SECTION 1.08 - PROSECUTION AND PROGRESS

Article 1.08.04 - Limitation of Operations - Add the following:

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This is a SAMPLE specification that must be reviewed and revised appropriately for each project.

TIME RESTRICTIONS

In order to provide for traffic operations as outlined in the Special Provision "Maintenance and Protection of Traffic," the Contractor will not be allowed to perform any work that will interfere with existing traffic operations on all project roadways as follows:

ROUTE 15

On the following State observed Legal Holidays:
New Year's Day*
Good Friday, Easter***
Memorial Day*
Independence Day*
Labor Day*
Columbus Day
Thanksgiving Day**
Christmas Day*

A Holiday marked with an * also designates the following restrictions:

On the day before and the day after any of the above Legal Holidays.

On the Friday, Saturday and Sunday immediately preceding any of the above Holidays celebrated on a Monday.

On the Saturday, Sunday and Monday immediately following any of the above Holidays celebrated on a Friday.

** From 6:00 a.m. the Wednesday before the Holiday to 8:00 p.m. the Monday after the Holiday.

*** From 6:00 p.m. the Thursday before the Holiday to 8:00 p.m. the Monday after the Holiday.

In addition to the above limitations, the Contractor will not be allowed to perform any work that will interfere with existing traffic operations on Route I-95 on all weekends commencing at 12:01 p.m. Friday and ending at 12:01 a.m. Monday. This limitation will apply to all weekends between Memorial Day and Labor Day.

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This applies to projects on Route I-95.

During all other times
The Contractor shall maintain and protect traffic as shown on the accompanying "Limitation of Operations" charts, which dictate the minimum number of lanes that must remain open for each day of the week.

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The Limitations of Operations charts should be included on the page(s) that follows this statement.

The Contractor will be allowed to halt Route 15 traffic for a period not to exceed ten minutes to perform necessary work as approved by the Engineer from 12:01 a.m. to 5:00 a.m. on all non-Holiday days.

ROUTE 15 NORTHBOUND OFF-RAMP

The Contractor will not be allowed to perform any work that will interfere with the existing number of lanes of traffic, including turning lanes at intersections, on:

Monday through Friday between 6:00 a.m. and 9:00 a.m. & between 3:00 p.m. and 7:00 p.m.
Saturday and Sunday between 10:00 a.m. and 9:00 p.m.
The day before Thanksgiving through January 8

During stage construction, the existing number of lanes of traffic will be considered to be the number of lanes shown on the Maintenance and Protection of Traffic Plans contained in the contract plans.

ROUTE 15 SOUTHBOUND OFF-RAMP

The Contractor will not be allowed to perform any work that will interfere with the existing number of lanes of traffic, including turning lanes at intersections, on:

Monday through Friday between 6:00 a.m. and 8:00 p.m.
Saturday and Sunday between 10:00 a.m. and 9:00 p.m.
The day before Thanksgiving through January 8

During stage construction, the existing number of lanes of traffic will be considered to be the number of lanes shown on the Maintenance and Protection of Traffic Plans contained in the contract plans.

ROUTE 15 ON-RAMPS

The Contractor will not be allowed to perform any work that will interfere with existing traffic operations on:

Monday through Friday between 6:00 a.m. and 9:00 a.m. & between 3:00 p.m. and 6:00 p.m.
Saturday and Sunday between 10:00 a.m. and 9:00 p.m.
The day before Thanksgiving through January 8

During stage construction, existing traffic operations will be considered to be as shown on the Maintenance and Protection of Traffic Plans contained in the contract plans.

ROUTE 111 AND MAIN STREET

The Contractor will not be allowed to perform any work that will interfere with the existing number of lanes of traffic, including turning lanes at intersections, on:

Monday through Friday between 6:00 a.m. and 9:00 a.m. & between 3:00 p.m. and 8:00 p.m.

Saturday and Sunday between 10:00 a.m. and 9:00 p.m.
The day before Thanksgiving through January 8

During stage construction, the existing number of lanes of traffic will be considered to be the number of lanes shown on the Maintenance and Protection of Traffic Plans contained in the contract plans.

The Contractor will not be allowed to perform any work that will interfere with one lane of through traffic in each direction and a 100 foot left-turn lane on Route 111 northbound for the Route 15 southbound on-ramp on Monday through Friday between 9:00 a.m. and 3:00 p.m. and between 8:00 p.m. and 10:00 p.m.

The Contractor will be allowed to halt Route 111 and Main Street traffic for a period of time not to exceed ten minutes to perform necessary work as approved by the Engineer on:
Monday through Friday between 10:00 p.m. and 6:00 a.m.
Saturday and Sunday between 9:00 p.m. and 9:00 a.m.

ROUTE 6 (from Project Nos. 1-102, 30-93)

The Contractor shall not be allowed to perform any work that will interfere with one lane of through traffic in each direction, and turning lanes at intersections, on:
Monday through Friday between 6:00 a.m. and 9:00 a.m. and between 3:00 p.m. and 6:00 p.m.

