

MOVEMENT, SEQUENCE, AND TIMING DIAGRAM

PHASE	2+5	2+6	8	RAMP PRE-EMP	PRE-EMP A	PRE-EMP B	PRE-EMP C	EMERGENCY FLASHING
INTERVAL	20	20	20	20	20	20	20	20
1	-G -Y -R	-G -Y -R	-R -R -R	-R -R -R	-R -R -R	-G -Y -R	-R -R -R	-Y
5,6	R R R	G Y R	R R R	R R R	G Y R	R R R	R R R	Y
7,8,9	R R R	R R R	G Y R	G Y R	R R R	R R R	G Y R	R
SELECTIVE CLEARANCES								
FAIL-SAFE LAMP A				OFF	OFF	OFF	OFF	OFF
FAIL-SAFE LAMP B				OFF	OFF	OFF	OFF	OFF
FAIL-SAFE LAMP C				OFF	OFF	OFF	OFF	OFF

FIXED	4	2	4	2	4	2	30	4	2	▲	4	2	▲	4	2	▲	4	2
MINIMUM	3	2	12		3													
SEC / ACT			2.5															
MAXIMUM INITIAL			44															
PASSAGE	3		6		3													
TBR			44															
TTR			22															
MINIMUM GAP			4															
MAXIMUM 1	20		66		25													

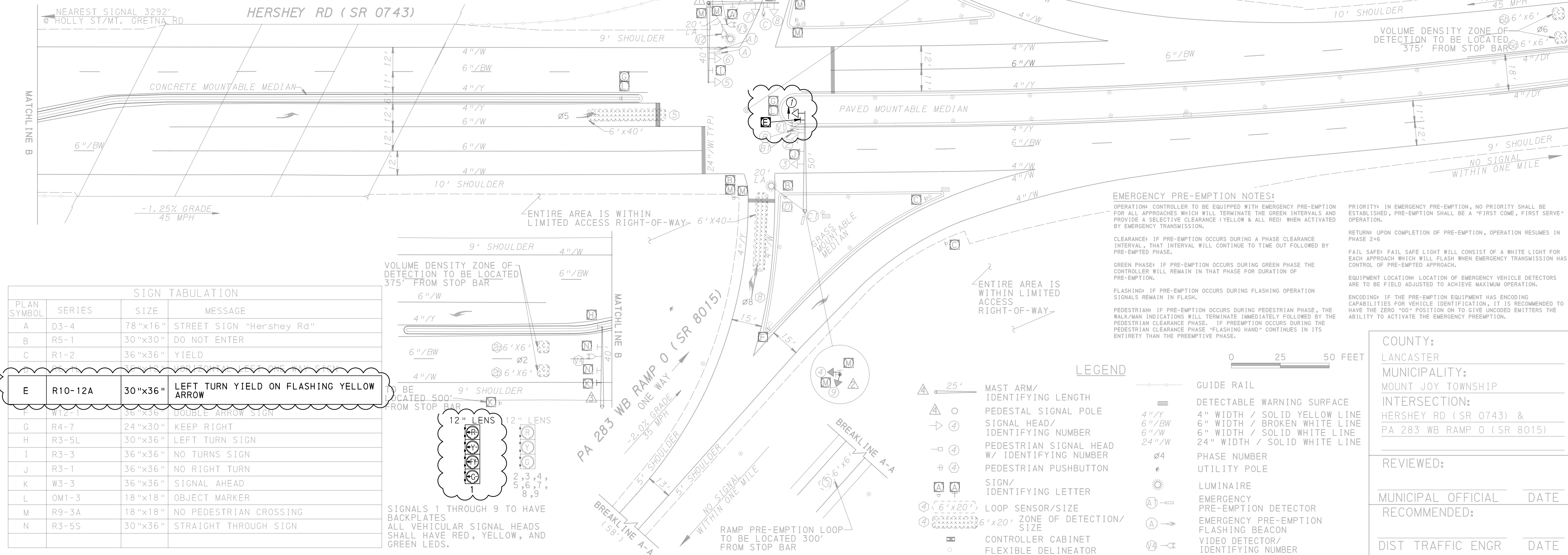
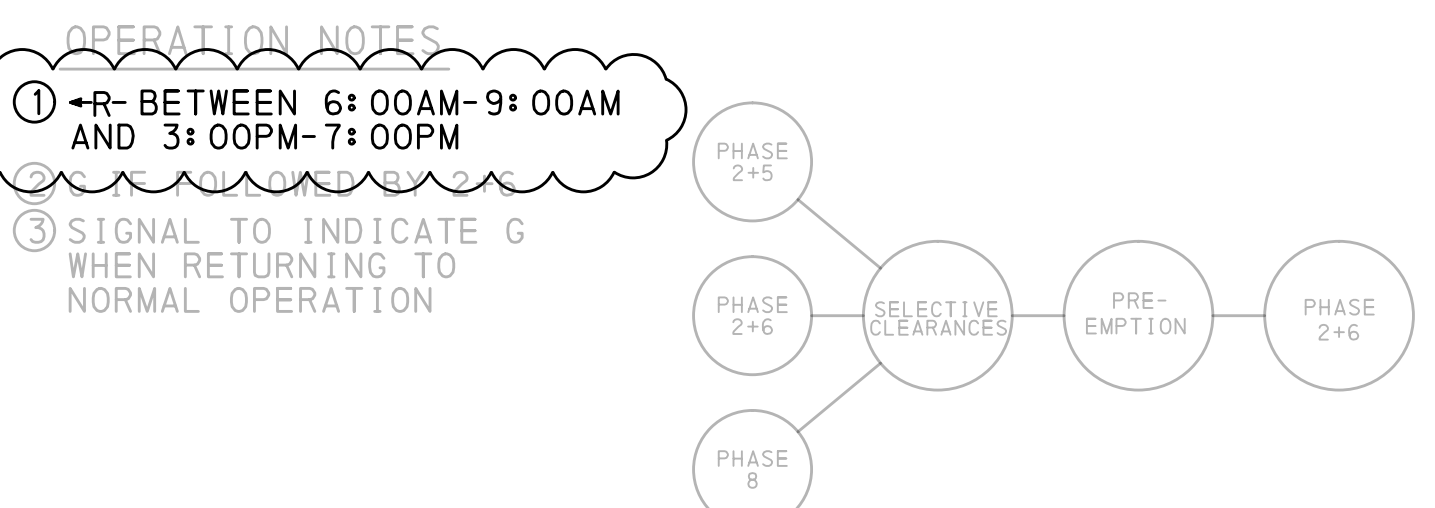
REFER TO SYSTEM PERMIT I-0002 FOR INCIDENT TIMINGS.

