



FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	0146001	19	92
BENNINGTON CONNECTOR S.H. 98-2				
P.I.N. 1306.60				
WHITEHOUSE BRIDGE - VERMONT STATE LINE S.H. 1426				
RENSSELAER COUNTY				

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

I. GENERAL MAINTENANCE AND PROTECTION OF TRAFFIC

- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 - MAINTENANCE AND PROTECTION OF TRAFFIC - OF THE NYS DOT STANDARD SPECIFICATIONS, THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (NYSMUTCD) AND ANY PROVISIONS CONTAINED IN THE PLANS AND/OR BID DOCUMENTS OF THIS CONTRACT. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL MEET THE REQUIREMENTS OF ITEM 619 AND AS DIRECTED BY THE RESIDENT ENGINEER.
- PRIOR TO THE START OF WORK, THE CONTRACTOR MUST SUBMIT ANY PROPOSED CHANGES TO THE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL. ANY CHANGE WHICH ALTERS THE BASIC CONCEPT OF THE PLAN MUST BE APPROVED BY THE THE NYS DOT REGIONAL DIRECTOR OR HIS DESIGNEE.
- THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS AND DETAILS ARE NOT INTENDED TO BE ALL INCLUSIVE, BUT RATHER SERVE AS A GUIDE FOR THE SAFE AND EFFICIENT SEQUENCE OF CONSTRUCTION OPERATIONS. ANY INCIDENTAL ADDITIONS OR REVISIONS TO THIS TRAFFIC CONTROL PLAN AS DIRECTED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01M - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC, OR THE APPROPRIATE PAY ITEM(S) AS APPLICABLE.
- THE TRAFFIC MAINTENANCE SCHEMES SHOWN IN SECTION 300 OF THE NYSMUTCD DESCRIBE THE MINIMAL METHODS AND CONTROL DEVICES NECESSARY. THE RESIDENT ENGINEER MAY ORDER ADDITIONAL DEVICES AND/OR METHODS TO MEET FIELD CONDITIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL DEVICES ORDERED.
- THE CORRECT SEQUENCE AND SPACING OF SIGNS, EITHER PERMANENT OR TEMPORARY, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE NYSMUTCD UNLESS SHOWN OTHERWISE ON THE PLANS. ALL SIGNS, INCLUDING GUIDE SIGNS, SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES AND SHALL BE COVERED, MOVED, REMOVED, OR CHANGED UNDER ITEM 619.01 M.
- ALTERNATE ONE-WAY TRAFFIC MAY BE MAINTAINED DURING WORKING HOURS. HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE TWO-UNOBSTRUCTED 3.3 m LANES FOR TWO-WAY TRAFFIC DURING NON-WORKING HOURS. FLAGGERS WILL BE REQUIRED TO USE RADIO OR SIMILAR CONTACT WHEN THEY ARE MAINTAINING ONE-WAY TRAFFIC WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF IN THE OPINION OF THE RESIDENT ENGINEER THIS COMMUNICATION IS NECESSARY. THE COST OF ANY RADIO OR FIELD TELEPHONES USED SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01M BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- IF THE RESIDENT ENGINEER NOTIFIES THE CONTRACTOR OR THE CONTRACTOR'S SUPERINTENDENT OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE RESIDENT ENGINEER BEFORE WORK IS RESUMED.
- THE CONTRACTOR SHOULD NOTE THAT BURIED UTILITIES EXIST WITHIN THE PROJECT LIMITS AND MAY BE ENCOUNTERED DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED TO AVOID DAMAGE TO THESE FACILITIES. ANY DAMAGE SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER AND TO THE OWNER OF THE FACILITY. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIRS.
- SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM INTERSECTING HIGHWAYS, HOMES AND COMMERCIAL ESTABLISHMENTS SHALL BE MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE RESIDENT ENGINEER. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01M - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- THE CONTRACTOR SHALL PROVIDE REVOLVING, FLASHING AMBER LIGHTS ON ALL CONSTRUCTION EQUIPMENT AND SUPERVISORY VEHICLES. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 619.01 M.
- THE CONTRACTOR SHALL BE REQUIRED TO ESTABLISH AN OFF-SITE DETOUR ROUTE AS SHOWN ON THE PLANS. THIS DETOUR SHALL BE EFFECTIVE THROUGH THE CONSTRUCTION OF PHASE 2 AND 3 (SEE DWG'S, CSP-3 THRU CSP-6). FOR DETAILS ON THE DETOUR SIGN TEXT DATA, SEE DWG'S, MPT-4 THRU MPT-6. THE MAXIMUM DURATION OF THIS DETOUR SHALL BE 2 WEEKS (4 CONSECUTIVE DAYS). THE LOCATION OF DETOUR SIGNS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO PLACEMENT.
- PRIOR TO ANY REDUCTION IN EXISTING LANE WIDTH(S) THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER TWENTY ONE (21) DAYS NOTICE SO HE/SHE MAY INFORM THE NYS DOT REGIONAL PERMIT ENGINEER OF THE WIDTH REDUCTIONS IN A TIMELY MANNER.

