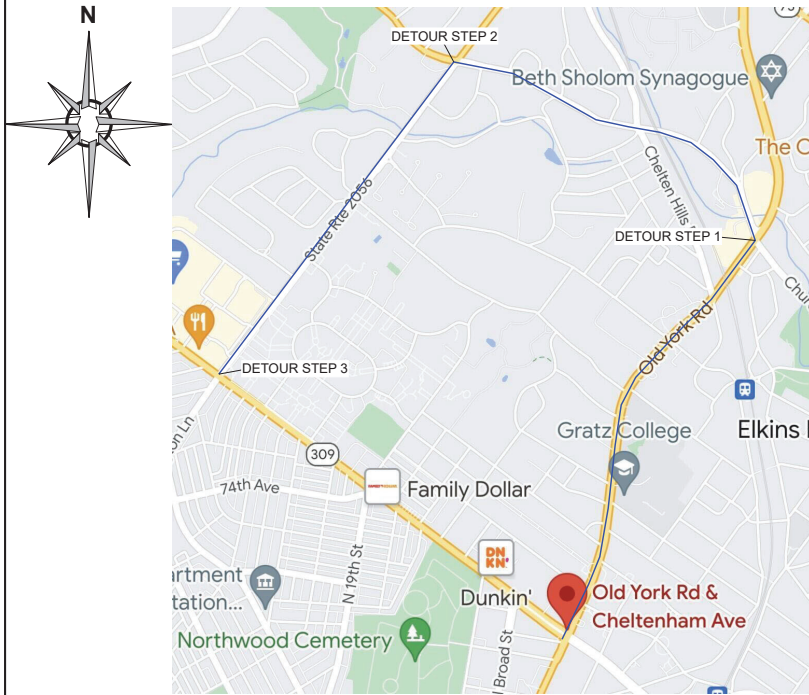
	<p>Date: 8/14/23 Author: Feil Project: Road Closure</p> <p>Comments:                  1. Plan is Not To Scale.                  2. Close W Cheltenham Ave at Old York Rd.                  3. Detour to Old York Rd to Church Rd to Washington Lane.                  4. Project Start xx/xx/xxxx @8pm-6am M-F.</p> <p>Old York Rd &amp; Cheltenham Ave Closure</p>
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### TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL SHALL COMPLY WITH MUTCD MOST CURRENT VERSION.
2. PROVIDE SUBSTANTIAL PROTECTION AND MINIMIZE WORKER EXPOSURE TO TRAFFIC BY APPLYING POSITIVE PROTECTION DEVICES IN PRACTICAL WAYS. LONG-TERM PROJECTS (THREE DAYS OR LONGER) MAY WARRANT THE USE OF POSITIVE PROTECTION DEVICES SUCH AS CONCRETE TEMPORARY BARRIER, WHILE SHORT-TERM OPERATIONS MAY BE BETTER SERVED BY A TRUCK-MOUNTED ATTENUATOR (TMA). ALWAYS CONSIDER THE USE OF POSITIVE PROTECTION WHENEVER PRACTICAL.
3. PRIOR TO THE BEGINNING OF WORK OPERATIONS, EVALUATE ALL ASPECTS OF THE WORK AREA, INCLUDING SIGHT DISTANCE, TRAFFIC SPEED, VOLUME, ROAD APPROACHES, WORK DURATION, AND THE TYPE OF WORK ACTIVITY, BEFORE DECIDING ON A TRAFFIC CONTROL PLAN.
4. AFTER THE TRAFFIC CONTROL PLAN IS IMPLEMENTED, THE SUPERVISOR (I.E., THE PERSON(S) SUPERVISING THE ACTUAL WORK TASK(S) FOR WHICH THE TCP WAS IMPLEMENTED) MUST DRIVE THROUGH THE WORK AREA, AT THE ANTICIPATED SPEED OF THE MOTORISTS, TO DETERMINE THE EFFECTIVENESS OF THE PLAN AND MAKE ADJUSTMENTS AS APPROPRIATE. ADDITIONAL REVIEWS THROUGHOUT THE WORK SHIFT ARE RECOMMENDED TO ENSURE THAT TRAFFIC CONTROL DEVICES REMAIN IN PLACE. IT IS IMPORTANT FOR WORK OCCURRING DURING NIGHTTIME HOURS THAT THE DEVICES ARE REVIEWED TO ENSURE PROPER VISIBILITY.
5. WHENEVER THE TEMPORARY TRAFFIC CONTROL ZONE EXTENDS MORE THAN 2 MILES FROM THE FIRST ADVANCE WARNING SIGN, THE DEVICES NEED TO BE MOVED FORWARD IN ORDER TO MAINTAIN APPROPRIATE ADVANCE WARNING TO DRIVERS, ESPECIALLY IN URBAN AREAS WITH MULTIPLE INTERCHANGE RAMP.
