

SIGN TABULATION						
ZE	DESCRIPTION					
15 ''	EDUCATIONAL PUSH BUTTON SIGN (LEFT)					
15 ''	EDUCATIONAL PUSH BUTTON SIGN (RIGHT)					
(18 "	NO PEDESTRIAN CROSSING					
(30"	TURNING TRAFFIC MUST YIELD TO					
	PEDESTRIANS RIGHT					

1. SIGNALS WILL HAVE A TETHER CABLE TO ELIMINATE MOVEMENT OF SIGNAL

2. THE CONTRACTOR MUST BE AVAILABLE ON A 24 HOUR BASIS TO RESPOND TO SIGNAL MALFUNCTIONS. THE CONTRACTOR WILL PROVIDE AN EMERGENCY TELEPHONE NUMBER TO THE RESIDENT ENGINEER AND TO LOCAL POLICE

3. TRAFFIC SIGNALS MAY BE INSTALLED ON CLASS 4 WOOD POLES. PROVIDE

4. CONTROLLER ASSEMBLY WILL BE EQUIPPED WITH A POLICE DOOR AND A

5. SIGNING WILL BE IN ACCORDANCE WITH WORK ZONE TRAFFIC CONTROL

LOCATED AS DIRECTED BY THE ENGINEER. FLAGGERS WILL BE USED TO PROTECT THE WORK ZONE DURING CONSTRUCTION OF THE TEMPORARY TRAFFIC SIGNALS.

7. DURING HOURS OF DARKNESS, ALL SIGNS WILL BE REFLECTORIZED OR

8. STOP BAR (W/24") IS TO BE PLACED A MINIMUM DISTANCE OF 40 FEET

9. THE PROJECT ENGINEER OR THE TRAFFIC SIGNAL UNIT HAS THE RIGHT TO MODIFY THIS PLAN IN ORDER TO MOVE TARFFIC MORE SAFELY AND EXPEDITIOUSLY ACCORDING TO ACCEPTED TRAFFIC ENGINEERING PRACTICES. 10. ALL STOP BARS ARE TO BE PLACED PERPENDICULAR TO THE

DISTRICT

6-0

REVISION NUMBER

WRITTEN APPROVAL.

TO BE 8 FEET.

COUNTY

MONTGOMERY

SIDEWALK OR PAVEMENT GRADE.

ROUTE

2018

SPRINGFIELD TOWNSHI

GENERAL NOTES

2. POST MOUNTED SIGNALS: INSTALL WITH THE SIGNAL HEADS A MINIMUM OF TWO (2) FEET BEHIND THE FACE

OF THE CURB OR EDGE OF THE SHOULDER. THE BOTTOM

OF POST MOUNTED SIGNAL HEADS ARE TO BE NOT LESS

SIGNAL HEAD CLEARANCE OF TWO (2) FEET BEHIND THE

FACE OF CURB OR EDGE OF SHOULDER. THE BOTTOM OF

SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY

FEET. DUAL SPAN WIRE INSTALLATION REQUIRED TO

SECURE TOP AND BOTTOM OF SIGNAL HEADS.

