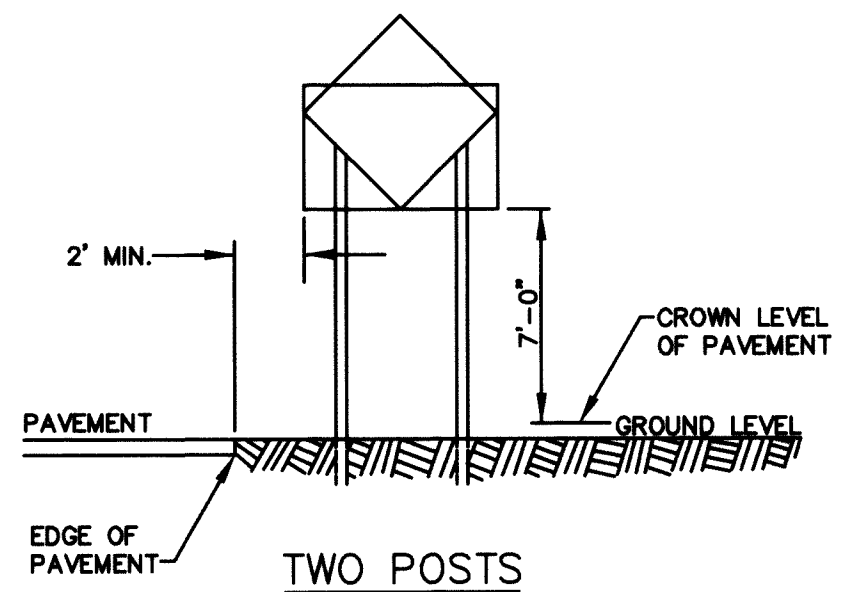
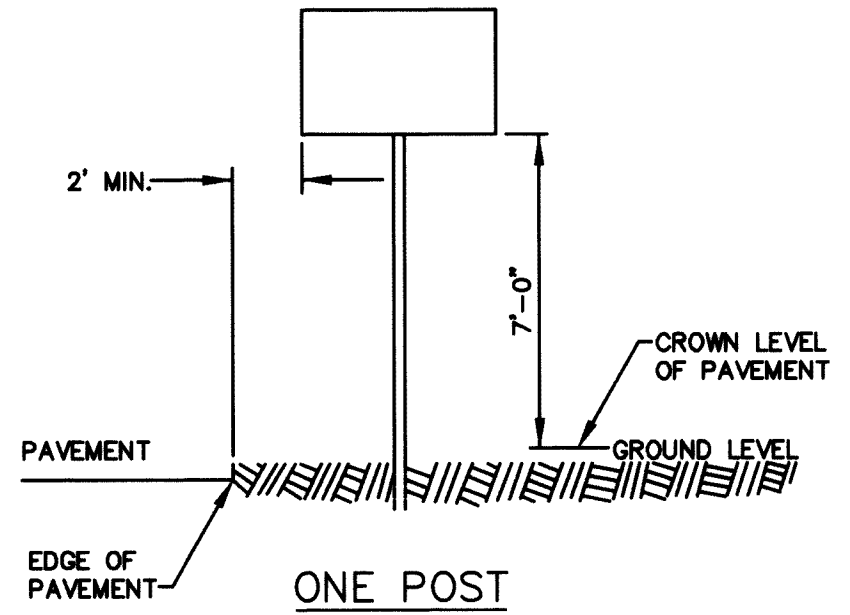