6. PLAN AHEAD FOR MANPOWER, EQUIPMENT, AND MATERIALS (SUCH AS SIGNS, CHANNELIZING DEVICES, PAVEMENT MARKING MATERIALS, ETC.) NEEDED FOR TRAFFIC CONTROL TO ADDRESS YOUR PLANNED WORK OPERATION AND WHENEVER POSSIBLE LOOK FOR OPPORTUNITIES TO COMBINE MULTIPLE WORK OPERATIONS WITHIN A TEMPORARY TRAFFIC CONTROL ZONE WITH THE AID OF THE REGION WORK ZONE DATABASE TO MINIMIZE IMPACT TO DRIVERS AND FOR MAXIMUM EFFICIENCY. THIS MAY INCLUDE REGION WIDE AND STATEWIDE CREWS THAT MAY HAVE A NEED TO WORK WITHIN YOUR MAINTENANCE AREA.
7. THE DISTANCES SHOWN ON THE TRAFFIC CONTROL PLANS ARE DESIRABLE MINIMUM REQUIREMENTS. DEVICE SPACING, BUFFER SPACE, AND SIGN SPACING MIGHT REQUIRE ADJUSTMENTS TO PROVIDE FOR SITE CONDITIONS SUCH AS DRIVEWAYS.
8. TRAFFIC CONTROL DEVICES ARE USED TO VISUALLY GUIDE DRIVERS THROUGH WORK ZONES. SIGNING, CHANNELIZING DEVICES, ARROW BOARDS, AND WARNING BEACONS ALL PROVIDE A MESSAGE TO THE DRIVER. WORK ZONE CREDIBILITY IS ESTABLISHED THROUGH THE PROPER AND CONSISTENT USE OF THESE DEVICES TO SEND CORRECT MESSAGES TO DRIVERS. POOR WORK ZONE CREDIBILITY HAS A DIRECT, NEGATIVE IMPACT ON WORK ZONE SAFETY BY CAUSING DRIVER CONFUSION, FRUSTRATION, AND DISRESPECT.
9. TRAFFIC DELAYS DUE TO WORK ZONE OPERATIONS MUST BE ANTICIPATED AND ADDRESSED APPROPRIATELY. EXCESSIVE DELAYS CONTRIBUTE TO WORK ZONE INCIDENTS OF ROAD RAGE OR CRASHES. TRAFFIC CAPACITY ISSUES MUST BE ADDRESSED WITH THE REGION TRAFFIC OFFICE PRIOR TO STARTING WORK. TRAFFIC SHOULD NOT BE ALLOWED TO BACK UP PAST THE ADVANCE WARNING SIGNS. SIGN LOCATIONS MAY NEED TO BE ADJUSTED TO FIT ACTUAL SITE CONDITIONS OR ADDITIONAL SIGNS ADDED TO THE SEQUENCE. USE OF ADVANCE WARNING SIGNS SUCH AS PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ARE RECOMMENDED.
10. TRAFFIC CONTROL DEVICES TO BE REMOVED AT END OF EACH WORK SHIFT.
11. NOTIFY BUS TRANSPORTATION SERVICE OF ANY CLOSURES.
12. MAINTAIN DRIVEWAY ACCESS TO BUSINESSES AT ALL TIMES.
13. REFER TO PENNDOT PUB 236 FOR SIGN SIZES