II. MAINTENANCE AND PROTECTION OF PEDESTRIANS AND BICYCLISTS

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT PEDESTRIAN AND BICYCLE TRAFFIC IS TO BE MAINTAINED ON S.H. 1426 THROUGH OR AROUND THE PROJECT FOR THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH SECTION 619 OF THE NYS DOT STANDARD SPECIFICATIONS. MATERIAL, EQUIPMENT, OR OTHER SUCH BARRIERS SHALL NOT BE PLACED OR PARKED SO AS TO OBSTRUCT PEDESTRIAN AND OR BICYCLE TRAFFIC OR PRESENT A SAFETY HAZARD TO THE NON-MOTORIZED PUBLIC.
- WHERE PEDESTRIAN TRAFFIC MUST BE RELOCATED OR REROUTED OFF THE EXISTING FACILITY, WALKWAYS SHALL BE CLEARLY MARKED AND HAVE A LOGICAL START AND TERMINUS. ALL WALK SURFACES AND GRADES SHALL BE IN COMPLIANCE WITH THE AMERICAN WITH DISABILITIES ACT OF 1991 AND SUBSEQUENT AMENDMENTS. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE BID PRICE OF ITEM 619.01M - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.

III. DELINEATION AND CHANNELIZATION

- SHORT-TERM PAVEMENT MARKINGS SHALL BE APPLIED PER SECTION 619 OF THE NYS DOT STANDARD SPECIFICATIONS AND SHALL CONFORM TO THE PROJECT'S PERMANENT MARKINGS WITH RESPECT TO COLOR AND PATTERN. PAYMENT SHALL BE BASED ON 100 mm LINE WIDTHS. PAYMENT WILL BE MADE UNDER ITEM 15619.1503 M SHORT-TERM PAVEMENT MARKINGS (UNDERLYING COURSE) AND ITEM 15619.1504 M SHORT-TERM PAVEMENT MARKINGS (TOP COURSE).
- ALL EXISTING PAVEMENT MARKINGS, INCLUDING ANY TEMPORARY MARKINGS APPLIED DURING THE COURSE OF WORK, WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN IN SUCH A WAY THAT THEY WILL MISLEAD OR MISDIRECT MOTORISTS SHALL BE REMOVED AS DIRECTED BY THE RESIDENT ENGINEER. GRINDING AND BLACK-OUT PAINT SHALL NOT BE ALLOWED ON FINAL PAVEMENT SURFACES OR ON EXISTING PAVEMENT NOT BEING REPLACED. PAYMENT FOR REMOVAL OF EXISTING PAVEMENT STRIPING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 M.