MEMORY NL MIN NL

▲ FOR DURATION OF PRE-EMPTION

DETECTOR NOTES

DETECTORS 2a AND 2b CALL AND EXTEND PHASE 2 PRESENCE
 DETECTOR 5 CALLS AND EXTENDS PHASES 2 AND 5 PRESENCE
 DETECTORS 6a AND 6b CALL AND EXTEND PHASE 6 PRESENCE
 DETECTOR 8 CALLS AND EXTENDS PHASE 8 PRESENCE



SIGN TABULATION

PLAN SYMBOL	SERIES	SIZE	MESSAGE
A	D3-4	78"x16"	STREET SIGN "Hershey Rd"
B	R5-1	30"x30"	DO NOT ENTER
C	R1-2	36"x36"	YIELD
D	R5-1	30"x30"	DO NOT ENTER
E	R10-12A	30"x36"	LEFT TURN YIELD ON FLASHING YELLOW ARROW
F	W12-1	36"x36"	DOUBLE ARROW SIGN
G	R4-7	24"x30"	KEEP RIGHT
H	R3-5L	30"x36"	LEFT TURN SIGN
I	R3-3	36"x36"	NO TURNS SIGN
J	R3-1	36"x36"	NO RIGHT TURN
K	W3-3	36"x36"	SIGNAL AHEAD
L	OM1-3	18"x18"	OBJECT MARKER
M	R9-3A	18"x18"	NO PEDESTRIAN CROSSING
N	R3-5S	30"x36"	STRAIGHT THROUGH SIGN

GENERAL NOTES

INSTALLATION, OPERATION, AND MAINTENANCE OF THIS TRAFFIC SIGNAL TO BE IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION REGULATIONS ON OFFICIAL TRAFFIC CONTROL DEVICES.

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ALL MAINTENANCE NECESSARY FOR PROPER VISIBILITY OF THE SIGNALS, INCLUDING TRIMMING TREES, IS THE RESPONSIBILITY OF THE PERMITTEE.

ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING ARE CONSIDERED PART OF THE PERMIT AND ARE TO BE INSTALLED AND MAINTAINED BY THE PERMITTEE, UNLESS OTHERWISE INDICATED. EXCEPT LONGITUDINAL PAVEMENT MARKINGS ON STATE HIGHWAYS WHICH WILL BE MAINTAINED BY THE DEPARTMENT.

INSTALL POST MOUNTED SIGNALS WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS WILL HAVE A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

THE BOTTOM OF SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY ARE NOT TO BE LESS THAN 15 FEET NOR MORE THAN 19 FEET ABOVE THE ROADWAY. THE BOTTOM OF POST MOUNTED SIGNAL HEADS ARE NOT TO BE LESS THAN 8 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

THREADED PLATE MAST ARM CONNECTIONS WILL NOT BE PERMITTED FOR THIS TRAFFIC SIGNAL PERMIT.

ENTIRE AREA IS WITHIN LIMITED ACCESS RIGHT-OF-WAY

NO SIGNAL WITHIN ONE MILE

Example Traffic Signal Permit showing the replacement of a five section protected/permitted signal head with a four section flashing yellow arrow (FYA) signal head. This example also shows time of day FYA operations.

PERMIT NUMBER: 87-285 SHEET 2 OF 2

DATE ISSUED: 8-30-2010 DATE REVISED:

THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS SHALL BE 10 FEET.

PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT FROM THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PRIOR TO INSTALLATION OF ANY TRAFFIC SIGNAL PERMIT. PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT FROM THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PRIOR TO INSTALLATION OF ANY TRAFFIC SIGNAL PERMIT. PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT FROM THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PRIOR TO INSTALLATION OF ANY TRAFFIC SIGNAL PERMIT.

PERMITTEE IS RESPONSIBLE FOR OBTAINING APPROVAL FOR INSTALLATION OF TRAFFIC SIGNAL DEVICES LOCATED OUTSIDE HIGHWAY RIGHT-OF-WAY.

TRAFFIC SIGNALS INSTALLED USING LIQUID FUELS TAX FUNDS MUST CONFORM TO DEPARTMENT SPECIFICATIONS AS SET FORTH IN CURRENT PUBLICATION 408, SUPPLEMENTS AND STANDARD DRAWINGS.

