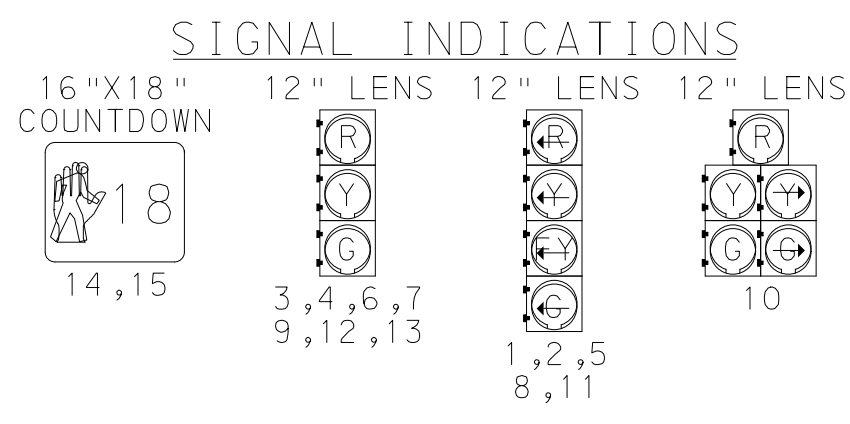


2023 PROJECTED TRAFFIC VOLUMES *SATURDAY

1. 7:00AM TO 8:00AM	298	287	138
2. 8:00AM TO 9:00AM			
3. 9:00AM TO 10:00AM			
4. 10:00AM TO 11:00AM			
5. 11:00AM TO 12:00PM			
6. 12:00PM TO 1:00PM			
7. 1:00PM TO 2:00PM	230	199	137
8. 2:00PM TO 3:00PM			
9. 3:00PM TO 4:00PM			
10. 4:00PM TO 5:00PM			
11. 5:00PM TO 6:00PM			
12. 6:00PM TO 7:00PM			
TOTALS	363	355	182

TOTALS S.R. 3069: 3069
 S.R. 3070: 356, 49
 PED. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12



SIGN TABULATION

PLAN SYMBOL	SERIES NUMBER	SIZE	REMARKS
A	R3-7L	30X30	LEFT LANE MUST TURN LEFT
B	R10-12A	30X36	LEFT TURN YIELD ON FLASHING YELLOW ARROW
C	R9-3	18X18	NO PEDESTRIAN CROSSING
D	R10-3E(R)	9X15	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN
E	R3-5L	30X36	LEFT TURN
F	R3-6SR	30X36	OPTIONAL RIGHT TURN
G	R3-5A	30X36	STRAIGHT THROUGH
H	R10-11	30X36	NO TURN ON RED
K	R10-3E(L)	9X15	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN
L	R3-5R	30X36	RIGHT TURN
M	D3-4	96X16	Lincoln Hwy
N	D3-4	96X16	Whitford Rd
P	R10-15R	30X30	TURNING TRAFFIC YIELD TO PEDESTRIANS
S	D3-4	72X16	Whitford Rd

GENERAL NOTES

NO MODIFICATIONS OF THIS INSTALLATION ARE PERMITTED UNLESS PRIOR APPROVAL IS GRANTED IN WRITING BY A REPRESENTATIVE OF THE DEPARTMENT OF TRANSPORTATION.

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

ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING ARE CONSIDERED PART OF THE PERMIT AND SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH PUBLICATION NO. 212.

POST MOUNTED SIGNALS SHALL BE INSTALLED WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB OR THE EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS SHALL ALSO HAVE A MINIMUM CLEARANCE HORIZONTALLY OF 2 FEET.

SIGNALS ERECTED OVER THE ROADWAY SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 16 FT. ABOVE THE ROADWAY. POST MOUNTED SIGNALS SHALL BE A MINIMUM OF 8 FT. ABOVE THE SIDEWALK OR PAVEMENT.

ALL OVERHEAD SIGNALS MUST BE RIGIDLY MOUNTED, TOP AND BOTTOM, AND EQUIPPED WITH BACKPLATES.

THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNALS MEASURED AT RIGHT ANGLES TO THE APPROACH SHALL BE 8 FEET.

EXACT LOCATION OF DETECTORS SHALL BE DETERMINED PRIOR TO INSTALLATION BY A REPRESENTATIVE OF PENNDOT.