On Saturday and Sunday between 10:00 a.m. and 8:00 p.m.

Full Depth Reconstruction of Route 6

(Route 6 from sta. 101+780 to sta. 102+160 in Project No. 30-93)
During the allowable period, the Contractor shall excavate a reasonable length of existing roadway full width and install permanent processed aggregate base to the permanent locations and elevations as shown on the cross sections. The full width of the roadway shall be constructed during each allowable period. The Contractor shall provide the supporting processed aggregate base for the number of lanes and the prescribed widths as dictated in the Special Provision "Maintenance and Protection of Traffic".

All temporary connections to abutting driveways and existing roadways must be accomplished in a satisfactory manner prior to the end of the work day/night. Excavation and installation of processed aggregate base must be accomplished full width for the proposed roadway.

On the next to last day of the work week, the Contractor shall ensure that all processed aggregate base work has been completed from the previous three workdays and ready for the placement of the first course of bituminous concrete pavement.

On the last day of the workweek (usually considered to be Friday), the Contractor shall install a sufficient number of intermediate courses of bituminous concrete pavement for that length of roadway that was prepared during the past four workdays. The final course of pavement shall not be installed at this time. Temporary pavement markings shall be installed on the

intermediate course of bituminous concrete pavement mentioned above in accordance with Article 9.71.03 as contained in the Special Provision "Maintenance and Protection of Traffic".

When the installation of all the intermediate courses of bituminous concrete pavement is completed for an entire roadway, the Contractor shall install the final course of bituminous concrete pavement. Final pavement markings shall be installed on the final course of bituminous concrete pavement in accordance with Article 9.71.03 as contained in the Special Provision "Maintenance and Protection of Traffic".

MELOY ROAD #1 (from Project No. 156-157)

The Contractor will not be allowed to perform any work that will interfere with the existing number of lanes of traffic, including turning lanes at intersections, on:

Monday through Friday between 6:00 a.m. and 9:00 a.m. & between 3:00 p.m. and 7:00 p.m.
Saturday and Sunday between 10:00 a.m. and 9:00 p.m.

During stage construction Stages 7, 8 and 9, the existing number of lanes of traffic on Meloy Road #1 will be considered to be the number of lanes shown on the Maintenance and Protection of Traffic Plans contained in the contract plans.

The Contractor will be allowed to close Meloy Road #1 between Route 162 and Claudia Drive to through traffic and detour traffic in accordance with the Meloy Road #1 Detour Plan contained in the "Maintenance and Protection of Traffic" Special Provision. The duration of the detour shall not exceed three days and the closure shall take place during a non-Holiday week. The Contractor shall install bituminous concrete pavement on Meloy Road #1 between Route 162 and the limit of construction prior to opening Meloy Road #1 to traffic.

The Contractor shall notify the Engineer at least 14 days in advance of the start of the Meloy Road #1 closure.

ALL OTHER ROADWAYS

The Contractor will not be allowed to perform any work that will interfere with one lane of through traffic in each direction and turning lanes at intersections on Monday through Friday between 6:00 a.m. and 9:00 a.m. and between 3:00 p.m. and 6:00 p.m.

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STAGE CONSTRUCTION

Stage Construction of Bridge No. 00748 (Route 111 and Main Street Over Route 15)

The Contractor shall stage construct this structure in accordance with the Stage Construction Cross Sections contained in the Structure Plans.

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CONCRETE SLAB REPAIRS

During the allowable periods, when the Contractor is actively working on the repair of the concrete slabs, the Contractor will be allowed to close the adjacent lane(s) to provide a buffer zone between the work area and the travel lane, as long as the Contractor maintains the minimum number of lanes as specified in the Limitation of Operations charts. If this results in the closure of all lanes, then the Contractor shall maintain one lane of traffic in the shoulder and a portion of the right lane on a travelpath not less than 12' in width. The buffer zone(s) will only be allowed while the Contractor is actively working. The buffer zone(s) will not be allowed during the concrete curing time.

If a concrete replacement slab cannot be installed in the same allowable period as the old slab was removed, the Contractor shall place a temporary wood/concrete platform as described in the item "Concrete Pavement Replacement for Roadway (Full Depth)" in the excavated area until work resumes on the repair. The cost of this work shall be included in the unit price for "Concrete Pavement Replacement for Roadway (Full Depth)".

The Contractor shall clean and sweep the shoulder area of any foreign debris prior to its use as a travel lane. This work will be paid for under the appropriate item or as extra work.

BITUMINOUS CONCRETE MILLING AND CONCRETE PATCHING REQUIREMENTS

The Contractor will be allowed to mill up to one (1) mile of roadway at a time. The Contractor shall schedule the operations so that pavement milling and/or re-paving operations shall be full width across the roadway section at the end of a work day/work night.