III. DELINEATION AND CHANNELIZATION (CONT.)

- THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE TRAVELED WAY AND AREAS ON WHICH IT IS UNSAFE TO TRAVEL. THE PROVISIONS FOR DELINEATION SHALL BE IN ACCORDANCE WITH SECTION 619-3.01G OF THE NYS DOT STANDARD SPECIFICATIONS - "CHANNELIZATION, DELINEATION, AND PAVEMENT EDGE DROP-OFF PROTECTION." THIS SECTION INDICATES MINIMUM DELINEATION REQUIREMENTS. ADDITIONAL DELINEATION MAY BE REQUIRED AS DIRECTED BY THE RESIDENT ENGINEER OR AS SHOWN ON THE PLANS. REFLECTORIZED PLASTIC DRUMS SHALL BE USED AT HAZARDOUS LOCATIONS DETERMINED BY THE RESIDENT ENGINEER. DRUMS SHALL REMAIN IN PLACE UNTIL SATISFACTORY PROTECTION IS PROVIDED. DRUMS SHALL BE SPACED AT A DISTANCE NOT TO EXCEED 6 m OR AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR MAY ELECT, AT NO ADDITIONAL COST TO THE STATE OF NEW YORK OR THE STATE OF VERMONT, TO INSTALL TEMPORARY CONCRETE BARRIER TO ELIMINATE DROP-OFFS OR HAZARD. PAYMENT FOR ALL DELINEATION AND DROP-OFF PROTECTION SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01M - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.

IV. CONSTRUCTION SIGNS

- DIAMOND-SHAPED ADVANCE WARNING SIGNS SHALL BE USED FOR ALL ADVANCE WARNING SIGNS SHOWN IN PART 238 OF THE NYSMUTCD. COLOR REQUIREMENTS SHALL BE BLACK TEXT ON ORANGE BACKGROUND. COLOR REQUIREMENTS FOR GUIDE SIGNS AND REGULATORY SIGNS USED FOR CONSTRUCTION SIGNING SHALL BE AS SPECIFIED IN THE NYSMUTCD FOR EACH SIGN, OR AS NOTED ON THE PLANS.
- LONGITUDINAL PLACEMENT OF CONSTRUCTION SIGNS SHALL BE AS SHOWN ON THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS, AND AS DIRECTED BY THE RESIDENT ENGINEER. LATERAL PLACEMENT OF CONSTRUCTION SIGNS SHALL BE SUCH THAT THE LATERAL CLEARANCE FROM THE EDGE OF TRAVEL LANE TO THE EDGE OF SIGN SHALL BE A MINIMUM OF 1.0 m, AS APPROVED BY THE RESIDENT ENGINEER. SIGNS SHALL BE PLACED TO PROVIDE OPTIMUM VISIBILITY. ALL TEMPORARY SIGNS NECESSARY FOR MAINTENANCE AND PROTECTION OF TRAFFIC AS NOTED IN THE PLANS, NYS DOT STANDARD SPECIFICATIONS, NYSMUTCD, OR AS DIRECTED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.02 M - CONSTRUCTION SIGNS.
- MOUNTING HEIGHT REQUIREMENTS FOR ALL LONG-DURATION CONSTRUCTION SIGNS SHALL BE 2.1 m MINIMUM MEASURED FROM THE GROUND SURFACE TO THE BOTTOM OF THE SIGN. SHORT DURATION CONSTRUCTION SIGNS SHALL BE MOUNTED AT A HEIGHT OF 1.5 m MINIMUM OR AS DIRECTED BY THE RESIDENT ENGINEER.
- IN ORDER TO MAINTAIN EFFECTIVE TRAFFIC CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE, MAKING SURE ALL SIGNS, CONES, FLASHERS, BARRELS, ETC. ARE IN PLACE AND IN GOOD CONDITION. THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARDS THE PROTECTION OF TRAFFIC AND PERSONNEL SHALL BE THE RESIDENT ENGINEER.
- DURING THE CONSTRUCTION SEQUENCING, SOME EXISTING SIGNS MAY REQUIRE LATERAL RELOCATION DUE TO PAVEMENT WIDENINGS. THE COST OF THESE RELOCATIONS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.02 M - CONSTRUCTION SIGNS.
- STOP/SLOW PADDLES USED AS SIGNALING DEVICES SHALL COMPLY WITH SECTION 293.2 OF THE NYSMUTCD.
- FIVE (5) SOLAR POWERED VARIABLE MESSAGE DISPLAY UNITS WILL BE USED TO INFORM MOTORISTS OF ROADWAY CLOSURES, NEW ROADWAY OPENINGS, AND OTHER TRAFFIC INFORMATION DEEMED NECESSARY BY THE RESIDENT ENGINEER. THE EXACT USAGE OF THE VARIABLE MESSAGE DISPLAY UNITS, APPROPRIATE LOCATIONS, AND MESSAGE TEXT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER AND THE REGIONAL TRAFFIC ENGINEER DURING THE COURSE OF CONSTRUCTION. THE DURATION OF USE AT EACH DESIGNATED LOCATION SHALL ALSO BE DETERMINED BY THESE INDIVIDUALS OR THEIR DESIGNEES. THE NYS DOT REGIONAL TRAFFIC ENGINEER AND NYS DOT REGIONAL PUBLIC INFORMATION OFFICER SHALL BE CONTACTED AT LEAST TWO WEEKS PRIOR TO ENACTING THE DETOUR. PAYMENT FOR THESE UNITS SHALL BE MADE UNDER ITEM 01619.2101M SOLAR PORTABLE VARIABLE MESSAGE SIGN - LED ENHANCED DISPLAY.

