

TRAFFIC SIGNAL NOTES

1. 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 ELECTRICAL 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 RAIN-TIGHT 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.
6. CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS.
7. ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH AASHTO, THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS AND DETAILS AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITIONS.
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.
9. TRAFFIC SIGNAL POLES SHALL BE GALVANIZED. BACKPLATES SHALL BE SUPPLIED FOR ALL SIGNAL HEADS.
10. 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.
11. ALL PULL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE 3" DIAMETER UNLESS SPECIFIED ON THE PLANS.
12. CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
13. 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.
14. 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' 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.
15. 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.
16. 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.
17. 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 THE POLE COVER IS MISSING. PAYMENT FOR TERMINAL STRIPS SHALL BE INCLUDED IN ITEM 714-TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION.
18. CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO IMSA STANDARDS.
19. 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.
20. 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.
21. 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.
22. CONTRACTOR SHALL PROVIDE CONTROLLER AND LOCAL RADIO TO THE DEPARTMENT'S TRAFFIC ENGINEERING STAFF AT THE MAINTENANCE DIVISION, FOR SETUP AND TIMING BEFORE IT IS PLACED INTO OPERATION.
23. TRAFFIC SIGNAL MAINTENANCE AND POWER SHALL BE SUPPLIED BY THE LOCAL JURISDICTION

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10/12/12				6	ARK.			
				JOB NO.		040376	110	207
				SUMMARY OF TRAFFIC SIGNAL QUANTITIES & NOTES				

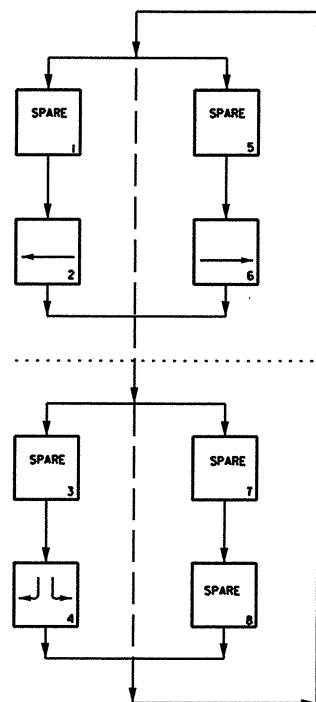
SUMMARY OF TRAFFIC SIGNAL QUANTITIES

ITEM NO.	ITEM	U.S. 71 & TEMP. RAMP 4	U.S. 71 & TEMP. RAMP 5	TOTAL	UNIT
SP & 701	SYSTEM LOCAL CONTROLLER - FIBER (8 PHASES)	1	1	2	EACH
SP & 701	ON-STREET MASTER CONTROLLER	0	1	1	EACH
704	FEEDER WIRE	2010	2759	4769	LIN. FT.
SP	LOOP WIRING CLASS III (2c)	1509	2052	3561	LIN. FT.
704	VEHICLE DETECTOR - RACK MOUNT	5	8	13	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	6	9	15	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	1	0	1	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	408	468	876	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	95	0	95	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	405	466	871	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	35	35	70	LIN. FT.
710	NON-METALLIC CONDUIT (1")	355	331	686	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	198	343	541	LIN. FT.
710	NON-METALLIC CONDUIT (2")	1400	1210	2610	LIN. FT.
710	NON-METALLIC CONDUIT (3")	409	450	859	LIN. FT.
SS & 711	CONCRETE PULL BOX (TYPE 1)	1	1	2	EACH
SS & 711	CONCRETE PULL BOX (TYPE 1 HD)	4	4	8	EACH
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	10	12	22	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (52')	1	1	2	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (60')	1	0	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (36'-54')	0	1	1	EACH
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., EGC)	492	531	1023	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., EGC)	145	145	290	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	37	37	74	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	641	604	1245	LIN. FT.
SP	COMMUNICATION CABLE, FIBER (6 CHANNEL)	1103	1117	2220	LIN. FT.
SP	LUMINAIRE ASSEMBLY	2	2	4	EACH
SP	SERVICE POINT ASSEMBLY (1 CIRCUIT)	1	1	2	EACH
SP	SYSTEM SOFTWARE	0	1	1	EACH