**CHELTENHAM AVE**

ROAD NAME PLAQUE 30" X 18"  
ABOVE ALL TRAILBLAZERS  
AND ON DETOUR AHEAD SIGNS



Sign Spacing Chart

Condition	Distance			
	A	B	C	F
Urban 35 MPH or less	100	100	100	100
Urban Greater than 35 MPH	350	350	350	350
Rural	500	500	500	500

When multiple distance plaques are used on advance warning signs, they shall all be of the same series type.  
Example: either all "AHEAD" or XXX FEET.

**Taper Length Formulas**

S	L
40 MPH or less	$L = \frac{WS^2}{60}$
45 MPH or more	$L = WS$

S = Regulatory Speed Limit  
W = Width of Offset  
L = Length

Distance and Spacing Quick Reference Chart

Speed MPH	W	L	1/2L			1/3L			Min. Channelizing Devices Per Taper Type (Length)			D	E	H	
			Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet				
25	10	105	55	35	6	6	6	6	6	6	50	155	150		
			60	40	6	6	6	6	6	6	60	200	150		
			65	45	6	6	6	6	6	6	60	200	150		
30	10	150	75	50	6	6	6	6	6	6	60	200	150		
			80	60	6	6	6	6	6	6	60	200	150		
			85	65	6	6	6	6	6	6	60	200	150		
35	10	225	115	75	6	6	6	6	6	6	70	250	150		
			120	80	6	6	6	6	6	6	6	70	250	150	
			125	85	6	6	6	6	6	6	6	6	70	250	150
40	10	295	150	100	6	6	6	6	6	6	80	305	150		
			160	110	6	6	6	6	6	6	6	80	305	150	
			165	115	6	6	6	6	6	6	6	6	80	305	150
45	10	450	225	150	6	6	6	6	6	6	90	360	150		
			240	160	6	6	6	6	6	6	6	6	90	360	150
			245	165	6	6	6	6	6	6	6	6	6	90	360
50	10	560	250	170	6	6	6	6	6	6	100	425	250		
			275	185	6	6	6	6	6	6	6	6	100	425	250
			280	190	6	6	6	6	6	6	6	6	6	100	425
55	10	605	305	205	6	6	6	6	6	6	110	495	250		
			310	210	6	6	6	6	6	6	6	6	110	495	250
			315	215	6	6	6	6	6	6	6	6	6	110	495

Note: Channelizing devices used in taper shall be equally spaced at 1/2 D Max.



60X66 SIGN SHALL BE PLACED ABOVE BARRICADE

THE CONTRACTOR IS REQUIRED TO SUBMIT A ROAD RESTRICTION FORM TO THE DISTRICT 6-0 PRESS OFFICE ONE WEEK IN ADVANCE OF ANY LANE CLOSURE AND TWO (2) WEEKS IN ADVANCE OF ANY FULL CLOSURE THAT NECESSITATE A DETOUR. THE FORM IS AVAILABLE ONLINE AT PennDOT Road Restriction Form (pa.gov) OR BY CALLING 610-205-6797.

THE CONTRACTOR MUST NOTIFY THE DISTRICT 6-0 REGIONAL TRAFFIC MANAGEMENT CENTER (RTMC) AT (610) 205-6934, FIFTEEN (15) MINUTES IN ADVANCE OF ANY PROPOSED LANE AND/OR SHOULDER RESTRICTION, ROAD CLOSURE, OR ANY OPERATIONS IMPEDING THE FLOW OF TRAFFIC. THE CONTRACTOR MUST NOTIFY THE RTMC WHEN ROAD IS RESTORED TO NORMAL OPERATION.