V. CONSTRUCTION ACTIVITIES

- NO MATERIAL IS TO BE STORED ON THE SHOULDER OR WITHIN THE CLEAR 9 m ROADSIDE AREA EXCEPT THAT WHICH IS TO BE PLACED THAT DAY WITH THE APPROVAL OF THE RESIDENT ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL BE REMOVED FROM THE ROADSIDE AREA OF ALL HIGHWAY PAVEMENT DURING THE HOURS THAT THE CONTRACTOR IS NOT WORKING. THIS REQUIREMENT SHALL NOT BE LIMITED TO THE CONTRACT LIMITS.
- CONTRACTOR VEHICLES NOT IN USE AND PRIVATE VEHICLES OWNED BY CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN THE ROADSIDE AREA, OR ANY OTHER LOCATION CONSIDERED BY THE RESIDENT ENGINEER TO BE A HAZARD. THIS REQUIREMENT IS NOT LIMITED TO THE CONTRACT LIMITS.
- ALL OPERATIONS INCLUDING PAVING, ROLLING, GRADING, SUPPLYING OF MATERIAL AND THE TRAVEL OF SUPERVISORY PERSONNEL THROUGH THE WORK ZONE, AND THE ENTIRE LENGTH OF THE CONTRACT, WILL ALWAYS BE IN THE DIRECTION OF NORMAL TRAFFIC EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE RESIDENT ENGINEER TO PERFORM A PARTICULAR OPERATION.
- ALL RECONSTRUCTION AREAS WHERE TRAFFIC IS TO BE MAINTAINED SHALL BE BACKFILLED TO GRADE AS DIRECTED BY THE RESIDENT ENGINEER, OR AS SPECIFIED IN SECTION 619 OF THE STANDARD SPECIFICATIONS, BEFORE THE END OF THE WORKING DAY.
- EXCAVATIONS MADE FOR THE INSTALLATION OF PIPES SHALL BE BACKFILLED AT THE CLOSE OF EACH DAY UNLESS OTHERWISE APPROVED BY THE RESIDENT ENGINEER.