FOR INFORMATION ONLY

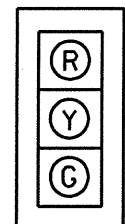


PHASING DIAGRAM



LED SIGNAL FACES

12" LENSES



*1,2,3,
4,5,6,7,8&9

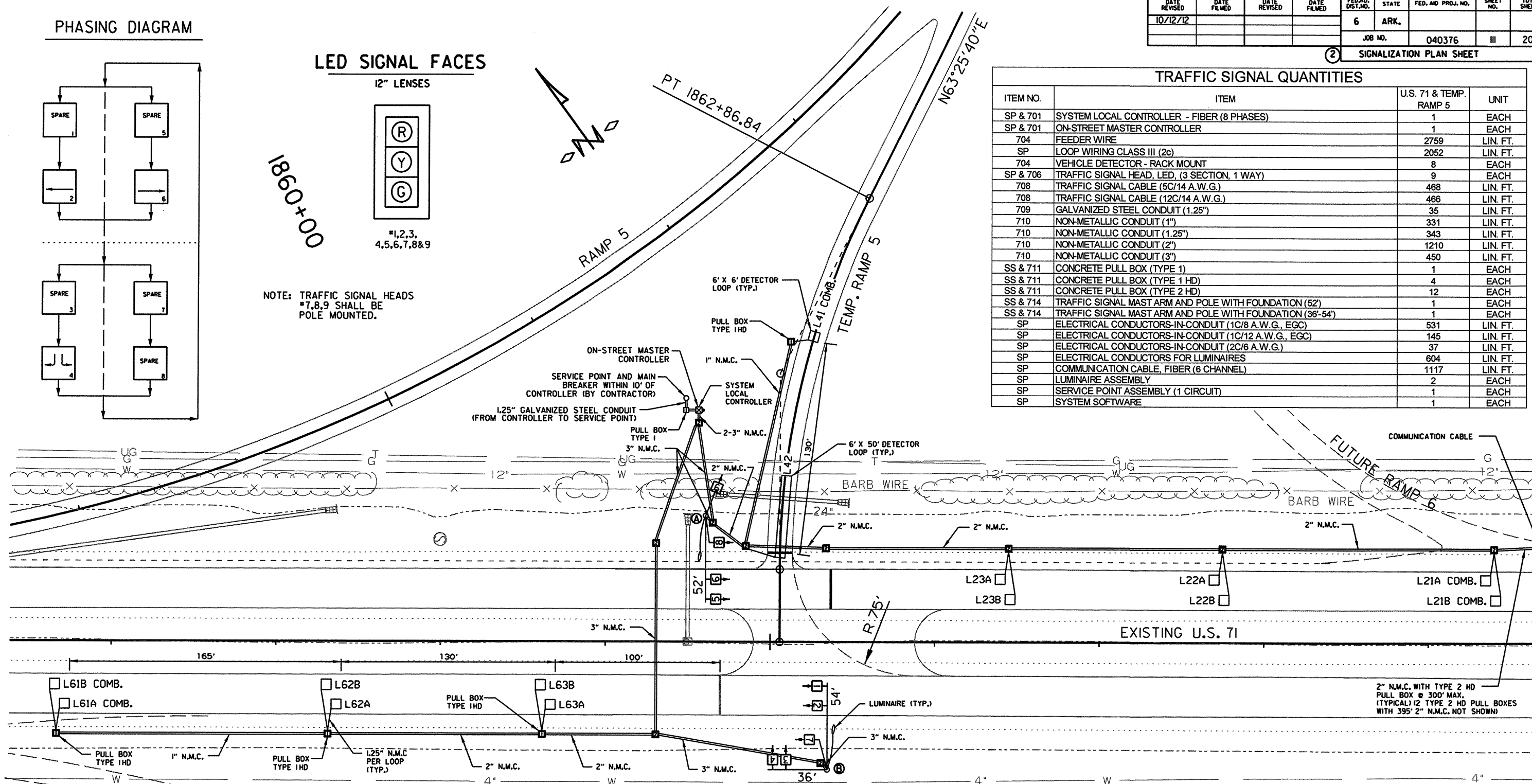
NOTE: TRAFFIC SIGNAL HEADS
*7,8,9 SHALL BE
POLE MOUNTED.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10/12/12				6	ARK.			
				JOB NO.		040376	III	207