RAMP PREEMPTION NOTES:

WHEN PREEMPTION IS ACTIVATED, ALL YELLOW AND RED INDICATIONS, SHALL TIME OUT, FOLLOWED BY THE GREEN INTERVAL OF THE PRE-EMPTION PHASE.

IF THE SIGNALS ARE FLASHING WHEN ACTIVATED FOR PRE-EMPTION, ALL SIGNALS SHALL REMAIN FLASHING.

UPON COMPLETION OF THE PRE-EMPTION PHASE, IN RETURNING TO NORMAL OPERATION, PHASE 2+6 SHALL FOLLOW.

A CONSTANT CALL ON THE RAMP PRE-EMPTION DETECTOR 3 FOR 10 SECONDS SHALL START THE PRE-EMPT CALL.

A CONSTANT CALL ON THE RAMP PRE-EMPTION DETECTOR 3 FOR 180 SECONDS SHALL INHIBIT THE PRE-EMPT CALL.

TO BE LOCATED 500' FROM STOP BAR

PAVEMENT MARKINGS WILL BE PLACED IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION PAVEMENT MARKING HANDBOOK.

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TO BE LOCATED 500' FROM STOP BAR

EMERGENCY PRE-EMPTION NOTES:

OPERATION CONTROLLER TO BE EQUIPPED WITH EMERGENCY PRE-EMPTION FOR ALL APPROACHES WHICH WILL TERMINATE THE GREEN INTERVALS AND PROVIDE A SELECTIVE CLEARANCE (YELLOW & ALL RED) WHEN ACTIVATED BY EMERGENCY TRANSMISSION.

CLEARANCES IF PRE-EMPTION OCCURS DURING A PHASE CLEARANCE INTERVAL, THAT INTERVAL WILL CONTINUE TO TIME OUT FOLLOWED BY PRE-EMPTED PHASE.

GREEN PHASE: IF PRE-EMPTION OCCURS DURING GREEN PHASE THE CONTROLLER WILL REMAIN IN THAT PHASE FOR DURATION OF PRE-EMPTION.

FLASHING: IF PRE-EMPTION OCCURS DURING FLASHING OPERATION SIGNALS REMAIN IN FLASH.

PEDESTRIAN: IF PRE-EMPTION OCCURS DURING PEDESTRIAN PHASE, THE WALK/MAN INDICATIONS WILL TERMINATE IMMEDIATELY FOLLOWED BY THE PEDESTRIAN CLEARANCE PHASE. IF PREEMPTION OCCURS DURING THE PEDESTRIAN CLEARANCE PHASE "FLASHING HAND" CONTINUES IN ITS ENTIRETY THAN THE PREEMPTIVE PHASE.

PRIORITY: IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED, PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVE" OPERATION.

RETURN: UPON COMPLETION OF PRE-EMPTION, OPERATION RESUMES IN PHASE 2+6

FAIL SAFE: FAIL SAFE LIGHT WILL CONSIST OF A WHITE LIGHT FOR EACH APPROACH WHICH WILL FLASH WHEN EMERGENCY TRANSMISSION HAS CONTROL OF PRE-EMPTED APPROACH.

EQUIPMENT LOCATION: LOCATION OF EMERGENCY VEHICLE DETECTORS ARE TO BE FIELD ADJUSTED TO ACHIEVE MAXIMUM OPERATION.

ENCODING: IF THE PRE-EMPTION EQUIPMENT HAS ENCODING CAPABILITIES FOR VEHICLE IDENTIFICATION, IT IS RECOMMENDED TO HAVE THE ZERO "00" POSITION ON TO GIVE UNCODED EMITTERS THE ABILITY TO ACTIVATE THE EMERGENCY PREEMPTION.

COUNTY: LANCASTER

MUNICIPALITY: MOUNT JOY TOWNSHIP

INTERSECTION: HERSHEY RD (SR 0743) & PA 283 WB RAMP O (SR 8015)

REVIEWED:

MUNICIPAL OFFICIAL DATE

RECOMMENDED:

