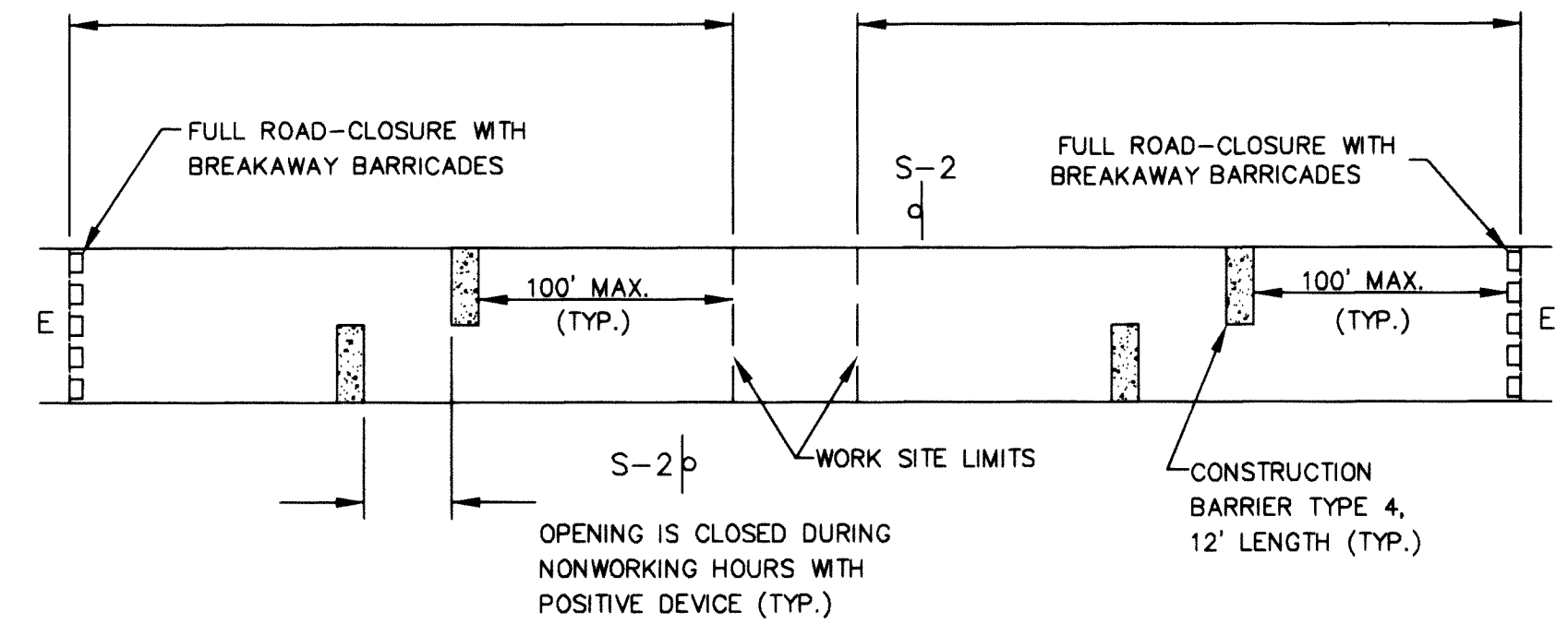


OVERALL DETOUR MAP
APPROX. SCALE: 1"=500'

STANDARD CONSTRUCTION SIGNS						
SIGN	DESIGN	TYPE	SIZE	MOUNT	NO. REQ.	TOTAL AREA
A		M4-9R	30" x 24"	SEE S-1 CONSTRUCTION SIGN REQS.	5	25
B		M4-9L	30" x 24"	SEE S-1 CONSTRUCTION SIGN REQS.	6	30
C		M4-9S	30" x 24"	SEE S-1 CONSTRUCTION SIGN REQS.	5	25
D		M4-8a	24" x 18"	SEE S-1 CONSTRUCTION SIGN REQS.	2	6
E		R11-2	48" x 30"	BARRICADE	2	20
F		W20-3	48" x 48"	2 POSTS	1	16
G		W20-3	48" x 48"	2 POSTS	2	32
H		W20-3	48" x 48"	2 POSTS	2	32
SPECIAL CONSTRUCTION SIGNS						
S-1			30" x 18"	1 POST	16	60
S-2			60" x 36"	2 POSTS	2	30
S-3			60" x 36"	2 POSTS	5	75
S-4			60" x 30"	2 POSTS	2	25
S-5			48" x 30"	2 POSTS	1	10
CONSTRUCTION SIGN TOTAL						386