SIGNALIZATION PLAN SHEET

TRAFFIC SIGNAL QUANTITIES

ITEM NO.	ITEM	U.S. 71 & TEMP. RAMP 5	UNIT
SP & 701	SYSTEM LOCAL CONTROLLER - FIBER (8 PHASES)	1	EACH
SP & 701	ON-STREET MASTER CONTROLLER	1	EACH
704	FEEDER WIRE	2759	LIN. FT.
SP	LOOP WIRING CLASS III (2c)	2052	LIN. FT.
704	VEHICLE DETECTOR - RACK MOUNT	8	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	9	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	468	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	466	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	35	LIN. FT.
710	NON-METALLIC CONDUIT (1")	331	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	343	LIN. FT.
710	NON-METALLIC CONDUIT (2")	1210	LIN. FT.
710	NON-METALLIC CONDUIT (3")	450	LIN. FT.
SS & 711	CONCRETE PULL BOX (TYPE 1)	1	EACH
SS & 711	CONCRETE PULL BOX (TYPE 1 HD)	4	EACH
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	12	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (52')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (36'-54')	1	EACH
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., EGC)	531	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., EGC)	145	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	37	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	604	LIN. FT.
SP	COMMUNICATION CABLE, FIBER (6 CHANNEL)	1117	LIN. FT.
SP	LUMINAIRE ASSEMBLY	2	EACH
SP	SERVICE POINT ASSEMBLY (1 CIRCUIT)	1	EACH
SP	SYSTEM SOFTWARE	1	EACH



POLE CHART

POLE	MAST ARM(S) LENGTH	MAST ARM'S ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	VERTICAL SHAFT LENGTH	LUM. ARM LENGTH	LUM. ARM'S ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	EXISTING U.S. 71 STATION	NORTHING EASTING
A	52'	270 DEGREES	35'-0"	25'	270 DEGREES	STA. 50+39.16 76.00 RT	N 344889.4980 E 608551.2978
B	36'	180 DEGREES	35'-0"	25'	270 DEGREES	STA. 49+65.18 77.28 LT	N 344722.30000 E 608519.47100

LEGEND

- TYPE 1 PULL BOX
- TYPE 1 HD PULL BOX
- TYPE 2 HD PULL BOX
- CONTROL CABINET
- SIGNAL HEAD
- N.M.C.-NON-METALLIC CONDUIT
- LUMINAIRE

FOR INFORMATION ONLY



SCALE IN FEET
0 30 60 120

DATE: 04/20/12

FILE NAME: TSD03.DGN

SIGNALIZATION PLAN SHEET - U.S. 71 & TEMP. RAMP 5

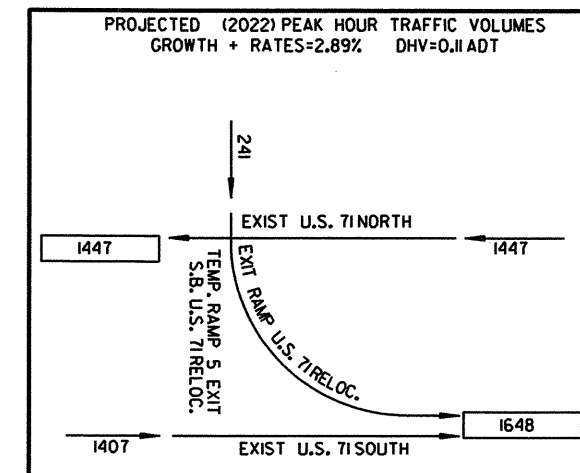
DESIGN PARAMETERS

POSTED SPEED LIMIT:
 55 MPH ON EXISTING U.S. 71
 40 MPH ON TEMP. RAMP 5
 NO BUS STOPS
 NO RAILROAD TRACKS
 NO EXISTING INTERCONNECTIONS
 NO FIRE STATION
 NO PARKING
 NO SIGHT DISTANCE RESTRICTIONS
 NO PEDESTRIANS
 SEE SEPARATE DETAIL SHEET FOR
 PAVEMENT MARKINGS
 MINIMUM CLEAR ZONE DISTANCE:
 30 FT MIN CLEAR ZONE FOR SHOULDER SECTIONS