DIST TRAFFIC ENGR DATE

MOVEMENT, SEQUENCE, AND TIMING DIAGRAM

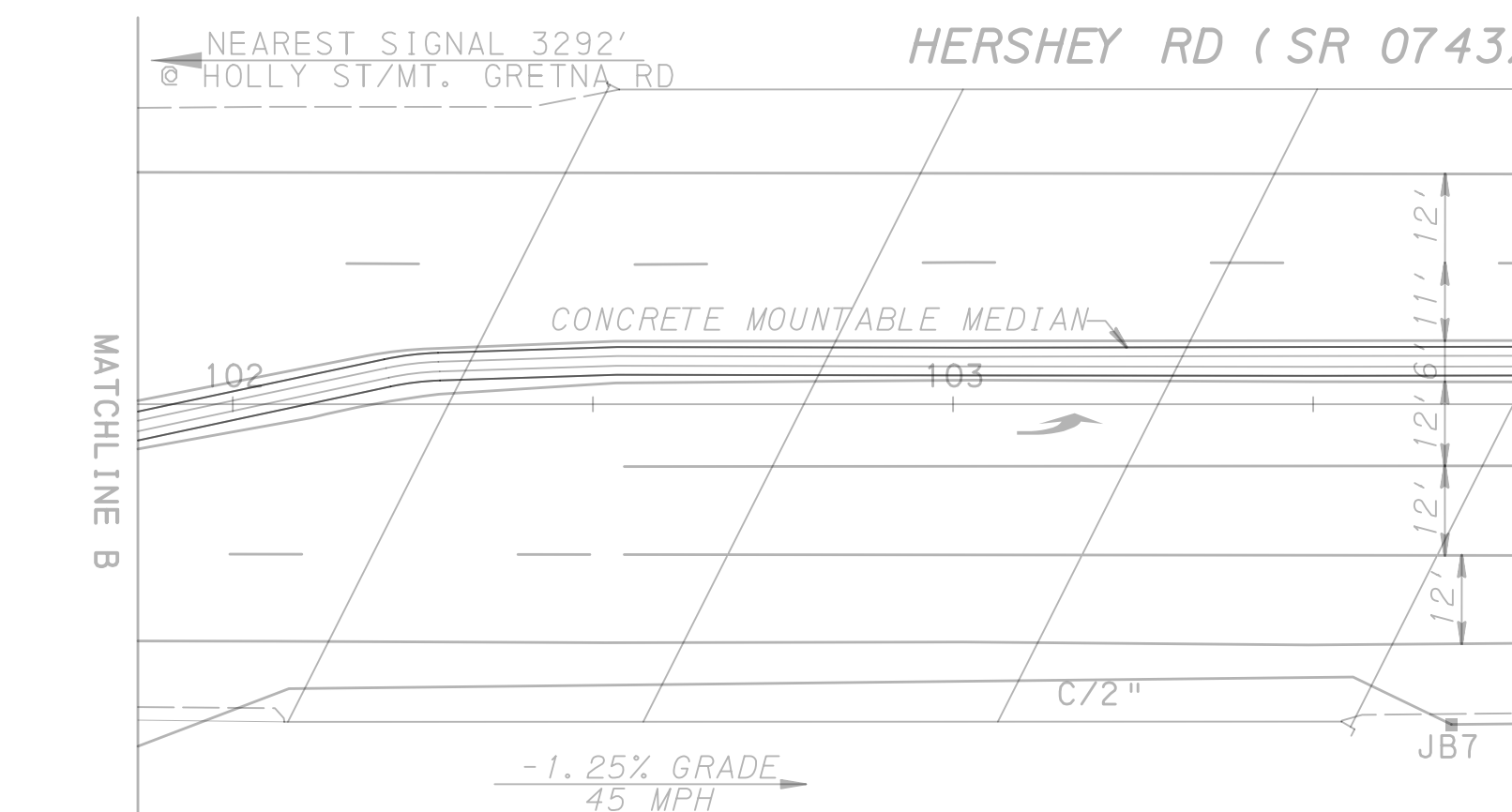
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INTERVAL	20	20	20	20	20	20	20	20
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5,6	R R R	G Y R	R R R	R R R	G Y R	R R R	R R R	Y
7,8,9	R R R	R R R	G Y R	G Y R	R R R	R R R	G Y R	R
SELECTIVE CLEARANCES								
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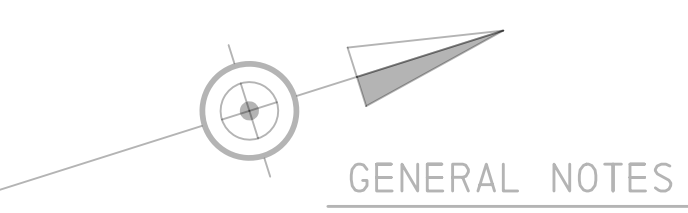
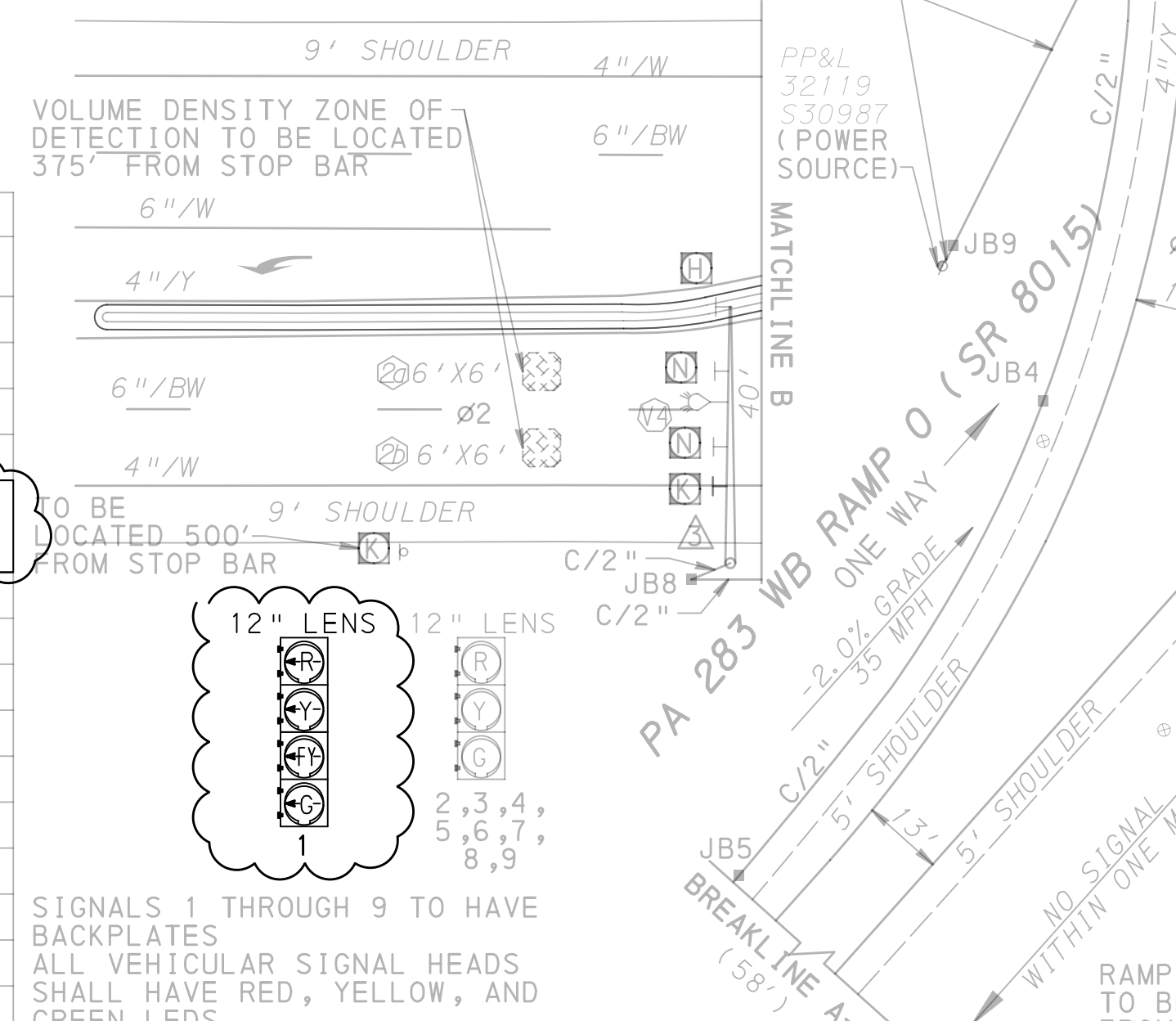
OPERATION NOTES
 ① ←R BETWEEN 6:00AM-9:00AM AND 3:00PM-7:00PM
 ② SIGNAL TO INDICATE G WHEN RETURNING TO NORMAL OPERATION