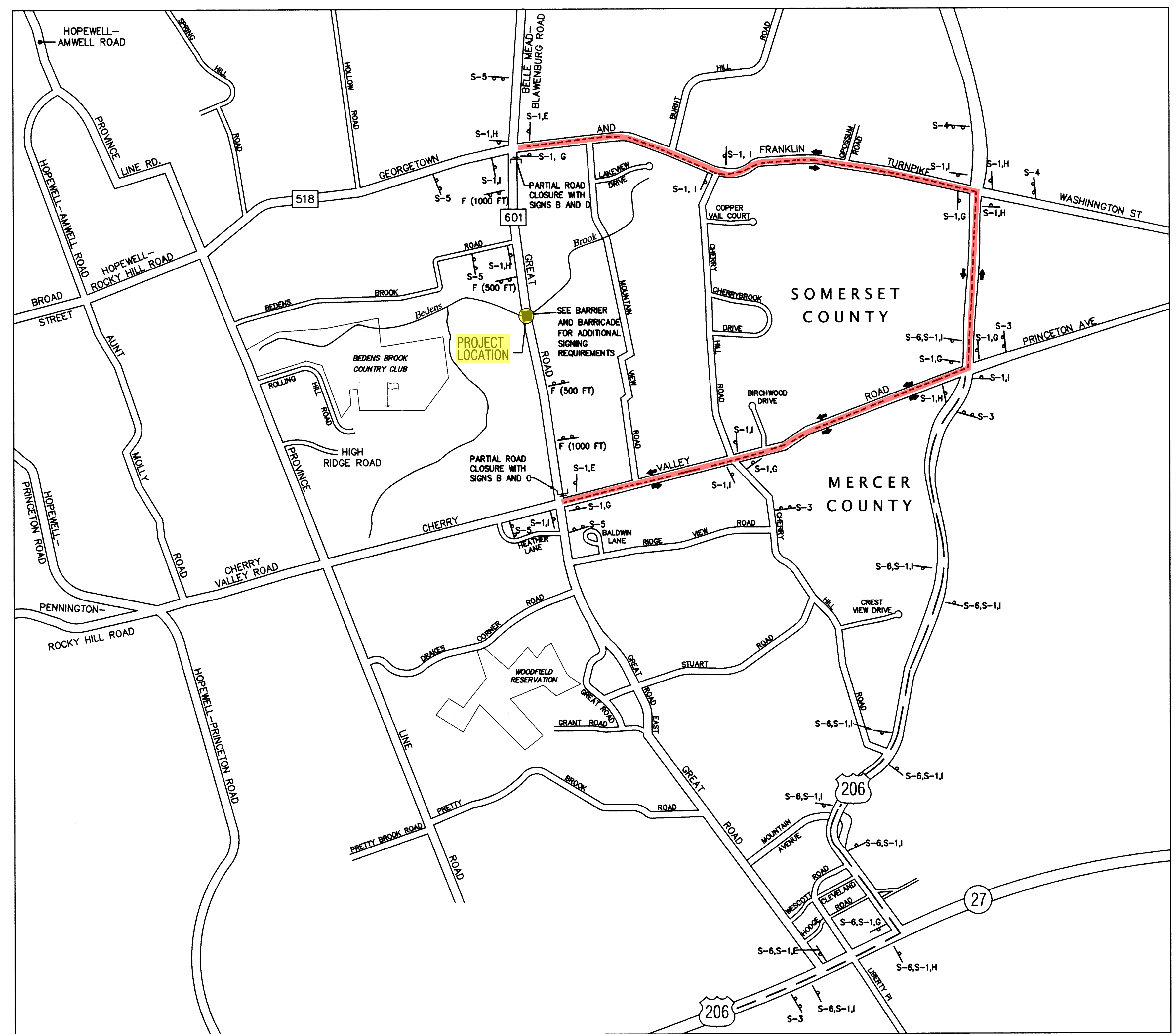
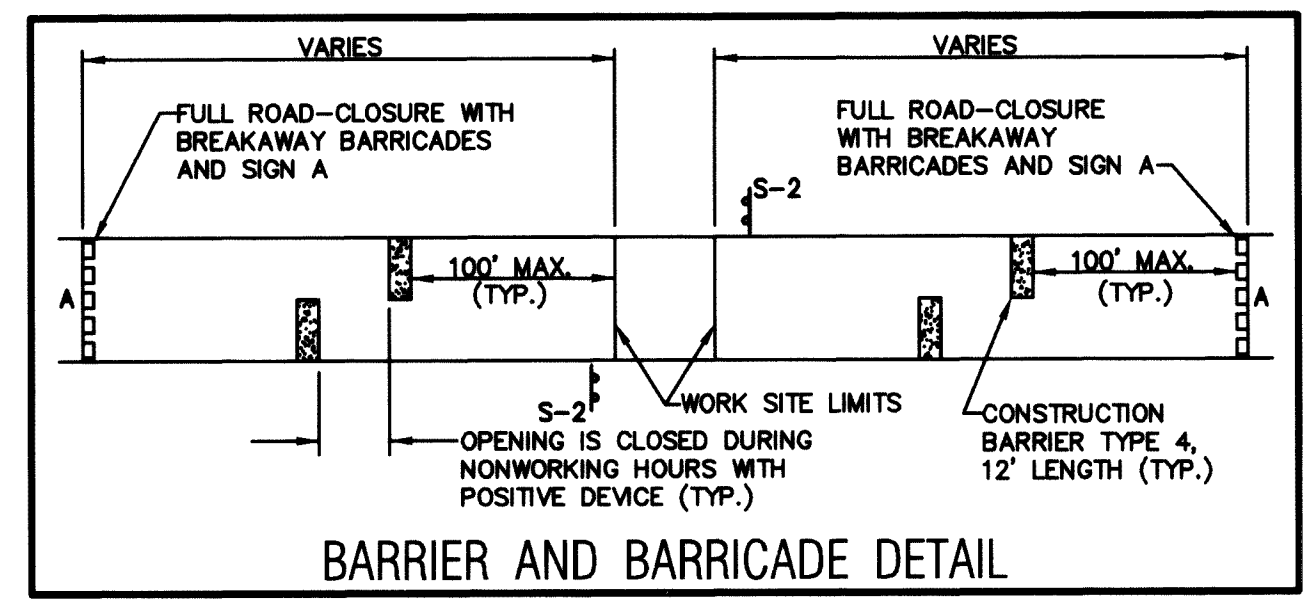




