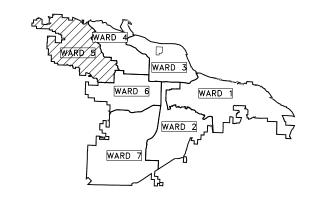
PROJECT #05-22-TR-186 CHENAL PARKWAY AND GAMBLE ROAD SIGNAL

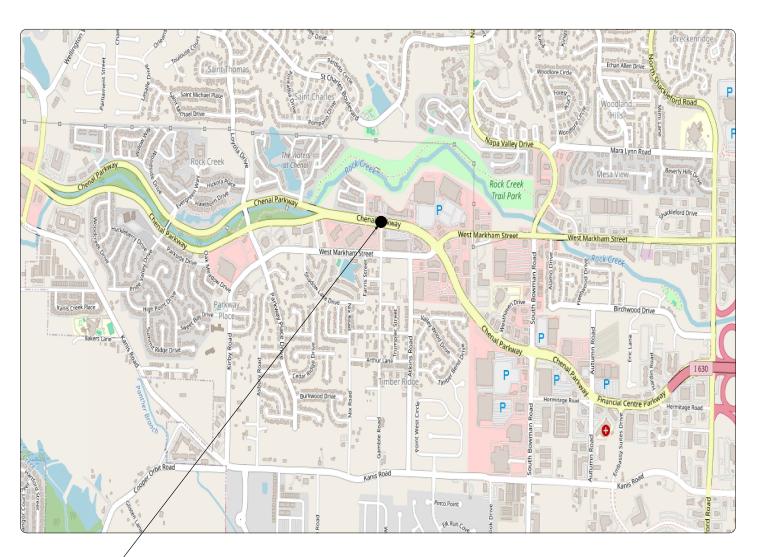


PROJECT LOCATION - WARD 5

SHEET NO.	TITLE
1	COVER SHEET
2	TRAFFIC SIGNAL NOTES
3	TRAFFIC SIGNAL QUANTITIES
4	MAINTENANCE OF TRAFFIC
5	INTERSECTION IMPROVEMENTS
6	SIGNALIZATION PLAN SHEET
7	SIGNALIZATION PLAN SHEET
8	SIGNALIZATION PLAN SHEET
9	SIGNALIZATION PLAN SHEET
10	SIGNALIZATION PLAN SHEET







PROJECT LOCATION

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 WEST MARKHAM STREET
LITTLE ROCK, ARKANSAS 72201







10800 FINANCIAL CENTRE PKWY SUITE 500 LITTLE ROCK, AR 72205 TEL (501) 801-2690 REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS CEHNAL PARKWAY AND GAMBLE ROAD SIGNAL

CIVIL ENGINEERING
701 W. MARKHAM





DRAWN BY
JLV
DESIGNED
JLV
CHECKED

BLV
DATE
11/25/2024
SCALE

PROJECT NO. 05-22-TR-186

SHEET NO.

ž

TRAFFIC SIGNAL NOTES:

- 1. THE TRAFFIC SIGNAL SHALL NOT BE PUT INTO OPERATION OR SWITCHED TO THE NEXT CONSTRUCTION STAGE PRIOR TO THE FOLLOWING:
- A. ALL TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED ACCORDING TO THE PLANS, SPECIAL PROVISIONS, AND PROPERLY FUNCTIONAL. THIS INCLUDES BUT NOT LIMITED TO: CABINETS, PULL BOXES, JUNCTION BOXES, POLES, MAST ARMS, FOUNDATIONS, LUMINAIRES, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSH BUTTONS, DETECTION SYSTEM, CONDUITS, CONDUCTORS, CABLES, TRAFFIC CONTROLLER, CONFLICT MONITOR, COMMUNICATION SYSTEM, SERVICE POINT, AND RAILROAD INTERCONNECT SYSTEM.
- B. THE DETECTION SYSTEM SHALL BE INSTALLED, SETUP, AND CONFIGURED BY THE CONTRACTOR OR THEIR SUPPLIER PER PLANS. A TRAFFIC OPERATIONS INSPECTOR SHALL INSPECT AND PROVIDE APPROVAL IN ORDER TO PUT THE TRAFFIC SIGNAL INTO OPERATION.
- C. THE TRAFFIC CONTROLLER AND CONFLICT MONITOR SHALL BE PROGRAMMED TO OPERATE AS REQUIRED PER THE PLANS (PHASING DIAGRAM, INTERVAL CHART, AND ANY ADDITIONAL NOTES), SPECIAL PROVISIONS AND ARDOT SPECIFICATIONS.
- D. TIMING SETTINGS HAVE BEEN PROGRAMMED AND APPROVED AS REQUIRED BY TRAFFIC ENGINEERING.
- E. THE TRAFFIC SIGNAL HAS BEEN INSPECTED AND APPROVED BY A TRAFFIC OPERATIONS INSPECTOR.
- F. ALL REQUIRED DOCUMENTS RELATED TO THE TRAFFIC SIGNAL EQUIPMENT, THIS INCLUDES BUT NOT LIMITED TO: TEST RESULTS, CONFIGURATION/DATA REPORTS, WARRANTIES, AND ANY OTHER DOCUMENTATION REQUIRED PER PLANS AND SPECIAL PROVISIONS.
- CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
- 3. TRAFFIC SIGNAL CONTRACTOR SHALL NOTIFY THE CITY EACH DAY PRIOR TO SIGNAL RELATED WORK. NO WORK ON TRAFFIC SIGNALS WILL BE ALLOWED OR APPROVED WITHOUT THIS PRIOR NOTIFICATION.
- 4. THE CONTRACTOR SHALL PERFORM ALL WORK POSSIBLE THAT WILL MINIMIZE THE TIME THAT THE TRAFFIC SIGNAL IS OUT OF OPERATION. IF, IN THE OPINION OF THE ENGINEER, TRAFFIC CONDITIONS WARRANT, THE CONTRACTOR SHALL PROVIDE FLAGMEN TO DIRECT TRAFFIC WHILE THE TRAFFIC SIGNAL IS OUT OF OPERATION.
- 5. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (CURRENT EDITION) NATIONAL ELECTRICAL CODE, NFPA 101 (CURRENT EDITION) LIFE SAFETY CODE, STATE ELECTRICAL CODE AND LOCAL ELECTRICAL CODE
- 6. EXTEND GREEN EQUIPMENT GROUNDING CONDUCTOR (E.G.C.) FROM GROUND BAR AT MAIN BREAKER TO CONTROL PANEL AND TO FIRST POLE. SOLIDLY BOND E.G.C. 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.
- 7. ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY/COUNTY 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 A.W.G. USE RATED, WITH GROUND TYPICAL), AND PERFORM WIRING TO TAP INTO THE CITY'S/COUNTY'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, ARE NEEDED WHERE STREET LIGHTING IS INCLUDED. AS PART OF THE SIGNAL INSTALLATION, STREET LIGHTING CIRCUIT (2c/#12 A.W.G. 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.
- 8. CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE.
- 9. 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.
- 10. CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUS.