CURBING TO BE INSTALLED BY MUNICIPALITY AND WHERE NOTED, SHALL BE PLAIN CEMENT CONCRETE CURB OR GRANITE CURB, INSTALLED IN ACCORDANCE WITH DEPARTMENT SPECIFICATIONS FORM 408.

PRIOR TO INSTALLATION THE CONTRACTOR SHALL CONSULT WITH THE LOCAL OFFICIALS AND UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.

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.

WHEN LIQUID FUELS MONEY IS USED, SIGNAL INSTALLATION MUST CONFORM TO FORM 408 AND A COPY OF THE PROPOSED SPECIFICATIONS MUST BE SUBMITTED TO THE DISTRICT TRAFFIC UNIT, FOR REVIEW, PRIOR TO BIDDING.

PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT FOR ANY CHANGES IN INTERSECTION GEOMETRY REGARDING EXCAVATION.

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.

SYSTEM PERMIT# I-0023

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
 ENGINEERING DISTRICT 6-0

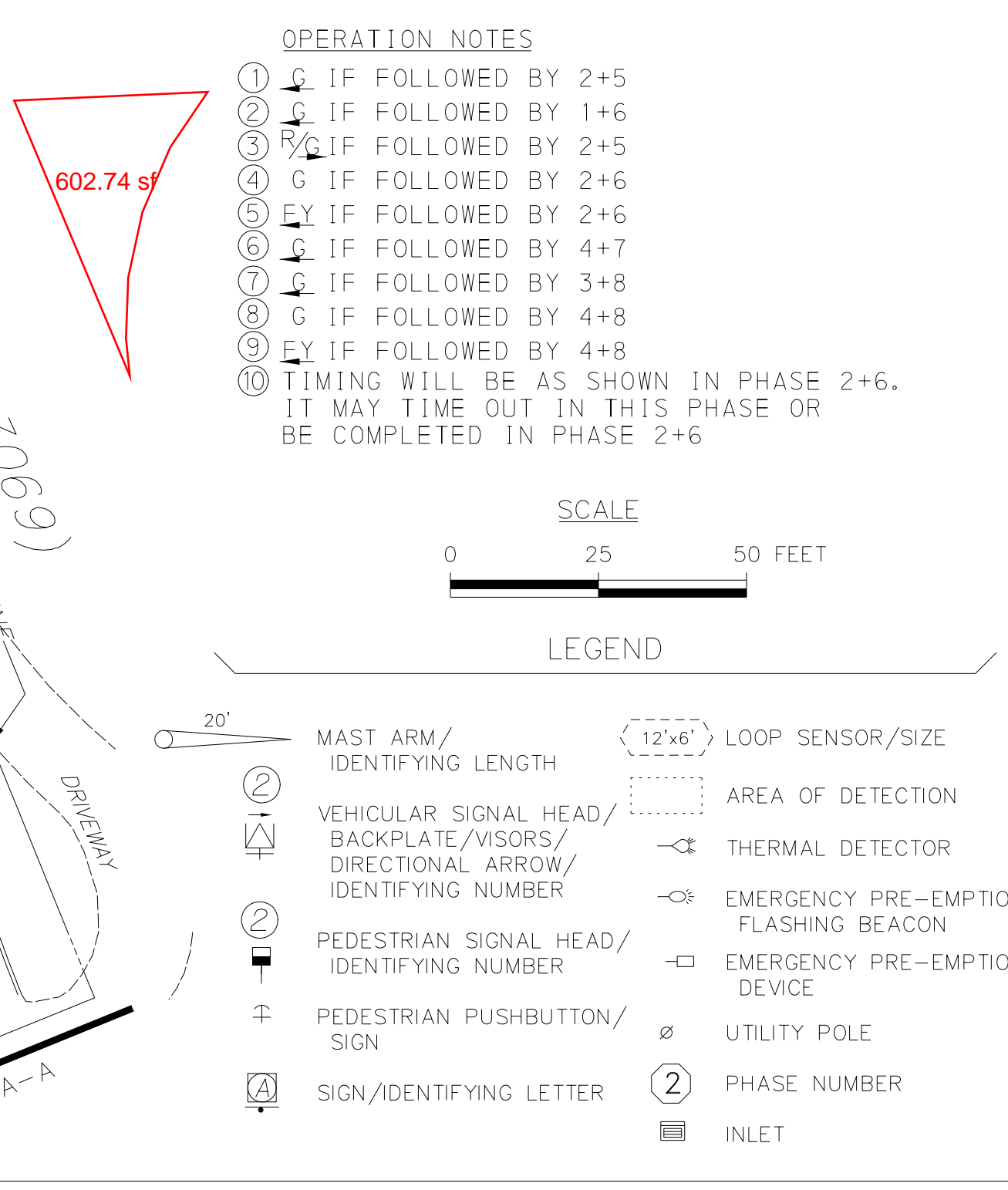
COUNTY: CHESTER
 MUNICIPALITY: WEST WHITELAND TOWNSHIP
 INTERSECTION: LINCOLN HIGHWAY (S.R. 3070)
 & WHITFORD ROAD (S.R. 3069)