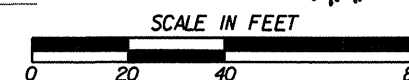
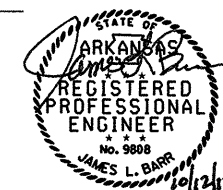
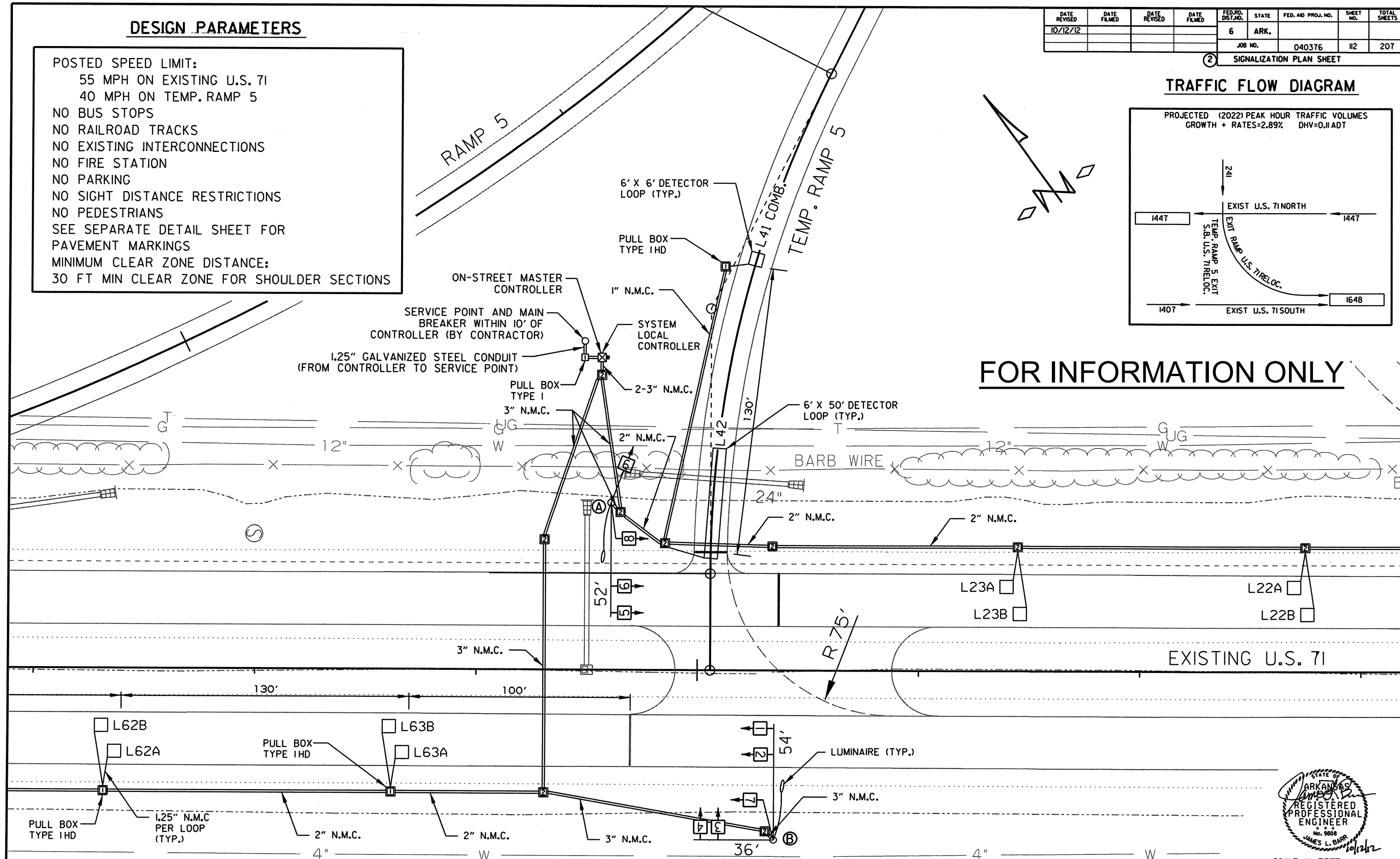
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10/12/12				6	ARK.			
				JOB NO.	040376			207

② SIGNALIZATION PLAN SHEET

TRAFFIC FLOW DIAGRAM



FOR INFORMATION ONLY



DATE: 04/20/12

FILE NAME: TSD02.DGN

SIGNALIZATION PLAN SHEET - U.S. 71 & TEMP. RAMP 5

DETECTOR CHART

DETECTOR I.D. NUMBER	DIRECTION & LOCATION	TYPE	DET. NUM.	HARDWARE INPUTS			PROGRAM ASSIGNMENTS			COMMENT
				CAB. TER. NUM.	AMP. CHN. NUM.	CON. INP. NUM.	LOCAL PHS.	SYS. DET.	MSTR. SYS. DET.	
L21 A&B	WB ADV	COMB.			1	V10	2	2		
L22 A&B	WB NEAR	LOCAL			2	V2	2			
L23 A&B	WB PRES	LOCAL			3	V5	2			
L41	SB ADV	COMB.			9	V12	4	4		
L42	SB PRES	LOCAL			10	V4	4			
L61 A&B	EB ADV	COMB.			5	V14	6	6		
L62 A&B	EB NEAR	LOCAL			6	V6	6			
L63 A&B	EB PRES	LOCAL			7	V1	6			