- 11. ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, STANDARD DRAWINGS, AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- 12. CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO IMSA STANDARDS.
- 13. DOOR PANEL TEST PUSH BUTTONS SHALL ACTUATE INDICATED PHASES. DETECTOR ASSIGNMENTS AND/OR SIDE PANEL JUMPERS MAY REQUIRE MODIFICATION.
- 14. ALL SYSTEM DETECTOR RACKS AND ASSOCIATED EQUIPMENT SHALL BE PROTECTED BY THE MAIN CONTROLLER CABINET POWER SURGE PROTECTION.
- 15. 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.
- 16. 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.
- 17. THE LOCAL RADIO WITH ANTENNA AND TRAFFIC SIGNAL CONTROLLER SHALL BE COMPATIBLE WITH THE EXISTING COORDINATION SYSTEM IN THE CITY/COUNTY.
- 18. CONDUIT INSTALLED UNDER ROADWAY SURFACES SHALL BE INSTALLED BY PUSHING OR BORING METHOD OR AS DIRECTED BY THE ENGINEER. PVC OR HDPE CONDUIT SHALL BE USED AND SHALL BE UL LISTED. PVC CONDUIT SHALL BE MARKED "DIR. BORING" OR "DIRECTIONAL BORING" PER NEC. IF THE ENGINEER DETERMINES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD AS SHOWN IN THE STANDARD DRAWINGS MAY BE USED. THE ENGINEER SHALL GRANT A WRITTEN APPROVAL PRIOR TO USING THE TRENCHING METHOD.
- 19. ALL CONDUIT SHALL BE THREE (3") INCH DIAMETER UNLESS SPECIFIED ON PLANS. ALL CONDUIT UNDER THE ROADWAY, SIDEWALKS, AND DRIVEWAYS SHALL HAVE A MINIMUM DEPTH OF 24" FROM THE TOP OF THE CONDUIT TO THE FINISHED GRADE. CONDUIT DEPTH MAY NEED TO INCREASE NEAR DRAINAGE STRUCTURES.
- 20. CONDUIT BELL END FITTINGS SHALL BE INSTALLED ON ALL TERMINATING ENDS OF NON-METALLIC CONDUIT RUNS. THIS INCLUDES PULL BOXES, POLE BASES, AND TRAFFIC SIGNAL CABINETS. THE COST OF THE FITTINGS SHALL BE CONSIDERED SUBSIDARY TO THE PAYITEM. ALL NON-METALLIC CONDUIT SHALL USE LONG SWEEP 90 DEGREE ELBOWS ON ALL CONDUIT BENDS.
- 21. ALL CONCRETE PULL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. PULL BOX LIDS SHALL CLOSE FLUSH WITHOUT PINCHING ANY CONDUCTORS. CONDUIT LENGTHS IN PULL BOXES SHALL BE SET ACCORDINGLY. ANY CONDUCTORS THAT HAVE BEEN DAMAGED BY PINCHING SHALL BE COMPLETELY REPLACED AT THE CONTRACTOR'S EXPENSE.
- 22. ALL CONCRETE PULL BOXES SHALL BE SET ON A GRAVEL OR CRUSHED STONE BEDDING AS SPECIFIED IN SECTION 711, CONCRETE PULL BOX, OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014.
- 23. CONTRACTOR SHALL ATTACH A PERMANENT TAG OF RIGID PLASTIC OR NON-FERROUS METAL TO EACH CONDUIT AT PULLBOXES, POLE BASES, JUNCTION BOXES AND CONTROLLER CABINETS. TAGS SHALL BE EMBOSSED, STAMPED OR ENGRAVED WITH LETTERS 1/4" OR GREATER IN HEIGHT AND SECURED TO THE CONDUIT WITH NYLON OR PLASTIC TIES. EACH TAG SHALL INDICATE THE END LOCATION OF CONDUIT RUN. THE COST OF THE TAGS SHALL BE SUBSIDIARY TO THE CONDUIT PAY ITEM.
 - EXAMPLES FOR CONDUIT IN SIDE CABINET: "TO POLE A AND B" OR "TO POLE C" EXAMPLES FOR CONDUIT IN PULL BOX: "TO POLE A" OR "TO TRAFFIC CABINET"
- 24. 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.
- 25. ALL TRAFFIC SIGNAL POLES SHALL BE GALVANIZED WITH METAL HANDHOLE COVERS.
- 26. CONNECTION OF TRAFFIC SIGNAL DISPLAY TO FIELD WIRING SHALL UTILIZE AN APPROVED TERMINAL STRIP BEHIND HAND-HOLE 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 AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
- 27. 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 STANDARD DRAWING). PAYMENT WILL BE INCLUDED IN SECTION 714 TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO. 05-22-TR-186	SHEET NO.	TOTAL
		6		AFFIC SIGNAL N	10	