TYPICAL SIGN MOUNTING



NOTE
ALL CHANNEL SUPPORTS (PROPERLY PAINTED) SHALL BE STEEL CHANNEL POSTS EXCEPT WHERE WOODEN POSTS (OF ADEQUATE STRENGTH) ARE NEEDED TO SUPPORT LARGER SIGNS.



GENERAL NOTES

- SPECIAL SIGNS SHALL HAVE A BLACK MESSAGE OR ARROW ON A FLUORESCENT ORANGE RETROREFLECTIVE BACKGROUND AND SHALL BE FABRICATED FROM THE MATERIAL SPECIFIED IN THE CURRENT EDITION OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FROM NEW JERSEY'S DEPARTMENT OF TRANSPORTATION. FOR PROPER LETTER STROKE AND DESIGN, REFER TO THE CURRENT EDITION OF STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS FROM THE FEDERAL HIGHWAY ADMINISTRATION. SPACING BETWEEN WORDS IN A LINE, BETWEEN LINES OF A MESSAGE, AND BORDER REQUIREMENTS SHOULD BE DETERMINED BY GOOD SIGN-PAINTING PRACTICES.
- FOR MORE INFORMATION ABOUT STANDARD AND SPECIAL SIGNS, REFER TO THE CURRENT EDITIONS OF STANDARD HIGHWAY SIGNS AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, BOTH FROM THE FEDERAL HIGHWAY ADMINISTRATION.
- ONLY TYPE III BREAKAWAY BARRICADES THAT ARE NCHRP-350 COMPLIANT SHALL BE USED; WOODEN BARRICADES ARE NOT ALLOWED. IN ADDITION, FLASHING/STEADY WARNING LIGHTS SHALL NOT BE AFFIXED TO ANY SIGN OR BARRICADE. SEE CD-617-1 FOR DETAILS.
- THE ADVANCE WARNING SIGNS (SIGN S-2) ARE TO BE POSTED A MINIMUM OF TWO WEEKS PRIOR TO THE EFFECTIVE DATE OF THE DETOUR, AND ARE TO BE REMOVED AT THE START OF CONSTRUCTION.
- THE CONTRACTOR IS TO NOTIFY THE SOMERSET COUNTY ENGINEERING DEPARTMENT AT LEAST 48 HOURS PRIOR TO THE INSTALLATION OF DETOUR SIGNS.
- PRIOR TO COMMENCEMENT OF ROADWORK, VERIFY THAT ALL TRAFFIC CONTROL APPROVALS AND PERMITS REQUIRED FROM STATE, COUNTY, OR LOCAL AUTHORITIES HAVE BEEN OBTAINED. DO NOT PROCEED UNTIL ALL APPROVALS HAVE BEEN RECEIVED AND ACCEPTED.
- UNLESS NOTED OTHERWISE, ALL SIGNS AND BARRICADES SHALL BE FURNISHED BY THE CONTRACTOR AND PLACED AT THE LOCATIONS SHOWN ON THE PLANS AS DIRECTED BY THE ENGINEER. IF SO DIRECTED BY THE ENGINEER, AND AT THE UNIT PRICE BID, THE CONTRACTOR SHALL SUPPLY AND PLACE ADDITIONAL SIGNS AND BARRICADES.
- THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE LOCAL BOROUGH OR TOWNSHIP SHOULD THE NEED ARISE TO CLOSE A LOCAL ROAD.
- ALL TRAFFIC CONTROL DEVICES WHICH ARE LOCATED ON STATE RIGHT-OF-WAY SHALL ONLY BE INSTALLED AFTER THE CONTRACTOR HAS OBTAINED ALL THE REQUIRED PERMITS AND APPROVALS FROM THE STATE.
- IF APPLICABLE, THE CONTRACTOR SHALL STAGE CONSTRUCTION SO THAT ONLY ONE INTERSECTION IS CLOSED TO ALL VEHICULAR TRAFFIC AT ANY GIVEN TIME. SAFE PASSAGE IS TO BE PROVIDED TO ALL LOCAL TRAFFIC WITHIN THE PROJECT'S LIMITS, AND EMERGENCY VEHICLES SHALL HAVE ACCESS.
- WHERE A ROAD CONSTRUCTION AREA IS ADJACENT TO SIDEWALKS, ORANGE PLASTIC RETROREFLECTIVE CONSTRUCTION FENCING SHALL BE FOR PEDESTRIAN PROTECTION.
- ALL SIGNS SHALL BE LOCATED WITHIN THE TOWNSHIP, COUNTY OR STATE RIGHT-OF-WAY.
- THE CONTRACTOR IS DIRECTED TO NOTIFY THE MONTGOMERY, PRINCETON AND HOPEWELL TOWNSHIP POLICE AND FIRE DEPARTMENTS ONE WEEK PRIOR TO THE START OF CONSTRUCTION AND 24 HOURS PRIOR TO IMPLEMENTATION.
- POSITIVE CLOSURE SHALL BE MAINTAINED BETWEEN THE PRECAST CONCRETE CURBS DURING NONWORKING HOURS. THE CURB NEED NOT BE BOLTED DOWN. SEE NJDOT CD-159-4 FOR DETAILS.
- STREET NAME SIGNS (S-1) SHOULD BE PLACED ABOVE DETOUR SIGNS (M4-9) AS PER CURRENT MUTCD STANDARDS.