DETECTOR NOTES
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T-289

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THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS MEASURED AT RIGHT ANGLES TO THE APPROACH IS TO BE 8 FEET.

PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT FOR EMBANKMENT REMOVAL, CURBING AND/OR SIDEWALK, DRAINAGE STRUCTURES, CHANGES IN HIGHWAY GEOMETRY, PAVEMENT WIDENING, OR INSTALLATION OF ADDITIONAL LANES.

CONDUIT INSTALLED IN BITUMINOUS ROADWAY LESS THAN 5 YEARS OLD, OR CONCRETE ROADWAY REGARDLESS OF AGE, MUST BE BORED OR JACKED UNDER THE ROADWAY. INSTALL IN ACCORDANCE WITH TRAFFIC SIGNAL STANDARDS TC-8800 SERIES.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF THE LATEST AMENDMENT TO ACT 287, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES, DATED DECEMBER 20, 1974.

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ENTIRE AREA IS WITHIN LIMITED ACCESS RIGHT-OF-WAY

TO BE LOCATED 500' FROM STOP BAR

LEGEND

- 20' MA - PROPOSED MAST ARM/IDENTIFYING LENGTH
- ④ - VEHICULAR SIGNAL HEAD/IDENTIFYING NUMBER
- ④ - PEDESTRIAN SIGNAL HEAD/IDENTIFYING NUMBER
- ⊕④ - PEDESTRIAN PUSH BUTTON/IDENTIFYING NUMBER
- ⊕④ - PROPOSED SIGN/IDENTIFYING LETTER
- ⊕④ - EXISTING SIGN/IDENTIFYING LETTER
- ④ - VEHICLE DETECTOR/SIZE
- ④ - ZONE OF DETECTION/SIZE
- ⊠ - PROPOSED JUNCTION BOX
- ⊠ - PROPOSED CONTROLLER ASSEMBLY
- ☀ - PROPOSED LUMINAIRE
- 4"/DY - 4" WIDTH / DOUBLE YELLOW LINE
- 6"/W - 6" WIDTH / SOLID WHITE LINE
- 4"/DDY - 4" WIDTH / DASHED DOUBLE YELLOW LINE
- 24"/W - 24" WIDTH / SOLID WHITE LINE
- 4"/DY - 4" WIDTH / DOUBLE YELLOW LINE
- 6"/W - 6" WIDTH / SOLID WHITE LINE
- 24"/W - 24" WIDTH / SOLID WHITE LINE
- ⊕ - PHASE NUMBER
- ⊕ - UTILITY POLE
- X - FENCE
- - GUIDE RAIL

Example Traffic Signal Construction Plans showing the replacement of a five section protected/permitted signal head with a four section flashing yellow arrow (FYA) signal head. This example also shows time of day FYA operations.