2024-11-26

- 28. 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, THIRTY-EIGHT (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 TWENTY-ONE (21') FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE TRAFFIC SIGNAL MAST ARM. AN ADDITIONAL SIX (6') FEET SHOULD BE USED DIRECTLY ABOVE "VIDEO DETECTOR" AT LOCATIONS SHOWN ON THE SIGNAL PLANS.
- 29. THE DESIRABLE MINIMUM DISTANCE FROM THE FACE OF ROADWAY CURB OR SHOULDER EDGE TO THE FACE OF NON-BREAKAWAY POLE OR OBSTRUCTION IS SIX (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.
- 30. 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 LENGTH IS KEYED INTO COMPETENT ROCK.
- 31. LED LUMINAIRE ASSEMBLIES SHALL HAVE A BUG RATING OF U0.
- 32. BACKPLATES SHALL BE SUPPLIED FOR ALL TRAFFIC SIGNAL HEADS, REFER TO THE RETROREFLECTIVE BACKPLATES SPECIAL PROVISION FOR REQUIREMENTS.
- 33. PAVEMENT MARKINGS SHOWN FOR REFERENCE ONLY. SEE PERMANENT PAVEMENT MARKING DETAILS.
- 34. BEFORE FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL, THE CONTRACTOR SHALL PROVIDE TWO (2) SETS OF LEDGER SIZE (11" X 17") AS-BUILT TRAFFIC SIGNAL PLANS TO THE CITY.

LOCATION: CHENAL PARKWAY AND GAMBLE ROAD CITY: LITTLE ROCK

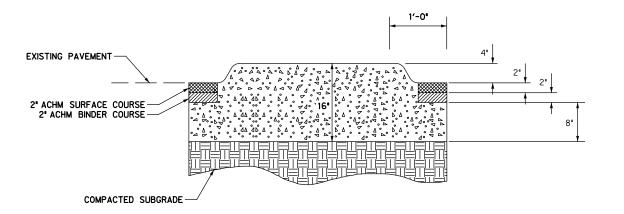
COUNTY: PULASKI

DISTRICT: 06 SCALE: 1" = N/A DRAWN BY: HALFF

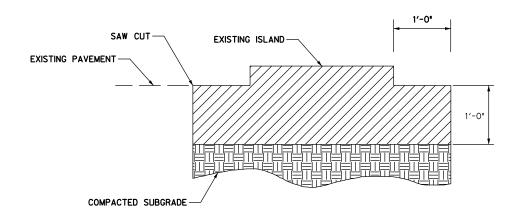
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.			SHEET NO.	TOTAL SHEETS	
12-03-2024		6	ARK.	05-22-TR-186	3	10	
12-09-2024			TDAE	FIG. CIONIAL OLIA	NITITIES		
		TRAFFIC SIGNAL QUANTITIES					