ARE TO BE NOT LESS THAN 16 FEET NOR MORE THAN 19

4. THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL

HEADS MEASURED AT RIGHT ANGLES TO THE APPROACH IS

THAN 8 FEET NOR MORE THAN 15 FEET ABOVE THE

3. OVERHEAD SIGNALS: INSTALL WITH A MINIMUM

1. DO NOT MODIFY INSTALLATION WITHOUT PRIOR

REVISIONS

SECTION

SIP

SHEET

4 OF 5

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DATE

	IO BE 8	FEEI.				
HE CENTER OF THE	DRAWING PROVISIO	UNLESS THE NS OF ACT	NNOT BE USED AS A CONSTRUC CONTRACTOR COMPLIES WITH 50, AS AMENDED, UNDERGROUM	THE ND		
	PRIOR TO	CONSTRUCT	ACÍ, DATED APRÍL 28, 2018. Ion, consult with utility ve any conflicts.			
RS.	6. PLACE DEPARTME	PAVEMENT NT OF TRAN	MARKINGS IN ACCORDANCE WIT SPORTATION PAVEMENT MARKIN SERIES (JUNE 13, 2013).			
	7. MAINTENANCE AND PROTECTION OF TRAFFIC FOR THE INSTALLATIONS OF THESE TRAFFIC SIGNALS IS TO BE IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES (JUNE 2014).					
			LEGEND			
	EXISTING	TEMPORARY	DESCRIPTION			
		\boxtimes	CONTROLLER ASSEMBLY			
			WOOD STRAIN POLE WITH DUA SPAN WIRE AND GUY WIRES	AL.		
			PEDESTAL POLE			
	$+\geq (4)$	$+\mathbf{E}(4)$	VEHICULAR SIGNAL HEAD			
	$-\mathbf{I}(4)$	- I (4)	PEDESTRIAN SIGNAL HEAD			
			POST MOUNTED SIGN			
. /			OVERHEAD MOUNTED SIGN			
	$\langle P 1 \rangle (A) \leftarrow$	(₽) (▲ (+	PEDESTRAIN PUSH BUTTON/SI	GN		
	$-\Box$ (A)	- - (Â)	EMERGENCY PRE-EMPTION DETEC	TOR		
	-05(A1)	-•:A1	EMERGENCY PRE-EMPTION BEACO	N		
			VIDEO DETECTOR			
	\Box 4	■ <u>4</u>	JUNCTION BOX			
	(4) 10'X40'	(4) 10' X40'	VIDEO DETECTION ZONE/ DIMENSIONS/ID NUMBER CHANNELIZING DEVICE			
			WORK ZONE			
		→	DIRECTION OF TRAVEL			
	COUNTY	: MONTGOMER	۲ ۲			
	MUNICI	PALITY: <u>Spr</u>	RINGFIELD TOWNSHIP			
	INTERS	ECTION: <u>BET</u>	HLEHEM PIKE (SR 2018) &			
		MON	ITGOMERY AVE			
<u>SCALE</u>						
25 50 FEET	REVIEW	FD:				
PREPARED BY: INTB CORPORATION	MUNICI	PAL OFFICI	AL	DATE		
1650 ARCH STREET SUITE 1700 PHILADELPHIA,	RECOMMENDED:					
PA 19103	ASSIST	ANT DISTRI	CT EXECUTIVE - OPERATIONS	DATE		
			0	•		

FILE #: <u>0675</u>

SYSTEM PERMIT #: I-0060

EMERGENCY PRE-EMPTION PHASING MOVEMENT, PHASING, AND SEQUENCE CHART

PHASE	2			6				8				
INTERVAL S I GNAL		9	10	11		12	13	14		15	16	17
1,2	SELECTIVE CLEARANCE	G	ү @	_R @	ШШ > О	R	R	R	ЩЩ	R	R	R
3,4		R	R	R	T I V A N C	G	ү@	_R 0	ANC ANC	R	R	R
5,6		R	R	R	EC' AR,	R	R	R	ЧС.	G	Y	R
7,8		Н	Н	Н		H	Н	Н		Н	Н	Н
9,10		Н	Н	Н	SO	H	Н	Н	ပပ	Н	Н	Н
FIXED			4	2			4	2			3	3

▲ FOR DURATION OF PRE-EMPTION

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

EMERGENCY PRE-EMPTION OPERATION NOTES

◎ SIGNAL TO INDICATE G WHEN RETURNING TO NORMAL OPERATION

EMERGENCY PRE-EMPTION NOTES:

CONTROLLER TO BE EQUIPPED WITH EMERGENCY PRE-EMPTION FOR THE NORTHBOUND AND SOUTHBOUND APPROACHES OF BETHLEHEM PIKE (SR 2018) AND THE WESTBOUND APPROACH OF MONTGOMERY AVENUE WITH A FAIL SAFE DEVICE FOR EACH DIRECTION OF OPERATION. THIS EMERGENCY BEACON SHALL CONSIST OF A FLASHING WHITE FLOOD LIGHT, AND SHALL FLASH WHEN THE EMERGENCY VEHICLE HAS CONTROL OF THE INTERSECTION FOR THE APPROPRIATE APPROACH.

THE SIGNALS, WHEN ACTIVATED BY EMERGENCY VEHICLE, SHALL TERMINATE ALL GREEN INDICATIONS IMMEDIATELY, FOLLOWED BY THE COMPLETE YELLOW AND RED CLEARANCE INTERVALS, ACCORDINGLY. THEN THE GREEN INTERVAL FOR THE PRE-EMPTION PHASE SHALL FOLLOW. ONLY THOSE PHASES NOT POSING A YELLOW TRAP CONDITION MAY REMAIN GREEN (8) WHEN GOVERNED BY APPROACHING EMERGENCY VEHICLE. ANY FLASHING YELLOW ARROW INDICATORS FOR THE PRE-EMPTED PHASE SHALL REMAIN FLASHING YELLOW ARROW DURING THE ENTRY ROUTINE FOLLOWED BY GREEN ARROW FOR THE DURATION OF THE SIGNAL PRE-EMPTION. ANY FLASHING YELLOW ARROW INDICATIONS FOR THE PHASE OPPOSITE THE PRE-EMPTED PHASE SHALL REMAIN FLASHING YELLOW ARROW DURING THE ENTRY ROUTINE AND FOR THE DURATION OF SIGNAL PRE-EMPTION.