TRAFFIC SIGNAL CONSTRUCTION PLAN

COUNTY: LANCASTER

MUNICIPALITY: MOUNT JOY TOWNSHIP

INTERSECTION: HERSHEY RD (SR 0743) & PA 283 WB RAMP O (SR 8015)

SCALE IN FEET: 25' 0' 25' 50'

Q:\Projects\Road\A03115 - BOMD OE\Y.O Work Orders\A03115 - FYA Tech Support\A800 Plans\Graphica\CADD\02_Rev\Issued Const P\01_01.DGN
 16-FEB-2017 09:06:16-FEB-2017 09:08:58E8

TRAFFIC SIGNAL SUPPORTS

STRUCTURE NO.	ITEM NO.	ROUTE	STATION	SIDE	OFFSET	H	K	MAST ARM																								LUMINAIRE ARM C			PEDESTAL SHAFT								
								ARM A												ARM B												L	X	Z	H	Z							
								SIGNAL LOCATION						SIGN LOCATION						SIGNAL LOCATION						SIGN LOCATION																	
L	M	N	O	P	Q	R	S	T	U	V	W	L	M	N	O	P	Q	R	S	T	U	V	Y	L	X	Z	H	Z															
	9951-2135	SR 0743	105+29	LT	55'	17'	-	40'	50'	28'								34'						90°	35'	33'	23'					29'	12'			0°	20'	30'	45°				
	0951-2150	SR 0743	105+78	RT	52'	16'	8'	50'		24'								47'	31'					90°																			
	0951-0140	SR 0743	102+04	RT	45'	17'	8'	40'										40'	30'	18'				90°																			

• VERTICAL POLES AND MAST ARMS TO BE DESIGNED BY MANUFACTURER TO ADEQUATELY SUPPORT LOADS AS SHOWN ON THE PLAN OR MAXIMUM LOAD REQUIREMENTS ESTABLISHED BY AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, WHICH EVER IS GREATER.

ELECTRICAL DISTRIBUTION SYSTEM

DESCRIPTION	1 INCH CONDUIT	2 INCH CONDUIT	3 INCH CONDUIT	TRENCH AND BACKFILL, TYPE I	TRENCH AND BACKFILL, TYPE III	SIGNAL CABLE 14 AWG, 3 CONDUCTOR	SIGNAL CABLE 14 AWG, 7 CONDUCTOR	1 INCH CONDUIT	2 INCH CONDUIT	3 INCH CONDUIT	JUNCTION BOX, JB-26	JUNCTION BOX, JB-27	JUNCTION BOX, 17X30	ELECTRICAL SERVICE, TYPE C	DETECTOR LEAD IN CABLE	
ITEM NUMBER	0954	0954	0954	0954	0954	0954	0954	0954	0954	0954	0954	0954	0954	0954	0956	
UNIT	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	L.F.	
LOCATION																
UP #PPL 32119 TO JB1	-	165	-	76	89	-	-	-	-	-	-	-	-	1	-	
to JB1	-	14	14	7	-	140	216	-	-	-	-	-	-	-	12	
to JB3	-	-	6	6	-	117	136	-	-	-	-	-	-	-	-	
to JB8	-	7	-	-	7	-	-	-	-	-	-	-	-	-	-	
JB1 to JB2	-	312	104	15	89	109	421	-	-	-	1	-	-	-	109	
JB2 to JB3	-	37	37	17	20	42	153	-	-	1	1	-	-	-	-	
JB2 to JB7	-	169	-	169	-	-	-	-	-	1	-	-	-	-	-	
JB7 to JB8	-	175	-	-	175	-	-	-	-	1	-	-	-	-	-	
JB2 to JB4	-	78	-	78	-	-	-	-	-	1	-	-	-	-	83	
JB4 to JB5	-	90	-	90	-	-	-	-	-	1	-	-	-	-	95	
JB5 to JB6	-	67	-	67	-	-	-	-	-	1	-	-	-	-	72	
to JB6	5	-	-	5	13	-	-	-	-	1	-	-	-	-	23	
L1 to															37	
L2 to															37	
SEE WIRING DIAGRAM																
TOTALS	5	1114	161	530	393	408	927				243	5	2	2	1	394

FLAT SHEET ALUMINUM SIGN TABULATION

SYMBOL	SERIES	SIZE	AREA EACH (SQ. FT.)	REMARKS	QUANTITY EACH		ITEM NUMBER	
					POST MOUNTED	POLE MOUNTED	0931-0001	0936-0200
A	D3-4	78"x16"	8.67	STREET SIGN "Hershey Rd"	-	1	-	-
B	R5-1	30"x30"	6.25	DO NOT ENTER	-	-	-	-
C	R1-2	36"x36"	9.00	YIELD	3	-	27.00	-
D	R6-1	36"x12"	3.00	MONITORIAL LEFT TURN YIELD SIGN	-	-	-	-
E	R10-12A	30"x36"	7.50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	-	1	-	7.50
F	R3-2	36"x36"	9.00	NO RIGHT TURN	-	-	-	-
G	R4-7	24"x30"	5.00	KEEP RIGHT	-	-	-	-
H	R3-5L	30"x36"	7.50	LEFT TURN SIGN	-	1	-	7.50
I	R3-3	36"x36"	9.00	NO TURNS SIGN	-	1	-	9.00
J	R3-1	36"x36"	9.00	NO RIGHT TURN	-	1	-	9.00
K	W3-3	36"x36"	9.00	SIGNAL AHEAD	2	-	18.00	-
L	OM1-3	18"x18"	2.25	OBJECT MARKER	-	-	-	-
M	R9-3A	18"x18"	2.25	NO PEDESTRIAN CROSSING	6	2	13.50	4.50
N	R3-5S	30"x36"	7.50	STRAIGHT THROUGH SIGN	-	2	-	15.00
TOTALS					13	9	76.50	61.17