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

SUMMART OF TRAFFIC SIGNAL QUANTITIES								
ITEM NUMBER	ITEM	QUANTITY	UNIT					
202	REMOVAL AND DISPOSAL OF CONCRETE WALKS	71	SQ. YD.					
SS & 604	TRAFFIC DRUMS	15	EACH					
SS & 632	CONCRETE ISLAND	47	SQ. YD.					
SS & 633	CONCRETE WALKS	31	SQ. YD.					
SS & 634	CONCRETE COMBINATION CURB AND GUTTER (TYPE A) (1' 6")	55	LIN. FT.					
641	WHEELCHAIR RAMPS (TYPE 3)	32	SQ. YD.					
641	WHEELCHAIR RAMPS (TYPE 6)	10	SQ. YD.					
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)	845	LIN. FT.					
SP	LOCAL RADIO (E-NET 5.8) WITH ANTENNA	1	EACH					
SP	ADVANCED WARNING FLASHING BEACON ASSEMBLY	1	EACH					
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	9	EACH					
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	2	EACH					
SP & 707	POLE MOUNTED ASSEMBLY	6	EACH					
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	6	EACH					
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	1232	LIN. FT.					
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	120	LIN. FT.					
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	590	LIN. FT.					
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	695	LIN. FT.					
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	120	LIN. FT.					
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (3C/12 A.W.G.)	850	LIN. FT.					
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	480	LIN. FT.					
710	NON-METALLIC CONDUIT (2")	970	LIN. FT.					
710	NON-METALLIC CONDUIT (3")	425	LIN. FT.					
SS & 711	CONCRETE PULL BOX (TYPE 2)	3	EACH					
SS & 711	CONCRETE PULL BOX (TYPE 1 HD)	5	EACH					
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	3	EACH					
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (30')	1	EACH					
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (35')	1	EACH					
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (44')	1	EACH					
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (56')	1	EACH					
SP	LED LUMINAIRE ASSEMBLY	3	EACH					
SP & 715	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION (15')	2	EACH					
SP	SERVICE POINT ASSEMBLY (2 CIRCUIT) W/ BATTERY BACKUP	1	EACH					
719	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	485	LIN. FT.					
719	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	270	LIN. FT.					
719	THERMOPLASTIC PAVEMENT MARKING WHITE (24")	113	LIN. FT.					
719	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	100	LIN. FT.					
SP	18" STREET NAME SIGN	4	EACH					
SP & 733	VIDEO DETECTOR (IP)	4	EACH					
SP & 733	VIDEO MONITOR (CLR)	1	EACH					
SP & 733	ATCS PROCESSING UNIT	1 1	EACH					
SP & 733	POWER OVER ETHERNET EXTENDER	2	EACH					
SP & 733	ETHERNET RADIO UBIQUITY NSM5	4	EACH					