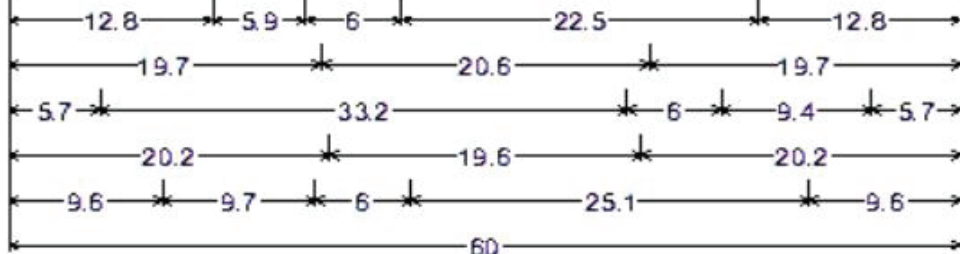
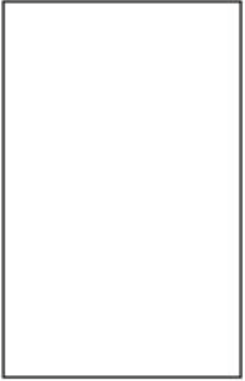
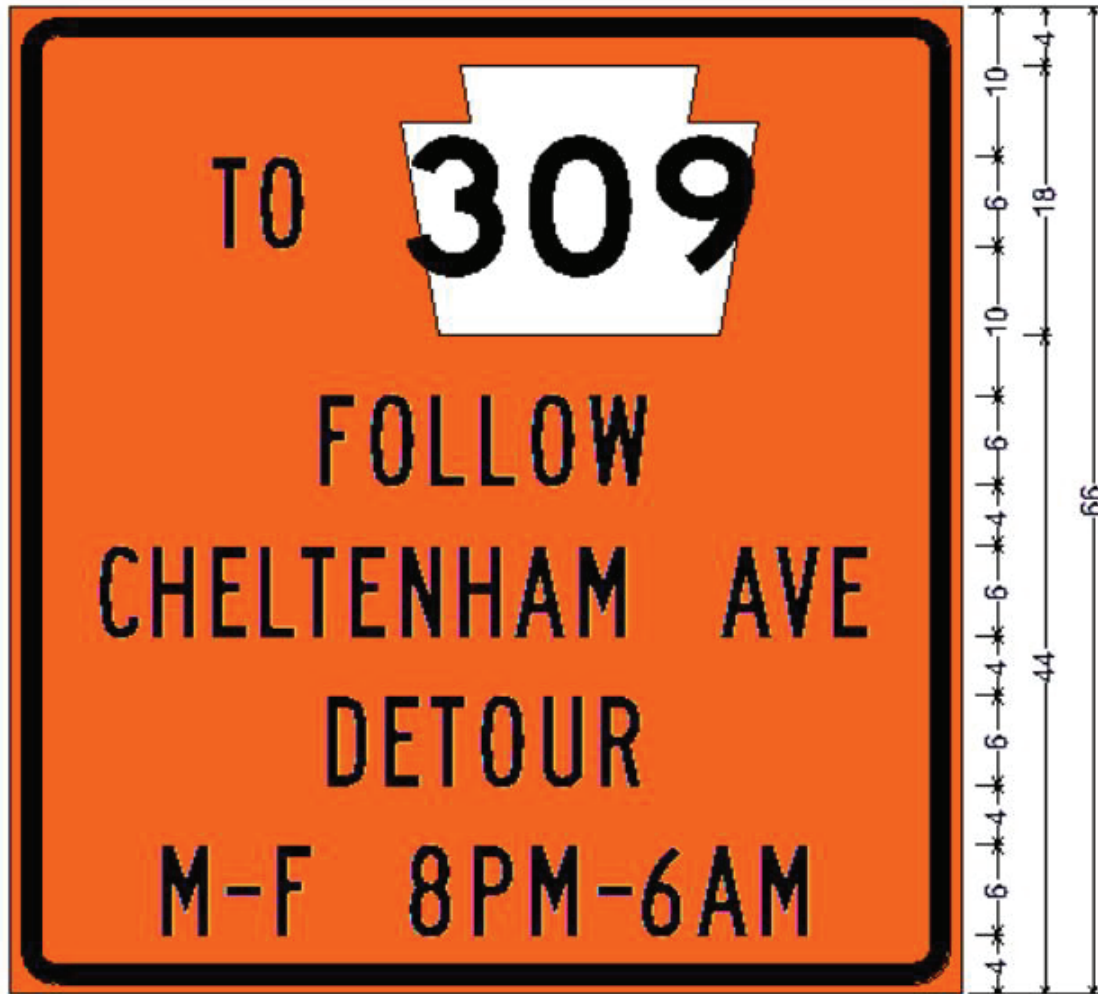
NOTIFY THE PROJECT REPRESENTATIVE AND THE DISTRICT HAULING PERMIT OFFICE 610-205-6787 IN WRITING VIA A COMPLETED M937R FORM, AT LEAST 14 DAYS BEFORE IMPLEMENTING OR CHANGING ANY LATERAL LANE RESTRICTION, WHICH PROVIDES LESS THAN 16 FEET OF PAVEMENT AND SHOULDER IN EACH DIRECTION FOR OVERSIZE VEHICLE. NOTIFY THE REPRESENTATIVE, IN WRITING, AT LEAST 7 DAYS BEFORE REMOVING THE RESTRICTION. INSTALL ADVANCE NOTICE OF CLOSURE SIGN "THIS ROAD TO BE CLOSED FOR CONSTRUCTION XX-XX-XXXX M-F 8PM-6AM" AS INDICATED ON THE TRAFFIC CONTROL PLANS. TWO (2) WEEKS PRIOR TO IMPLEMENTING A DETOUR. REMOVE WHEN WORK STARTS. THIS SIGN IS TO BE INSTALLED ON TYPE III BARRICADE.