MISCELLANEOUS ITEMS

ITEM NO.	QUAN.	UNIT	DESCRIPTION
0910-2828	2	EA	250-WATT HIGH PRESSURE SODIUM LUMINAIRE, ARM MOUNT
0955-3209	1	EA	VEHICULAR SIGNAL HEAD, FOUR 12" SECTIONS
0955-3208	8	EA	VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS
9952-2036	1	EA	CONTROLLER ASSEMBLY, SOLID STATE, ACTUATED, WITH VOLUME DENSITY, 2-8 PHASE, NEMA TS2-TYPE 1, TYPE I MOUNTING
9952-2003	1	EA	UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM, POLE MOUNTED USE SEPERATE CABINET SINCE POLE MOUNTED
9952-0003	1	LS	EMERGENCY PREEMPTION SYSTEM (MOUNT JOY TOWNSHIP)
9956-0700	1	LS	VIDEO DETECTION SYSTEM (MOUNT JOY TOWNSHIP)
0960-0005	428	LF	6" WHITE HOT THERMOPLASTIC PAVEMENT MARKING
0960-0021	74	LF	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKING
0960-0222	1	EA	WHITE HOT THERMOPLASTIC LEGEND "RIGHT ARROW", 12'-0" X 3'-0"
0960-0224	2	EA	WHITE HOT THERMOPLASTIC LEGEND "LEFT ARROW", 12'-0" X 3'-0"
0960-0228	1	EA	WHITE HOT THERMOPLASTIC LEGEND "THRU & LEFT ARROW", 12'-0" X 3'-0"
9953-0003	1	EA	SPREAD SPECTRUM RADIO TRANSCEIVER
0963-0001	520	SF	PAVEMENT MARKING REMOVAL
0963-0010	24	SF	PAVEMENT MARKING REMOVAL (LEGENDS AND SYMBOLS)

DETECTORS

SENSOR NUMBER	LAYOUT TYPE	PRESENCE	DIMENSION	0956		
				0101	0111	0500
				LOOP SENSOR L.F.	LOOP AMPLIFIER, 1 CHANNEL	PED. PUSH BUT. EA.
3	TYPE II	PRESENCE	6' x 6'	45	1	-
TOTALS			6' x 6'	45	1	-

CONTRACTORS NOTES:

- ALL WORK TO CONFORM WITH LATEST PENNDOT FORM 408, RC-67M, AND PENNDOT TC-8800 SERIES.
- JB #1 & 2 TO BE TYPE 17"x30".
- JB #3 & 9 TO BE JB-27.
- JB #4,5,6,7 & 8 TO BE TYPE JB-26.
- ALL JUNCTION BOXES TO BE MARKED "TRAFFIC SIGNAL" ON A LOCKED LID.
- INSTALL NEW TRAFFIC SIGNAL CONTROLLER: TYPE I MOUNTING WITH BATTERY BACKUP SYSTEM, GENERATOR PLUG AND EMERGENCY VEHICLE PREEMPTION.
- INSTALL POLES #1,2 & 3 SIGNAL HEADS, LUMINAIRES, AND SIGNS AS SHOWN.
- LUMINAIRES ARE TO BE 250W HPS, FULL CUT OFF LUMINAIRES.
- DO NOT CONNECT LUMINAIRES TO OPERATE WITH THE UPS BATTERY BACKUP SYSTEM.
- ALL NEW WIRING TO BE PROVIDED PER WIRING DIAGRAM.
- ALL UNDERGROUND CONDUIT CONTAINING COMMUNICATIONS CABLE TO BE PLACED A MINIMUM OF 36" BELOW GRADE.
- ALL RED, YELLOW AND GREEN INDICATIONS INCLUDING ARROWS, PEDESTRIAN INDICATIONS, AND PREEMPTION CONFIRMATION LIGHTS TO BE EQUIPPED WITH PENNDOT APPROVED LED LENSES.
- VIDEO CAMERAS TO BE MOUNTED A MINIMUM OF 30 FEET ABOVE THE ROADWAY, UNLESS NOTED OTHERWISE ON PLAN.
- SHOP DRAWINGS AND CATALOG CUTS ARE TO BE SUBMITTED TO MOUNT JOY TOWNSHIP FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- UPON COMPLETION OF FINAL INSPECTION, THE CONTRACTOR IS TO SUBMIT AS-BUILT PLANS INCLUDING ALL UNDERGROUND CONDUIT & LOOP LEAD-IN LOCATIONS TO MOUNT JOY TOWNSHIP.

EMERGENCY PRE-EMPTION NOTES:

OPERATION: CONTROLLER TO BE EQUIPPED WITH EMERGENCY PRE-EMPTION FOR ALL APPROACHES WHICH WILL TERMINATE THE GREEN INTERVALS AND PROVIDE A SELECTIVE CLEARANCE (YELLOW & ALL RED) WHEN ACTIVATED BY EMERGENCY TRANSMISSION.

PRIORITY: IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED, PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVE" OPERATION.

CLEARANCE: IF PRE-EMPTION OCCURS DURING A PHASE CLEARANCE INTERVAL, THAT INTERVAL WILL CONTINUE TO TIME OUT FOLLOWED BY PRE-EMPTED PHASE.