THE SIGNALS, WHEN ACTIVATED BY EMERGENCY VEHICAL SHALL TIME OUT ALL YELLOW AND RED INDICATIONS, FOLLOWED BY THE GREEN INTERVAL FOR THE PRE-EMPTION GOVERNED BY THE APPROACHING EMERGENCY VEHICLE.

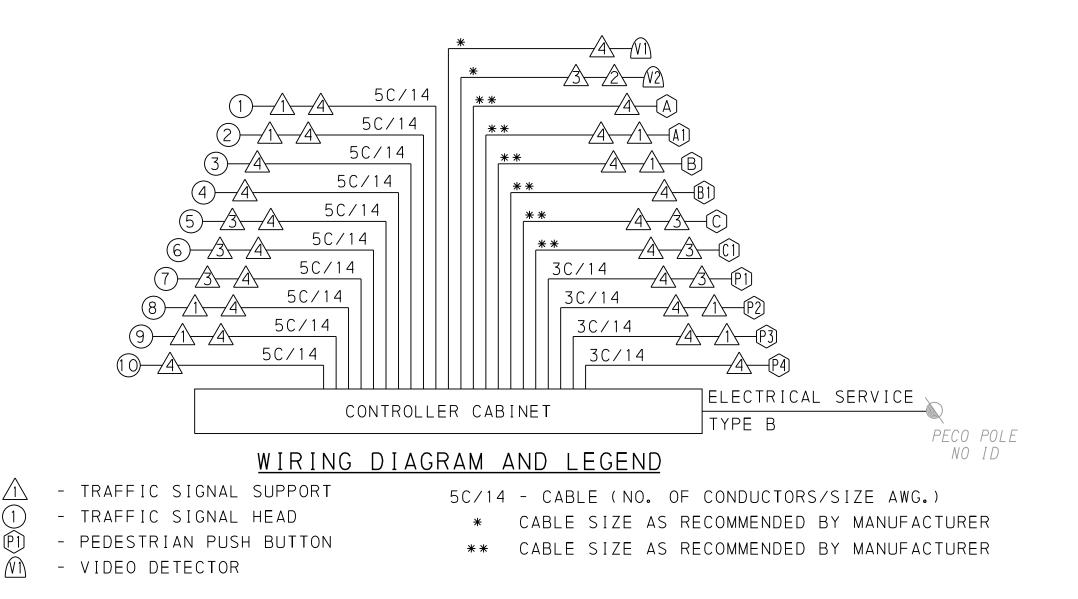
IF THE SIGNAL HAS BEEN ACTUATED BY A PEDESTRIAN PUSH BUTTON AND THE SIGNAL IS PRE-EMPTED, THE PED "WALK" (MAN) INTERVAL SHALL TERMINATE IMMEDIATELY AND THE PED "CLEAR" (FLASHING HAND AND COUNTDOWN TIMER) INTERVAL SHALL TIME OUT, FOLLOWED BY THE APPROPRIATE SELECTIVE CLEARANCES BEFORE GOING INTO EMERGENCY PRE-EMPTION.

IF THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, ARE FLASHING ALL SÍGNALS SHALL REMAIN FLASHING.

IF ADDITIONAL PRE-EMPTION PHASES ARE ACTIVATED WHILE IN PRE-EMPTION, THE ORIGINAL PRE-EMPTION PHASE SHALL TIME OUT BEFORE PROCÉEDING TO THE NEXT PRE-EMPTION PHASE.

UPON COMPLETION OF PRE-EMPTION PHASE 2, 6 OR 8 IN RETUNRING TO NORMAL OPERATION, PHASE 2+6 INTERVAL 4 SHALL FOLLOW. IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED, PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVE" OPERATION.

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



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TEMPORARY TRAFFIC SIGNAL

PREPARED BY: HNTB CORPORATION 1650 ARCH STREET SUITE 1700 PHILADELPHIA, PA 19103	COUNTY: <u>MONTGOMERY</u> MUNICIPALITY: <u>SPRINGFIELD TOWNSHIP</u> INTERSECTION: <u>BETHLEHEM PIKE (SR 2018) &</u> MONTGOMERY AVE APPROVED BY: MUNICIPAL OFFICIAL	
	RECOMMENDED:	
PROFESSIONAL ENGINEER	DISTRICT TRAFFIC ENGINEER DA	ATE
DATE	SCALE:	

DISTRICT	COUNTY	ROUTE	SECTION	SHEET				
6-0	MONTGOMERY	2018	SIP	5 C)F 5			
SPRINGFIELD TOWNSHIP								
REVISION NUMBER	REVISIONS				BY			