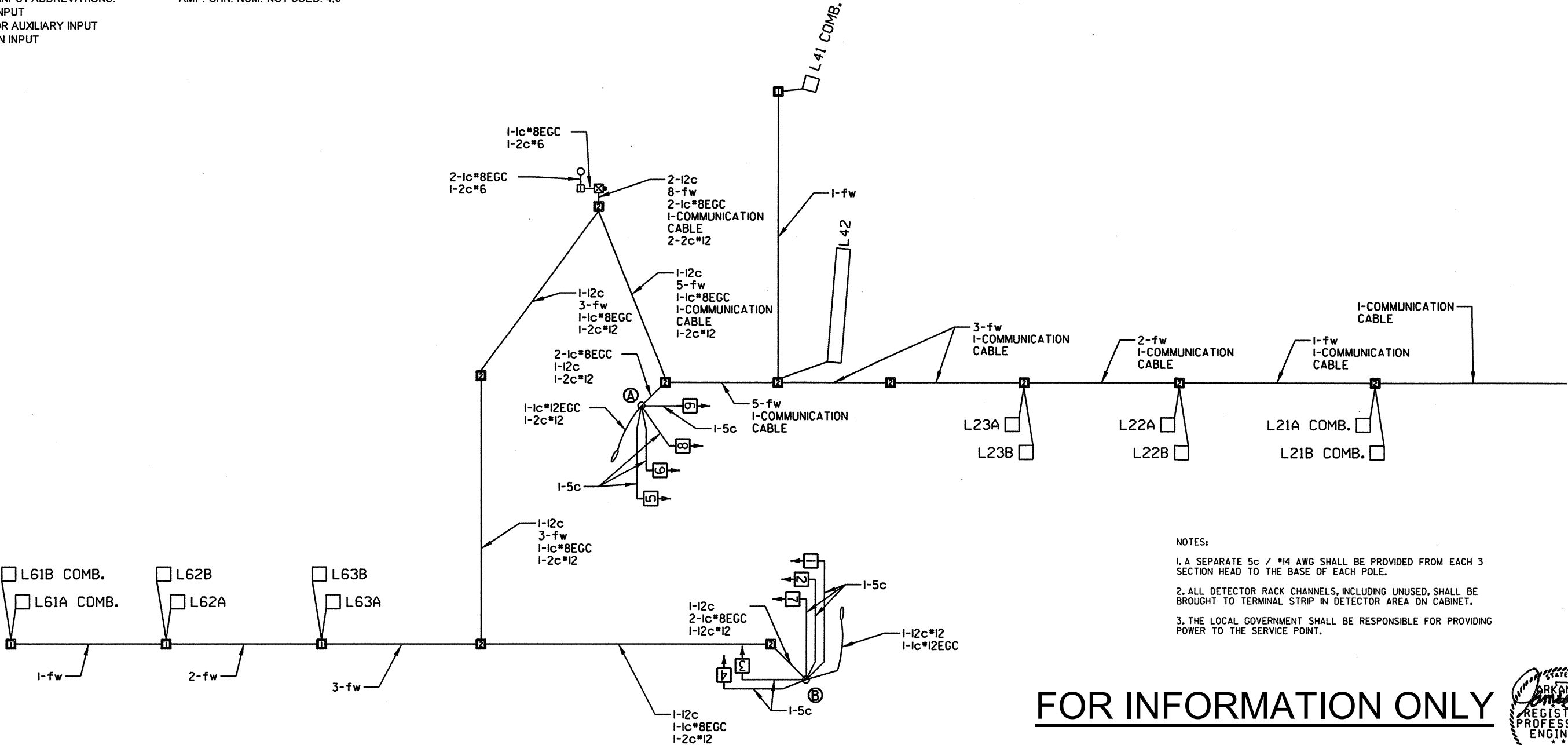
CONTROLLER INPUT ABBREVIATIONS:
V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDSTRIAN INPUT

AMP. CHN. NUM. NOT USED: 4,8

INTERVAL CHART

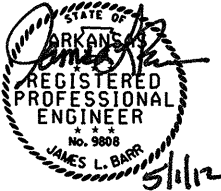
SIGNAL FACES	INTERVALS				FLASH SEQ.
	2+6	CLR.	4	CLR.	
1&2	G	Y	R	R	Y
3&4	R	R	G	Y	R
5&6	G	Y	R	R	Y
7	G	Y	R	R	Y
8	G	Y	R	R	Y
9	R	R	G	Y	R