RETURN: UPON COMPLETION OF PRE-EMPTION, OPERATION RESUMES IN PHASE 2+6

GREEN PHASE: IF PRE-EMPTION OCCURS DURING GREEN PHASE THE CONTROLLER WILL REMAIN IN THAT PHASE FOR DURATION OF PRE-EMPTION.

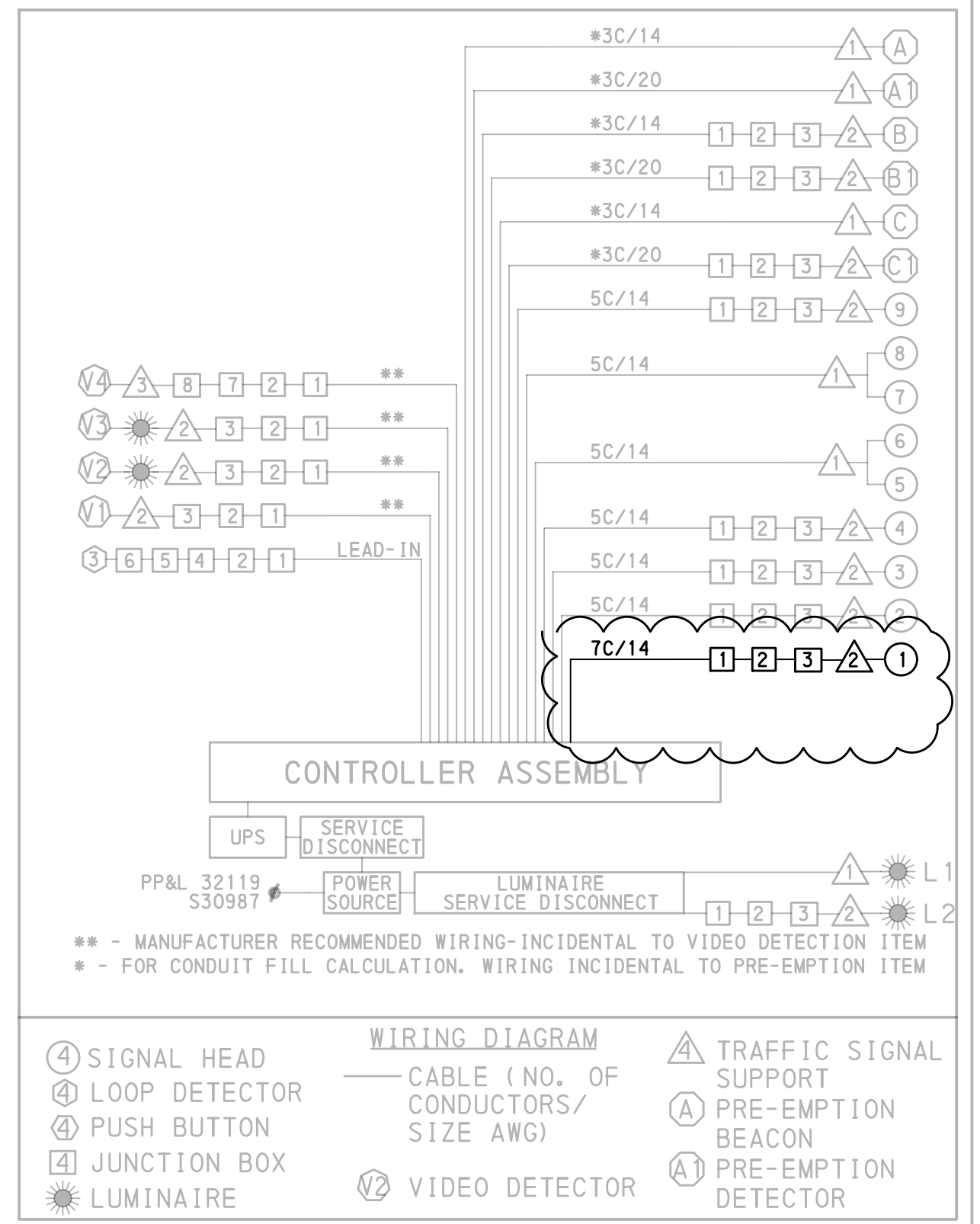
FLASHING: IF PRE-EMPTION OCCURS DURING FLASHING OPERATION SIGNALS REMAIN IN FLASH.

PEDESTRIAN: IF PRE-EMPTION OCCURS DURING PEDESTRIAN PHASE, THE PEDESTRIAN CLEARANCE PHASE WILL TERMINATE AND PEDESTRIAN CLEARANCE PHASE WILL CONTINUE TO TIME OUT ENTIRETY OF THE PREEMPTION.

FLASHING HAND: IF PRE-EMPTION OCCURS DURING FLASHING HAND OPERATION, THE FLASHING HAND WILL CONTINUE TO TIME OUT ENTIRETY OF THE PREEMPTION.

EQUIPMENT LOCATION: LOCATION OF EMERGENCY VEHICLE DETECTORS

Example Traffic Signal Construction Plans showing the replacement of a five section protected/permitted signal head with a four section flashing yellow arrow (FYA) signal head. This example also shows time of day FYA operations.



TRAFFIC SIGNAL CONSTRUCTION PLAN

COUNTY: LANCASTER

MUNICIPALITY: MOUNT JOY TOWNSHIP

INTERSECTION: HERSHEY RD (SR 0743) & PA 283 WB RAMP O (SR 8015)

25' 0' 25' 50'

SCALE IN FEET