ISLAND DETAIL



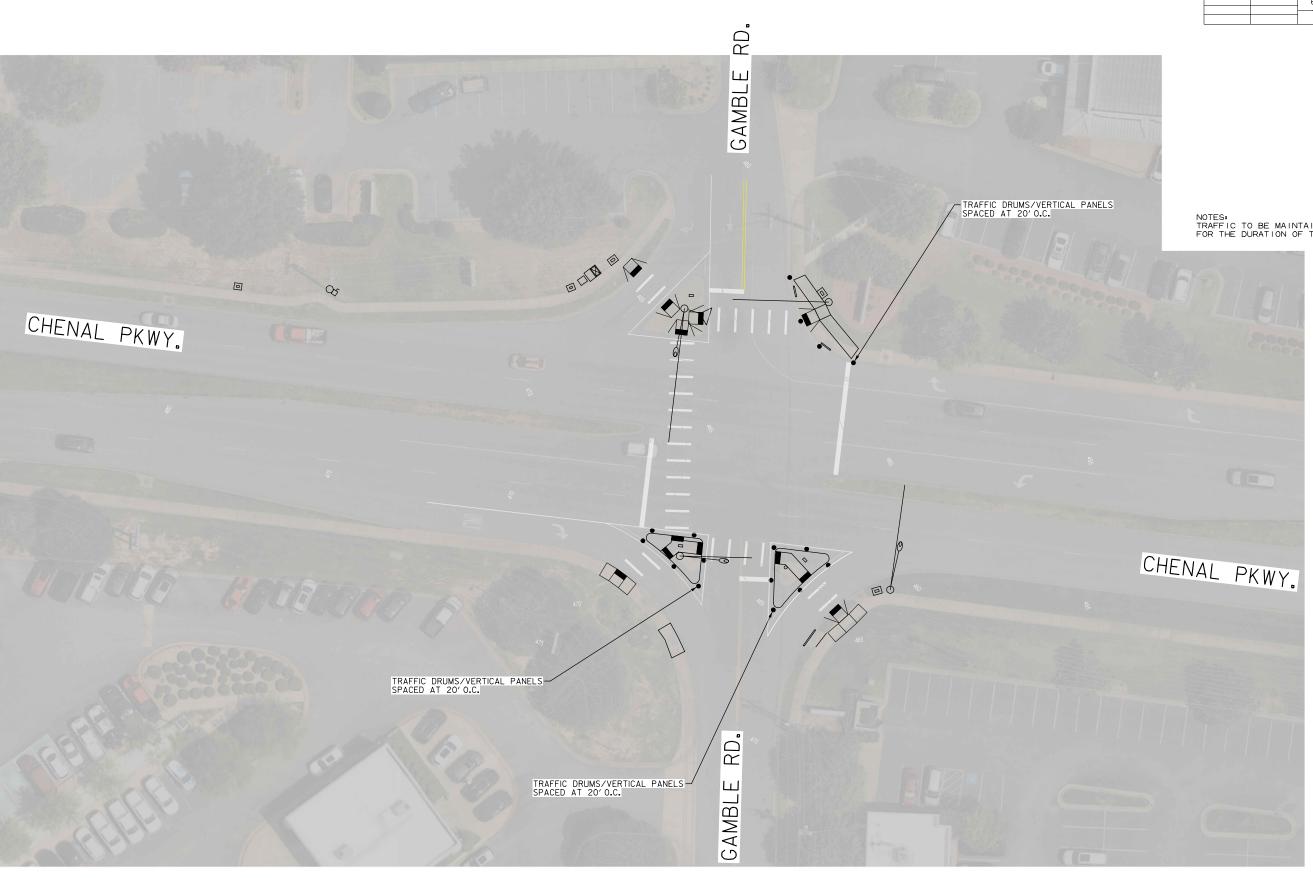
ISLAND REMOVAL DETAIL

LOCATION: CHENAL PARKWAY AND GAMBLE ROAD

CITY: LITTLE ROCK

COUNTY: PULASKI

DISTRICT: 06 SCALE: 1" = N/A DRAWN BY: HALFF







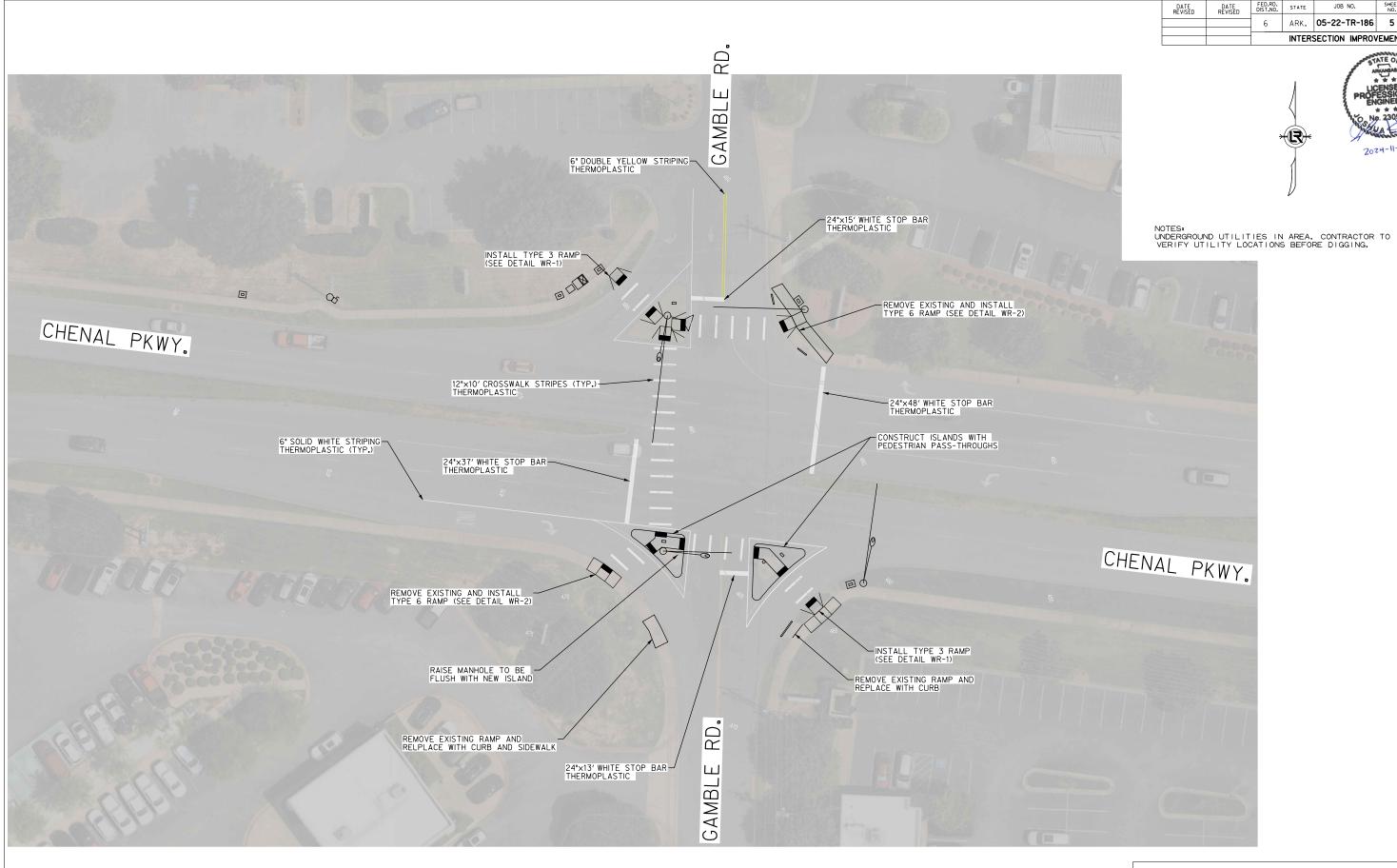
NOTES: TRAFFIC TO BE MAINTAINED FOR ALL THROUGH LANES FOR THE DURATION OF THE PROJECT.