WIRING DIAGRAM

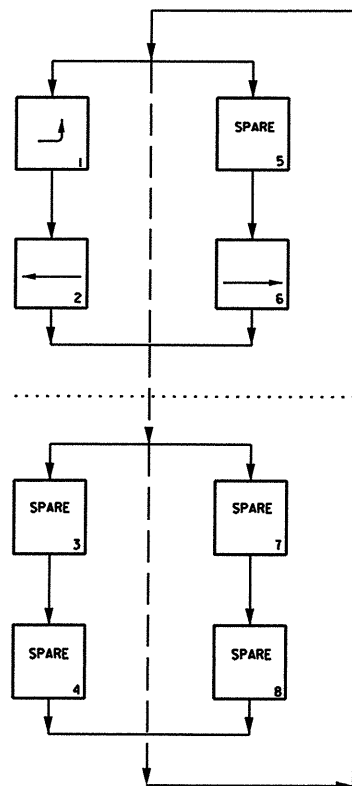


- NOTES:
1. A SEPARATE 5c / #14 AWG SHALL BE PROVIDED FROM EACH 3 SECTION HEAD TO THE BASE OF EACH POLE.
 2. ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA ON CABINET.
 3. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.

FOR INFORMATION ONLY



PHASING DIAGRAM

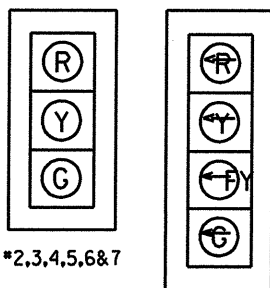


LEGEND

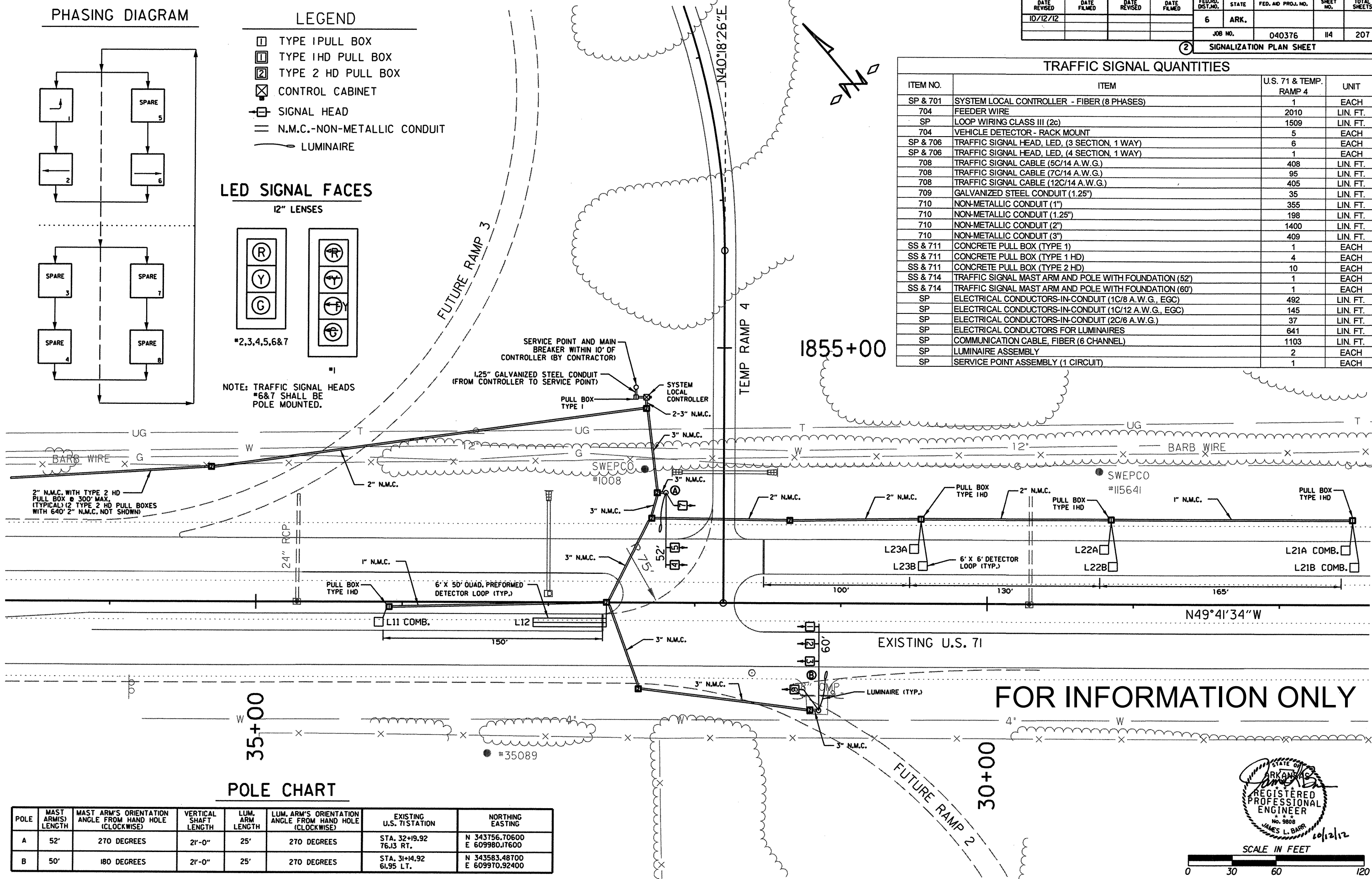
- TYPE 1 PULL BOX
- TYPE 1 HD PULL BOX
- TYPE 2 HD PULL BOX
- CONTROL CABINET
- ⊞ SIGNAL HEAD
- N.M.C.-NON-METALLIC CONDUIT
- LUMINAIRE