A continuous concrete patching operation must be started the next working day after the milling operation is completed and performed on a continuous basis within the work week (minimum of five (5) working days per week, weather permitting, and only when possible within the allowable time frame as specified in the "Limitation of Operations" charts). Dedicated crews must be assigned to each work area. The Contractor shall provide separate, sufficient crews and equipment dedicated for each one (1) mile section of roadway, as approved by the Engineer. The Contractor shall include in the bid, provisions for sufficient crews, equipment, and material dedicated to accomplish the work for each section of roadway, and provide a backup contingency plan to meet the allowable "Limitations of Operations."

If after milling the bituminous overlay, the exposed surface of the concrete pavement is deemed by the Engineer to be unsafe for travel due to severe surface deterioration, the Contractor must immediately ensure a clear roadway, free from debris through sweeping, followed by patching the roadway as outlined in the Special Provision "ITEM #601192A - SURFACE PATCH".

After one mile of roadway pavement has been concrete patched, this area shall be resurfaced the next working day with Superpave 0.375 inch. Once one mile of repaired roadway pavement has been resurfaced, then the next one mile section can be milled and the continuous concrete patching operation performed as described herein. Traffic is not to be allowed on the Superpave 0.375 inch through the winter. The Contractor shall install the next lift (course) of Superpave

bituminous concrete within twenty (20) days after the completion of the installation of Superpave 0.375 inch on that one mile section of roadway.

The Contractor shall perform the concrete patching work, the milling of existing pavement, and the installation of the new bituminous concrete pavement in accordance with the Special Provisions as contained elsewhere in the contract documents.

It is recommended that the Contractor utilize the various lane closures that will be required for the above work to perform the required expansion joint work, whenever possible.

LANE CLOSURE RESTRICTIONS

It is anticipated that work on adjacent projects may be ongoing simultaneously with this project. The Contractor shall be aware of those projects so that coordination is maintained for proper traffic flow at all times on all project roadways and this coordination is acceptable to the Engineer.

The Contractor will not be allowed to perform any work that will interfere with existing traffic operations on an expressway when any other Contractor is restricting existing traffic operations on that expressway within one mile of a lane closure on this project unless the Contractors have coordinated the closure and this coordination is acceptable to the Engineer.

The Contractor will not be allowed to close a lane if a Contractor working on an adjacent project has the opposite lane closed unless there is at least a one mile clear area length where the entire roadway is open to traffic, measured from the end of the first work area to the beginning of the signing pattern for the next work area.

OTHER LIMITATIONS

The field installation of a signing pattern shall constitute interference with existing traffic operations and shall not be allowed except during the allowable periods.

If there is more than one alternating one-way traffic operation at one time, then there shall be at least one mile between signing patterns. **(from Project Nos. 1-102, 30-93)**

No roadway, with the exception of transition areas, shall be open to traffic unless the appropriate pavement markings have been installed. The transition areas shall have pavement markings applied immediately upon opening to traffic.

Longitudinal dropdowns greater than 3 inches will not be allowed during those periods when the maximum number of lanes of through traffic are required. The Contractor shall temporarily provide a 4:1 traversable slope of suitable material in those areas where a longitudinal dropdown exists. The cost of furnishing, installing and removing this material shall be included in the contract lump sum for "Maintenance and Protection of Traffic."

The Contractor shall schedule operations so that pavement removal and roadway resurfacing shall be completed full width across a roadway (bridge) section by the end of a workday (worknight). All

transverse height differentials on all roadway surfaces shall be tapered to negate any "bump" to traffic as specified elsewhere in this contract or as approved by the Engineer. Material for this taper shall be as approved by the Engineer.

The Contractor will not be allowed to laterally cross any expressway with construction vehicles. Construction vehicles shall merge with the mainline traffic flow and utilize existing interchanges.

All temporary concrete barriers, other protective systems and traffic control devices as called for by the contract or ordered by the Engineer must be on-hand and available in sufficient quantity for immediate installation prior to any stage change.

OVERHEAD SIGN WORK

The Contractor, during the course of active construction work on any overhead sign removal or installation, shall close the lane or lanes directly below the work area for the entire length of time that the overhead work is being undertaken. At no time shall an overhead sign be left partially removed or partially installed.

If applicable, when an existing sign is removed, it shall be either relocated or replaced by a new sign during the same working day.

CONTRACTOR'S USE OF STATE SERVICE AREAS

If permission is granted to the Contractor to utilize a State Service Area as a storage area for either construction equipment or materials, the Contractor shall conform to the following:

1. After hours and weekend parking of construction equipment will not be allowed in landscaped areas which will cause damage to said areas. Also, equipment shall not be parked in locations within the Service Area which will cause sight line restrictions for motorists entering or exiting the Service Area.

2. The Contractor will not be allowed to stockpile any material other than that material which is permitted in an Agreement that is required between the State of Connecticut and the Contractor. The storage of unacceptable material such as construction debris, hazardous material, old truck batteries, abandoned construction vehicles, etc. will not be allowed.

3. The Contractor shall restore those areas of the Service Area in accordance with the provisions as contained in Article 1.07.09 – Protection and Restoration of Property.

LOOP DETECTOR INSTALLATION

Loop detectors on exit ramps disturbed by milling operations shall be made operational within 24 hours of the termination of the existing loop detectors.