V. CONSTRUCTION ACTIVITIES (CONT.)

- ALL UNEVEN TRANSVERSE PAVEMENT SURFACES (I.E. PAVEMENT REBATES, END OF PAVED SURFACES) SHALL BE POSTED WITH "BUMP" SIGNS (W4-1C) TO BE LOCATED AS DIRECTED BY THE RESIDENT ENGINEER. SIGNS SHALL BE PLACED ON TYPE III BARRICADES AND ILLUMINATED WITH A FLASHING BEACON. ALL PAVEMENT TRANSITIONS SHALL HAVE NO STEEPER THAN A 1 ON 4 LONGITUDINAL SLOPE AS MEASURED IN THE DIRECTION OF TRAVEL. WHEN TRAFFIC IS TO BE MAINTAINED ON AN UNPAVED SURFACE, A MINIMUM OF 300 mm OF SUBBASE MATERIAL (ITEM 304.11 M) SHALL FIRST BE PLACED AND COMPACTED. THE CONTRACTOR SHALL USE CALCIUM CHLORIDE (PRICE TO BE INCLUDED IN ITEM 619.01 M) AS A MEANS OF DUST CONTROL. "PAVEMENT ENDS" SIGNS (W4-3C) SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 234 OF THE NYSMUTCD IN ADVANCE OF ALL SUCH AREAS AS DIRECTED BY THE RESIDENT ENGINEER. THE COST FOR PROVIDING ALL "BUMP" AND "PAVEMENT ENDS" SIGNING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 M.
- ALL RECONSTRUCTION AREAS WHERE TRAFFIC IS TO BE MAINTAINED SHALL BE PAVED (EITHER PERMANENTLY OR TEMPORARILY) PRIOR TO SHUT DOWNS FOR WEEKENDS AND HOLIDAYS. TRAFFIC MAY BE MAINTAINED ON GRAVEL SURFACE DURING OFF-WORK HOURS DURING THE WORK-WEEK. WHEN TRAFFIC IS MAINTAINED ON GRAVEL SURFACE, CALCIUM CHLORIDE, AND/OR WATER, SHALL BE APPLIED AS A MEANS OF DUST CONTROL, AS DIRECTED BY THE RESIDENT ENGINEER. (PRICE TO BE INCLUDED IN ITEM 619.01M).
- SEE DWGS. CSP-1 THRU CSP-6 FOR CONSTRUCTION SEQUENCING NOTES AND DETAILS.
- THE CONTRACTOR SHALL SCHEDULE HIS CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE THE LENGTH OF TIME WHEN DROP-OFFS ADJACENT TO THE TRAVE LANE OCCUR.
- THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE AREAS ON WHICH IT IS UNSAFE TO TRAVEL.
- TABLE 619-1 SHOULD BE MODIFIED TO PROVIDE FOR THE FOLLOWING CHANGES: WHEN THE DROP-OFF IS GREATER THAN 450 mm WITH AN ANTICIPATED EXPOSURE TIME OF LESS THAN 7 DAYS, A CONTINUOUS DELINEATION CONSISTING OF 50 mm OR WIDER BRIGHTLY COLORED TAPE, RIBBON, OR OTHER FLEXIBLE MATERIAL, AS APPROVED BY THE RESIDENT ENGINEER, SHALL BE USED IN ADDITION TO THE INDIVIDUAL DELINEATORS SPACED NOT OVER 15 m APART.
- EXCAVATIONS THAT PRODUCE DROP-OFFS ON BOTH SIDES OF THE TRAVEL WAY AT THE SAME TIME SHALL BE PERMITTED. SHOULDER AREAS SHALL BE PREPARED TO RECEIVE THE SHOULDER PAVEMENT MATERIAL IMMEDIATELY AHEAD OF THE SHOULDER PAVING OPERATIONS TO MINIMIZE THE TIME DROP-OFFS EXIST. "NO SHOULDER" (W4-13C) SIGNS SHALL BE ERRECTED NO MORE THAN 400 m APART THROUGHOUT THE PROJECT WHERE A DROP-OFF EXISTS.
- THE CONTRACTOR SHALL PROVIDE AT LEAST ONE UNOBSTRUCTED 3.0 m WIDE TRAVEL LANE THROUGH ALL WORK ZONES AT ALL TIMES TO ALLOW FOR THE PASSAGE OF EMERGENCY VEHICLES.

MAINTENANCE AND PROTECTION OF TRAFFIC

SURVEYED BY	C.H.A. & V.S.E.	DATE	12/93
DESIGNED BY	D.W.E.	DATE	2/04
DRAWN BY	C.A.K.	DATE	2/04
CHECKED BY	T.P.K.	DATE	2/04
DESIGN FILE NO.	MPT-5.DGN		
PROJ. NAME	BENNINGTON - HOOSICK D.P.I. 0146(I) C/1		
PROJ. NO.	P.I.N. 1306.60		
SHEET 19 OF	92	DWG NO.	MPT-1