SCALE IN FEET

LOCATION: CHENAL PARKWAY AND GAMBLE ROAD

CITY: LITTLE ROCK
COUNTY: PULASKI

DISTRICT: 06 SCALE: 1"=40' DRAWN BY: HALFF



SCALE IN FEET

LOCATION: CHENAL PARKWAY AND GAMBLE ROAD

CITY: LITTLE ROCK COUNTY: PULASKI

DISTRICT: 06 SCALE: 1 = 40' DRAWN BY: HALFF

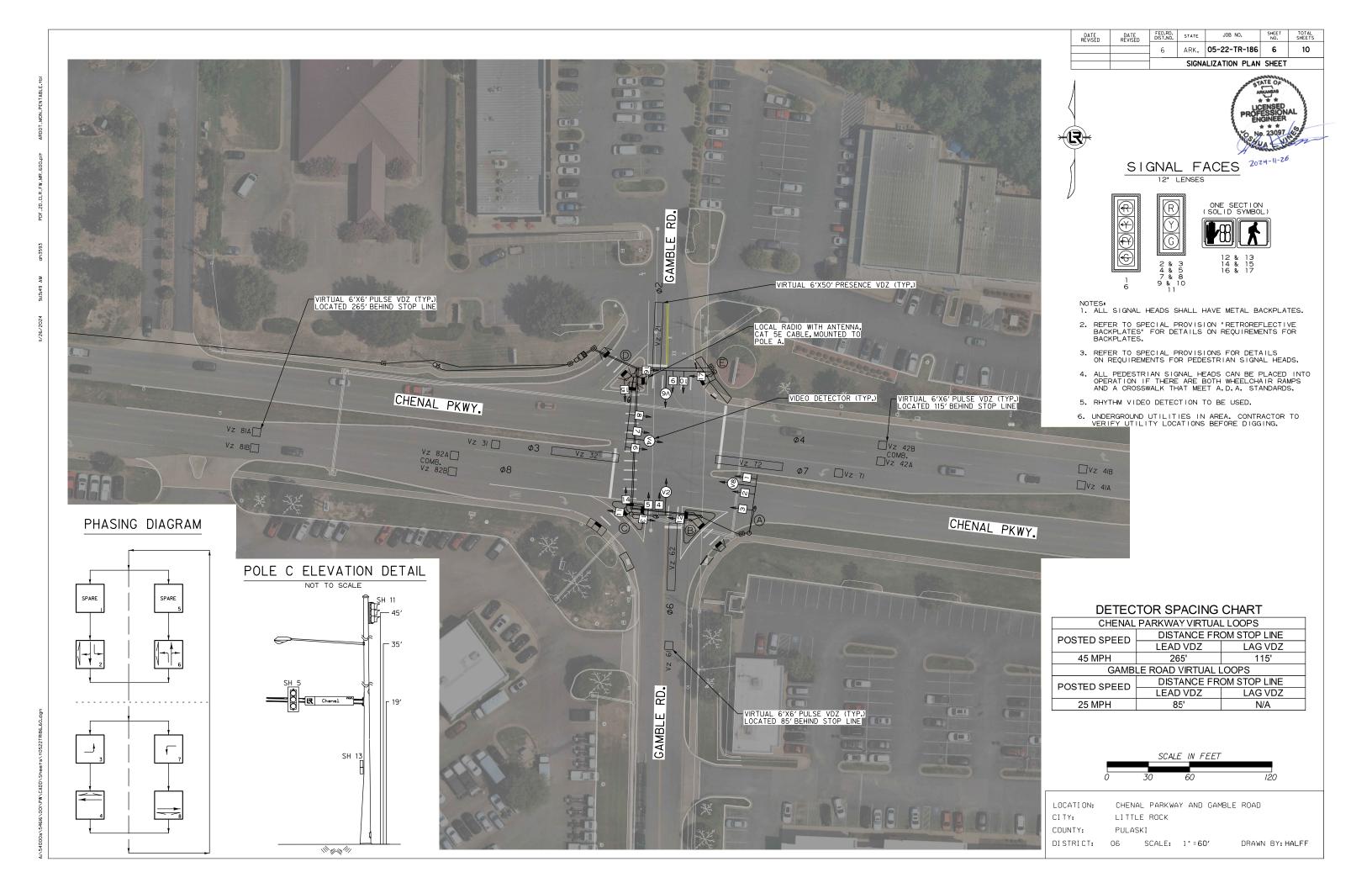
TOTAL SHEETS

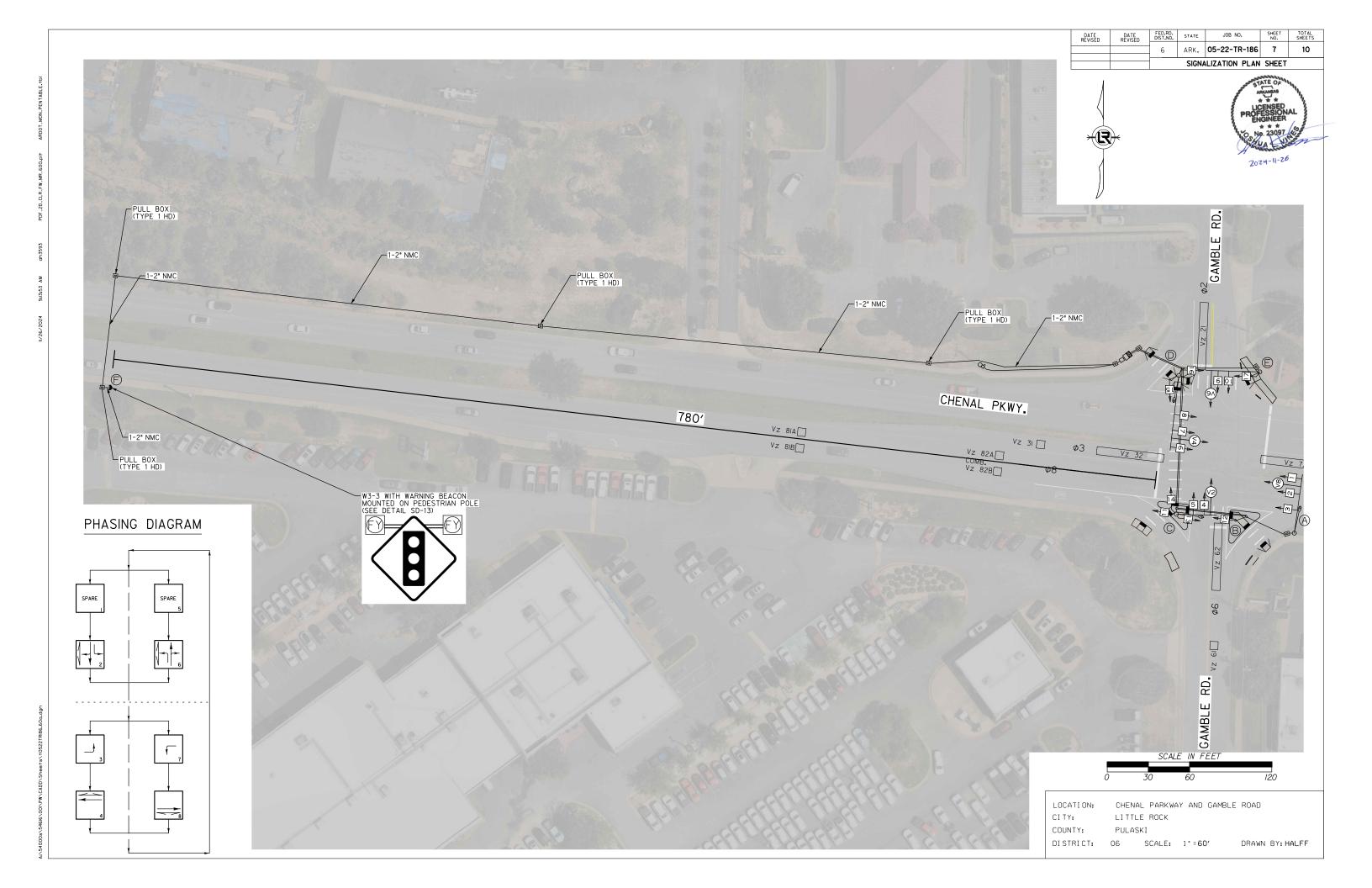
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STATE

JOB NO. ARK. 05-22-TR-186 5

INTERSECTION IMPROVEMENTS





\$GAMBLE

90

9

B

SAMBL

1-3" NMC (TYP.)

PULL BOX (TYP.) (TYPE 2 HD)

PULL BOX (TYP.)

Ø4

Ø7

- LUMINAIRE (TYP.)

2-3" NMC

CHENAL PKWY. AND GAMBLE RD. POLE LOCATIONS

	1 022 200/ (110110
POLE	X, Y COORDINATES
Α	1186805.44, 153577.33
В	1186761.83, 153586.65
С	1186717.73, 153591.40
D	1186719.62, 153694.54
Е	1186779.77, 153697.22
F	1185925.46, 153685.44

TOP OF POLE FOUNDATION ELEVATION SHALL BE THREE (3) INCHES ABOVE THE FINISHED SURFACE ELEVATION AT THE LOCATIONS SHOWN ABOVE.

TOP OF POLE FOUNDATION ELEVATION MAY BE INCREASED IN ACCORDANCE WITH STANDARD DRAWING SD-11.

CHENAL PKWY.

□Vz 42B □COMB.

□VZ 42A

□ VZ 71

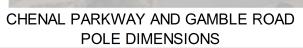




TOTAL SHEETS

10





CHENAL PKWY.

VZ 82A

COMB. Vz 82B

SERVICE POINT AND MAIN BREAKER-BY CONTRACTOR WITH 2" DIA, NMC.