LED SIGNAL FACES

12" LENSES



NOTE: TRAFFIC SIGNAL HEADS
*6&7 SHALL BE
POLE MOUNTED.



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10/12/12				6	ARK.			
				JOB NO.	040376		114	207

② SIGNALIZATION PLAN SHEET

TRAFFIC SIGNAL QUANTITIES

ITEM NO.	ITEM	U.S. 71 & TEMP. RAMP 4	UNIT
SP & 701	SYSTEM LOCAL CONTROLLER - FIBER (8 PHASES)	1	EACH
704	FEEDER WIRE	2010	LIN. FT.
SP	LOOP WIRING CLASS III (2c)	1509	LIN. FT.
704	VEHICLE DETECTOR - RACK MOUNT	5	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	6	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	1	EACH
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708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	95	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	405	LIN. FT.
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710	NON-METALLIC CONDUIT (1")	355	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	198	LIN. FT.
710	NON-METALLIC CONDUIT (2")	1400	LIN. FT.
710	NON-METALLIC CONDUIT (3")	409	LIN. FT.
SS & 711	CONCRETE PULL BOX (TYPE 1)	1	EACH
SS & 711	CONCRETE PULL BOX (TYPE 1 HD)	4	EACH
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	10	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (52')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (60')	1	EACH
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., EGC)	492	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., EGC)	145	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	37	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	641	LIN. FT.
SP	COMMUNICATION CABLE, FIBER (6 CHANNEL)	1103	LIN. FT.
SP	LUMINAIRE ASSEMBLY	2	EACH
SP	SERVICE POINT ASSEMBLY (1 CIRCUIT)	1	EACH

POLE CHART

POLE	MAST ARM(S) LENGTH	MAST ARM'S ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	VERTICAL SHAFT LENGTH	LUM. ARM LENGTH	LUM. ARM'S ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	EXISTING U.S. 71 STATION	NORTHING EASTING
A	52'	270 DEGREES	21'-0"	25'	270 DEGREES	STA. 32+19.92 76.13 RT.	N 343756.70600 E 609980.17600
B	50'	180 DEGREES	21'-0"	25'	270 DEGREES	STA. 31+14.92 61.95 LT.	N 343583.48700 E 609970.92400

