY.

TYPICAL WIRING INCLUDES:

- SEPARATE 5c/#14 AWG FROM EACH 3 SEC SIGNAL HEAD TO BASE OF POLE. SEPARATE 7c/#14 AWG FROM EACH 4 SEC SIGNAL HEAD TO BASE OF POLE.
- PROVIDE SEPARATE CONDUIT FOR ANTENNA CABLE.

 ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA ON CABINET.
- 5. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.

PHASING DIAGRAM SIGNAL FACES

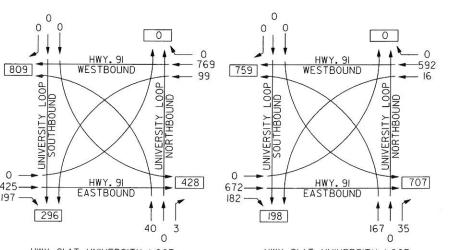


INTERVAL CHART

SIGNAL		FLASH					
FACES	2+5	CLR.	2+6	CLR.	4	CLR.	SEQ.
1	€	*	€Y	***		-₽	₩.
2, & 3	G	* *	G	* *	R	R	R
4 & 5	R	R	R	R	G	Y	R
6	G	* *	G	* *	R	R	R
7,8 & 9	R	R	G	* *	R	R	R
10	R	R	R	R	G	Υ	R

*DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE

DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE *DENOTES YELLOW OR FLASHING YELLOW ARROW DEPENDING ON NEXT PHASE



HWY. 91 AT UNIVERSITY LOOP TRAFFIC FLOW DIAGRAM TRAFFIC VOLUME A.M. PEAK HOUR

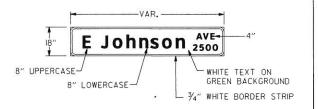
HWY. 91AT UNIVERSITY LOOP TRAFFIC FLOW DIAGRAM TRAFFIC VOLUME P.M. PEAK HOUR

NOTE: 2010 TRAFFIC VOLUMES

FED.RD. STATE FED.AID PROJ.NO. DATE REVISED DATE DATE DATE 6 ARK. JOB NO. 100730 16

(2) SIGNALIZATION PLANS (HWY. 91 AT UNIVERSITY LOOP

TYPICAL OVERHEAD STREET NAME MARKER MAST ARM MOUNTED University Loop EASH EAST-8" UPPERCASE | 8" LOWERCASE -WHITE TEXT ON GREEN BACKGROUND 3/4" WHITE BORDER STRIP



N

I.REFLECTIVE SHEETING SHALL COMPLY WITH ASTM 4956 TYPE 8 OR TYPE 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

2. 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 RADII. PRIOR TO FABRICATION OF THE SIGNS, THE LAYOUT SHALL FIRST BE APPROVED BY AN AGENT OF THE CITY OF JONESBORO.

3. SEE STD. DETAIL SHEET FOR MORE INFORMATION FOR $\,$ MOUNTING ON MAST ARM ASSEMBLY.

4. THE CLEARVIEW 5-W-R FONT SHALL BE USED FOR ALL LETTERS.

5. STREET NAME "E JOHNSON AVE" ON POLE B. STREET NAME "UNIVERSITY LOOP" ON POLES A AND C.

LOCATION: HWY. 91 AT UNIVERSITY LOOP

CITY: JONESBORO COUNTY: CRAI GHEAD

DISTRICT: 10 SCALE: 1'=NA'

DRAWN BY: JPD

DATE: 2/4/11 FILE NAME: t100730_p03.dgn