LEGEND

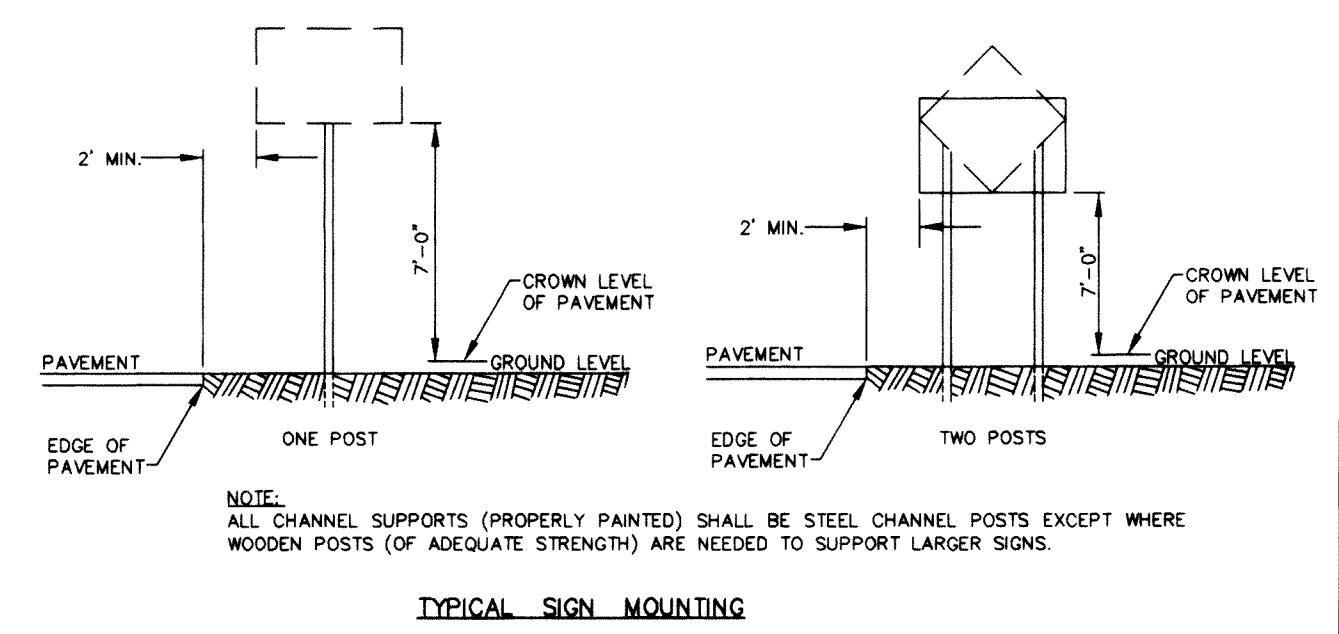
- CONSTRUCTION SIGNS
- DETOUR ROUTE
- BREAKAWAY BARRICADES WITH SIGNS
- DIRECTION OF TRAFFIC
- WORK ZONE



BARRIER AND BARRICADE DETAIL

NOTE: REFER TO NJDOT STANDARD ROADWAY CONSTRUCTION - TRAFFIC CONTROL - BRIDGE CONSTRUCTION DETAILS (2007) FOR DETAILS NOT SHOWN ON THESE PLANS.

- 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 PROPER SIGN-DESIGN PRACTICES.
 - FOR MORE INFORMATION ABOUT STANDARD AND SPECIAL SIGNS, REFER TO THE CURRENT EDITION 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. FLASHING/STEADY WARNING LIGHTS SHALL NOT BE AFFIXED TO ANY SIGN, DRUM OR BARRICADE. ALL SIGNS MOUNTED ON BARRICADES SHALL BE CONSTRUCTED OF LIGHT STOCK MATERIAL. SEE DETAIL.
 - THE ADVANCE WARNING SIGNS (SIGN S-2) ARE TO BE POSTED A MINIMUM OF TWO WEEKS PRIOR TO THE EFFECTIVE START DATE OF CONSTRUCTION.
 - THE CONTRACTOR IS TO NOTIFY THE SOMERSET COUNTY ENGINEERING DEPARTMENT AT LEAST 48 HOURS PRIOR TO THE INSTALLATION OF DETOUR SIGNS. ALL DETOUR SIGNS SHALL BE COVERED / BAGGED UNTIL ONE HOUR PRIOR TO THE BEGINNING OF THE DETOUR.
 - 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 OR 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.
 - 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.
 - 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.
 - ALL SIGNS SHALL BE LOCATED WITHIN THE TOWNSHIP, COUNTY OR STATE RIGHT-OF-WAY.
 - WHERE A ROAD CONSTRUCTION AREA IS ADJACENT TO SIDEWALKS, ORANGE PLASTIC RETROREFLECTIVE CONSTRUCTION FENCING SHALL BE USED FOR PEDESTRIAN PROTECTION.
 - THE CONTRACTOR SHALL NOTIFY THE MONTGOMERY TOWNSHIP POLICE AND FIRE DEPARTMENTS ONE WEEK PRIOR TO THE START OF CONSTRUCTION AND 24 HOURS PRIOR TO IMPLEMENTATION.
 - ALL SIGN LOCATIONS ARE APPROXIMATE.
 - POSITIVE CLOSURE SHALL BE MAINTAINED BETWEEN THE PRECAST CONCRETE CURBS DURING NON WORKING HOURS. THE CURB NEED NOT TO 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.



TYPICAL SIGN MOUNTING

TO BE CONSTRUCTED	UNITS	QUANTITY
BREAKAWAY BARRICADE	UNIT	12
CONSTRUCTION SIGNS	SF	386
CONSTRUCTION BARRIER CURB	LF	48

No.	DATE	REVISION

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

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

MLP

DETOUR AND TRAFFIC CONTROL PLAN

BRIDGE NO. E0304
HARLINGEN ROAD
MONTGOMERY TOWNSHIP

DESIGN	VO	DATE	SCALE	AS NOTED	SHEET No.
CHYD BY	AM	DATE 12/05/2018	SCALE	FLD. WK. BY	18
DRAWN BY	VO	DATE 12/05/2018	PK. ---	PG. ---	19
CHYD BY	AM	DATE 12/05/2018	APP'D BY	MOL	