MOVEMENT, SEQUENCE AND TIMING DIAGRAM

PHASE	1+5	2+5	1+6	2+6	3+7	4+7	3+8	4+8	FLASH
1,2	G	Y	R	G	Y	R	G	Y	R
3,4	R	R	R	G	Y	R	G	Y	R
5	G	Y	R	G	Y	R	G	Y	R
6,7	R	R	R	G	Y	R	G	Y	R
8	R	R	R	G	Y	R	G	Y	R
9	R	R	R	G	Y	R	G	Y	R
10	R	R	R	G	Y	R	G	Y	R
11	R	R	R	G	Y	R	G	Y	R
12,13	R	R	R	G	Y	R	G	Y	R
14,15	H	H	H	M	FH	H	M	FH	H

FIXED	3	5	2	3	5	2	3	5	2	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4
MINIMUM	3	5	2	3	5	2	3	5	2	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4
SEC/ACT																								
MAX. INIT.																								
PASSAGE	3			3			3			3			3			3			3			3		
TBR																								
TTR																								
MIN. GAP																								
MAX. 1	10			10			10			16			16			16			16			40		
MAX. 2	10			10			10			16			16			16			16			40		
PEDESTRIAN*																								
MEMORY	NL			NL			NL			MN			NL			NL			NL			NL		

REFER TO SYSTEM PERMIT #I-0023 FOR PROGRAM TIMINGS AND WEEKLY PROGRAM CHART.
 • CONTROLLER TO DWELL IN PHASE 2+6 UNTIL ACTUATED BY PHASE 3,4,7 OR 8



REVIEWED: **NOT FOR CONSTRUCTION**
 CONTRACTOR TO OBTAIN SIGNED SIGNAL PLANS

MUNICIPAL OFFICIAL: _____ DATE: _____

RECOMMENDED: MARK L. KRAY 1/21/92

DOUGLAS W. MAY 1/21/92
 DISTRICT TRAFFIC ENGINEER

NO.	REVISION	DES./REVW.	DATE	REVW.	DATE	RECOM.	DATE
1	NEW DWG WIDENING CLS	MCM	4/20/00			WJE	4/20/00
2	NEW DWG, ADD CLS, TIMING CHG	SHG	11/25/03	LUTZ	12/1/03	LRB	12/5/03
3	CHANGE NEAREST SIGNAL TO NORTH	MCM	11/15/16	LUTZ	11/15/16	ABP	1/25/17
4	NE CORNER DEVELOPMENT AND TIMING CHANGES	MCM	7/29/20	LUTZ	8/13/20	ABP	8/21/20
5	ADD CCTV DEVICE TO NW CORNER	RKK	6/3/20	LUTZ	6/24/20	ABP	6/29/20
6	REVISE NE CORNER, ADD NB THROUGH LANE	MCM	2/15/21	LUTZ	9/1/21	ABP	9/1/21
7	AS-BUILT	MCM	11/1/22	LUTZ	1/7/22	LUTZ	1/7/22
8	REVISE NW CORNER, REPLACE CO. & NW CORNER MA; ADD FVA TO ALL APPROACHES; ADD THERMAL DETECTORS; ADD NORTH LEG. PED. X-ING; ADD NB THERMAL DETECTOR; ADD SH 10	TPD	5/11/23				

SHEET 2 OF 3 PERMIT # 62-1519 FILE # 1519