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SCALE IN FEET



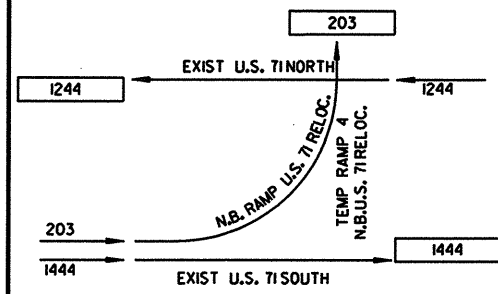
DATE: 04/20/12

FILE NAME: TSD05.DGN

SIGNALIZATION PLAN SHEET - U.S. 71 & TEMP. RAMP 4

TRAFFIC FLOW DIAGRAM

PROJECTED (2022) PEAK HOUR TRAFFIC VOLUMES
GROWTH + RATES=2.89% DHV=0.11ADT



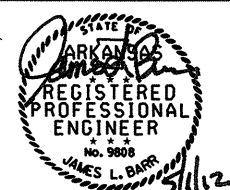
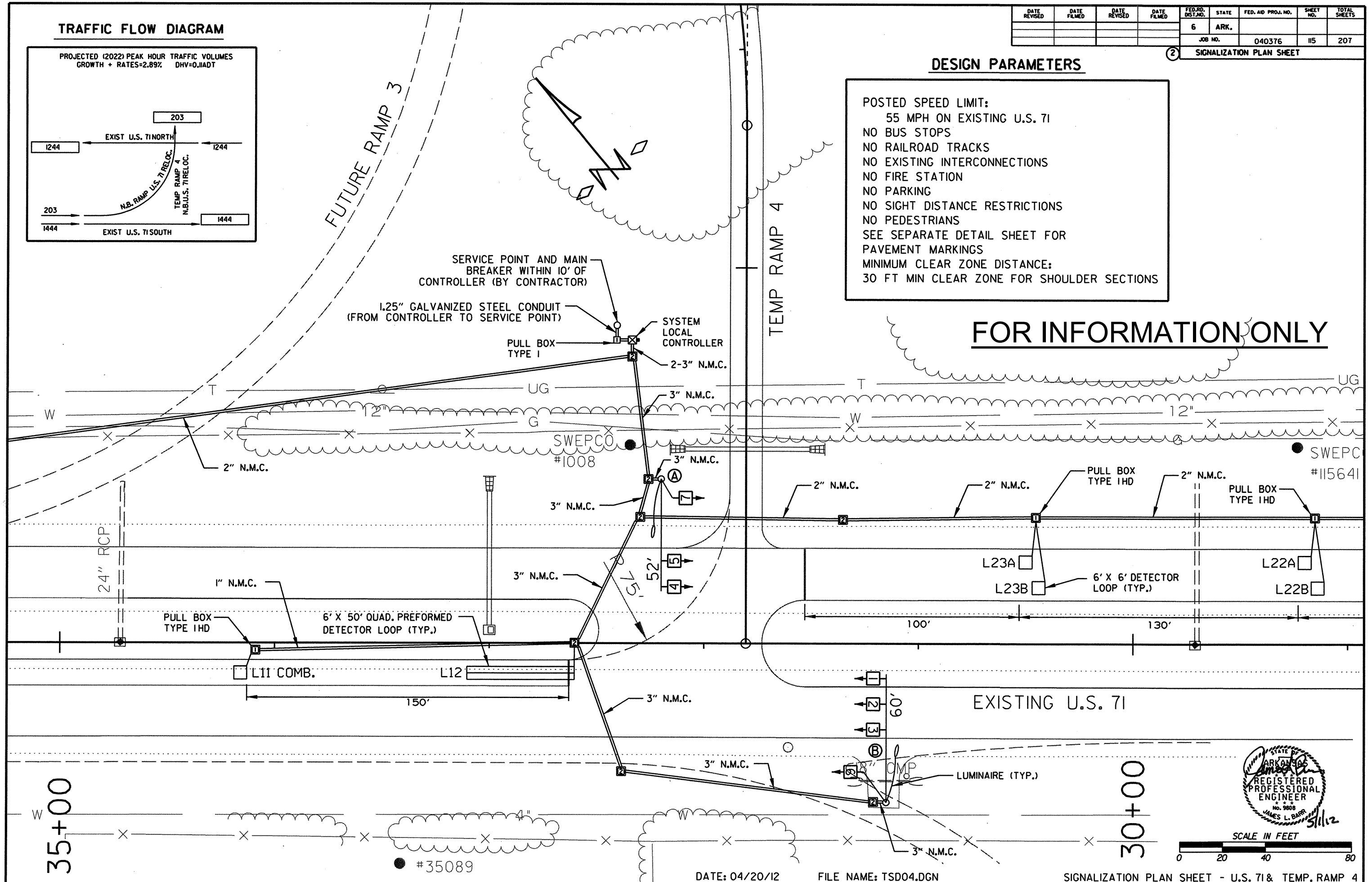
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				6	ARK.			
				JOB NO.		040376	115	207

2 SIGNALIZATION PLAN SHEET

DESIGN PARAMETERS

POSTED SPEED LIMIT:
55 MPH ON EXISTING U.S. 71
NO BUS STOPS
NO RAILROAD TRACKS
NO EXISTING INTERCONNECTIONS
NO FIRE STATION
NO PARKING
NO SIGHT DISTANCE RESTRICTIONS
NO PEDESTRIANS
SEE SEPARATE DETAIL SHEET FOR
PAVEMENT MARKINGS
MINIMUM CLEAR ZONE DISTANCE:
30 FT MIN CLEAR ZONE FOR SHOULDER SECTIONS

FOR INFORMATION ONLY



SCALE IN FEET



DATE: 04/20/12

FILE NAME: TSD04.DGN

SIGNALIZATION PLAN SHEET - U.S. 71 & TEMP. RAMP 4