PULL BOX -(TYPE 1 HD)

TRAFFIC SIGNAL CABINET

-2" NMC

Ø8

PULL BOX -(TYPE 1 HD)

ФЗ

SERVICE POINT PEDESTAL-

Vz 31

	1 022 811/12/10/10									
POLE	MAST	* MAST ARM	VERT.	LUM.	* LUM.					
POLE	ARM	ANGLE	SHAFT	ARM	ANGLE					
Α	44'	270°	35'	15'	270°					
В	N/A	N/A	15'	N/A	N/A					
С	30'	0°	50'	15'	0°					
D	56'	270°	35'	15'	270°					
Е	35'	180°	20'	N/A	N/A					
F	N/A	N/A	15'	N/A	N/A					

* MAST ARM AND LUMINAIRE ARM ANGLE MEASURED FROM HAND HOLE, CLOCKWISE ROTATION.



LOCATION: CHENAL PARKWAY AND GAMBLE ROAD

CITY: LITTLE ROCK COUNTY: PULASKI

DISTRICT: 06

SCALE: 1 = 40'

DRAWN BY: HALFF

PHASING DIAGRAM

SPARE

SPARE

P = PEDESTRIAN INPUT

NOTE:

"AMP CHN =" REFERS TO THE RACK OUTPUT POSITION.

THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.

EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2

FED.RD. DIST.NO. JOB NO. TOTAL SHEETS DATE REVISED DATE REVISED STATE ARK. 05-22-TR-186 9 10



FLASH

SEQUENCE

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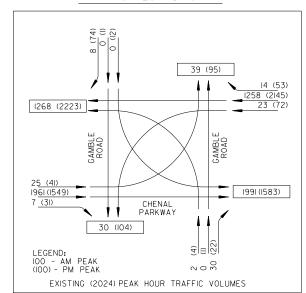
DW

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TRAFFIC FLOW DIAGRAM



INTERVAL CHART CHENAL PARKWAY AND GAMBLE ROAD

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DW

CLR. 4+8

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SIGNAL FACES

1 2, 3, & 11

4 & 5

7 & 8

9 & 10

12 & 13

14 & 15

16 & 17

3+7

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CLR.

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DW

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

3+8

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

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CLR. 4+7

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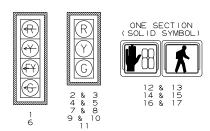
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SIGNAL FACES 12" LENSES



- 1. ALL SIGNAL HEADS SHALL HAVE METAL BACKPLATES.
- 2. REFER TO SPECIAL PROVISION "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
- 3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
- 4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEET A.D.A. STANDARDS.
- 5. RHYTHM VIDEO DETECTION TO BE USED.
- 6. UNDERGROUND UTILITIES IN AREA. CONTRACTOR TO VERIFY UTILITY LOCATIONS BEFORE DIGGING.

DETECTOR CHART

	DETECTOR SYSTEM DESCRIPTION: JOB 05-22-TR-186										
CHENAL PARKWAY AND GAMBLE ROAD			HARDWARE INPUTS		PROGRAM ASSIGNMENTS						
	DETECTOR ASSIGNMEN	NTS		BY	SUPPLIE		L	OCAL	MASTER SYSTEM	COMMENTS	TUBE
DET. ID#	LOCATION DIRECTION	TYPE	DET.#	CAB.	AMP	CON.	PHS	SYSTEM	DETECTOR	COMMENTO	LENGTHS
			DE1. "	TRM.#	CHN.#	IMP.#		DET.#	NUMBERS		
V z 21	SB NEAR	LOCAL			5	V2	2			CAMERA V2	37"
Vz31	EB LEFT TURN FAR	COMB.			9	V11	3	3		CAMERA V8	74"
Vz32	EB LEFT TURN	LOCAL			10	V3	3			CAMERA V8	74"
Vz41 A&B	WB ADVANCE	LOCAL			13	V4	4			CAMERA V4	74"
Vz42 A&B	WB NEAR	COMB.			14	V12	4	4		CAMERA V4	74"
Vz61	NB ADVANCE	LOCAL			3	V6	6			CAMERA V6	37"
Vz62	NB NEAR	COMB.			4	V14	6	6		CAMERA V6	37"
Vz71	WB LEFT TURN FAR	COMB.			15	V11	7	7		CAMERA V4	74"
Vz72	WB LEFT TURN	LOCAL			16	V3	7			CAMERA V4	74"
Vz81 A&B	EB ADVANCE	LOCAL			11	V16	8			CAMERA V8	37"
Vz82 A&B	EB FAR	COMB.			12	V8	8	8		CAMERA V8	37"
PB2 A&B	CHENAL W. LEG	PED.				P2	2				
PB4 A&B	GAMBLE N. LEG	PED.				P4	4				
PB8 A&B	GAMBLE S. LEG	PED.				P8	8				
SPARE: 1-2, 6-8											

CONTROLLER INPUT ABBREVIATIONS:

V = VEHICLE INPUT

D = SYSTEM OR AUXILIARY INPUT

SIGNALIZATION PLAN SHEET

LOCATION: CHENAL PARKWAY AND GAMBLE ROAD

LITTLE ROCK CITY: COUNTY: PULASKI

DISTRICT: 06 SCALE: N/A DRAWN BY: HALFF