Prepared by:  
  
Brian Feil  
WRIGHT TRAFFIC CONTROL.  
561 WALLACE RD  
Beaver FALLS, PA 15010



Traffic Control Plan

Sheet 2 of 4



3.0" Radius. 1.3" Border. 0.8" Indent. Black on. Orange:  
 "TO". B: 309: "FOLLOW". B: "CHELTENHAM". B: "AVE". B:  
 "DETOUR". B: "M-F". B: "8PM-6AM". B:

Table of widths and spaces

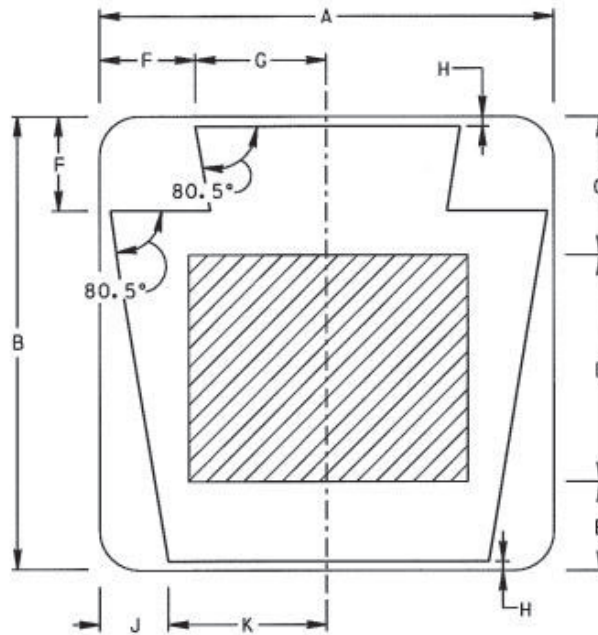
12.8	T	2.3	0.9	0	2.7	6.0	22.5	12.8																					
19.7	F	2.2	0.9	0	2.7	1.2	L	2.2	0.9	L	2.3	0.9	0	2.7	0.9	W	3.7	19.7											
5.7	C	2.6	0.9	H	2.5	1.1	E	2.3	0.9	L	2.2	0.3	T	2.3	0.9	E	2.2	0.9	N	2.5	1.2	H	2.5	0.9	A	3.2	0.9	M	2.9
6.0	A	3.2	0.3	Y	2.7	0.9	E	2.3	5.7																				
20.2	D	2.5	1.1	E	2.3	0.6	T	2.2	0.9	0	2.7	1.2	U	2.5	1.1	R	2.5	20.2											
9.6	M	2.9	1.2	-	2.2	1.1	F	2.3																					
6.0	S	2.5	1.5	P	2.6	1.1	M	2.9	1.1	-	2.2	0.6	6	2.6	1.0	A	3.2	0.9	M	2.9	9.6								

# M1-5

## PENNSYLVANIA ROUTE MARKER

(a) Justification. The Pennsylvania Route Marker (M1-5) shall be authorized for use to mark Pennsylvania traffic routes.

(b) Size. The standard size of M1-5 shall be 24" x 24" for one and two digit route numbers and 30" x 24" for three digit route numbers. The 36" x 36" size for one and two digit route numbers and the 45" x 36" size for three digit route numbers may be used on expressways and freeways.



MAKE "B" DIMENENSION 18" HIGH AND SCALE PROPORTIONATELY

DIMENSIONS - IN									
SIGN SIZE A x B	C	D	E	F	G	H	J	K	BLANK STD.
24" x 24"	5.4	12D	6.6	5	7	1	3.6	8.4	B3-24
30" x 24"	5.4	12D	6.6	5	10	1	3.6	11.4	B5-3024
36" x 36"	11	18D	7	7.6	10.4	1.4	5.2	12.8	B3-36
45" x 36"	11	18D	7	7.5	15	1.4	5.2	17.3	B5-4536

COLOR:

LEGEND AND BORDER:  
BLACK (NON-REFLECTORIZED)

BACKGROUND:  
WHITE (REFLECTORIZED)

APPROVED FOR THE SECRETARY OF TRANSPORTATION

By : Sen C Rome Date : 02-29-12  
Chief, Traffic Engineering and Permits Section  
Bureau of Maintenance and Operations