STANDARD SIGNS

SIGN	DESIGN	TYPE	SIZE	MOUNT	NO. REQ.	TOTAL AREA
A	BRIDGE OUT	R11-2	48" x 30"	BARRICADE	2	20
B	ROAD CLOSED LOOK TRAFFIC ONLY	R11-3a	60" x 30"	BARRICADE	2	25
C	DETOUR	M4-10R	48" x 18"	BARRICADE	1	6
D	DETOUR	M4-10L	48" x 18"	BARRICADE	1	6
E	END DETOUR	M4-8a	30" x 24"	2 POSTS	3	15
F	ROAD CLOSED - FT	W20-3	48" x 48"	2 POSTS	4	64
G	DETOUR	M4-9R	30" x 24"	1 POST	7	35
H	DETOUR	M4-9L	30" x 24"	1 POST	6	30
I	DETOUR	M4-9S	30" x 24"	1 POST	16	80

SPECIAL SIGNS

SIGN	DESIGN	SIZE	MOUNT	NO. REQ.	TOTAL AREA
S-1	GREAT ROAD	30" x 10"	1 POST	32	66.7
S-2	ON OR ABOUT (DATE) THIS BRIDGE TO BE CLOSED PLAN ALT. ROUTE	60" x 36"	2 POSTS	2	30
S-3	GREAT ROAD (CR. 601) CLOSED TO NORTHBOUND TRAFFIC FOLLOW DETOUR	60" x 30"	2 POSTS	4	50
S-4	GREAT ROAD (CR. 601) CLOSED TO SOUTHBOUND TRAFFIC FOLLOW DETOUR	60" x 30"	2 POSTS	2	25
S-5	GREAT ROAD (CR. 601) CLOSED TO THRU TRAFFIC FOLLOW DETOUR	60" x 30"	2 POSTS	5	62.5
S-6	TRUCK ROUTE	24" x 18"	1 POST	11	33

CONSTRUCTION SIGN TOTAL 548.2

TO BE CONSTRUCTED	UNITS	QUANTITY
BREAKAWAY BARRICADE	UNIT	12
CONSTRUCTION SIGNS	SF	548.2
CONSTRUCTION BARRIER CURB	LF	48

LEGEND

- BREAKAWAY BARRICADE WITH SIGNS
- CONSTRUCTION SIGNS
- DIRECTION OF TRAFFIC
- DETOUR ROUTE
- WORK ZONE

Somerset County
ENGINEERING DEPARTMENT
SOMERVILLE NEW JERSEY
MATTHEW D. LOPER COUNTY ENGINEER

MATTHEW D. LOPER, P.E.
PROFESSIONAL ENGINEER N.J. LIC. NO. 24GE04748100

DETOUR AND TRAFFIC CONTROL PLAN

BRIDGE NO. D0105
GREAT ROAD
COUNTY ROUTE 601
MONTGOMERY TOWNSHIP

DESIGN BY	VO	DATE: 12/05/2018	SCALE	N.T.S.	SHEET NO.
CHKD BY	AM	DATE: 12/05/2018	FIELD WORK	N/A	17
DRAWN BY	VO	DATE: 12/05/2018	SK.	-	19
CHKD BY	AM	DATE: 12/05/2018	APPD BY	DLL	TRAFFIC/D0105