

ATTACHMENT A

IMPORTANT WORK RESTRICTIONS

DEVELOPED FOR ***CONSTRUCTION PLANNING***
DURING THE ***DESIGN PHASE***

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ATTACHMENT A – IMPORTANT WORK RESTRICTIONS




















MassDOT has developed the attached guide that demonstrates the standard calendars to be used on MassDOT Highway construction projects. MassDOT Highway construction projects should be scheduled according to the state and federal calendars, labor unions collective bargaining agreements (if applicable), environmental restrictions, and unfavorable weather conditions. In addition, each project may have its own limitations such as local restrictions, Coast Guard shutdown calendars, specific railroad limitations for construction, additional site specific environmental concerns, etc.

This guide demonstrates typical calendars to be used in the development of Construction Contract Time Determinations (CCTDs) and similar reports, as well as, presented in the Contractor's Construction Schedule Toolkit (CCST) for use in developing Contractor's construction schedules.

The Designer should ensure that the specific project requirements are represented, have been reviewed with MassDOT, noted in the specifications, and adjust in the CTD Schedule accordingly.

LIST OF CALENDARS

Calendars must be maintained at the Project Level.

Calendar Name
 Cal01-5d/8hr/12hol
 Cal02-6d/8hr/12hol
 Cal03-7d/8hr/12hol
 Cal03A-7d/8hr/No Holidays
 Cal04-7d/24hr/No Hol (Milestones)
 Cal05-MBTA Night/12hol
 Cal06-5d/8hr/12hol-Mjr Rdwy
 Cal07-6d/8hr/12hol-MjrRdwy
 Cal08-7d/8hr/12hol-Mjr Rdwy
 Cal10-Wntr Ineff 5d/12hol
 Cal11-Wntr Shut 5d/12hol
 Cal11A-Wntr Shut 5d/12hol-Mjr Rdwy
 Cal12-Paving 5d/12hol
 Cal12A-Paving 5d/12hol-Mjr Rdwy
 Cal13-Planting 5d/12hol - Evergreen
 Cal14-Planting 5d/12hol - Deciduous
 Cal15-Wtr Acc 1-5d/12hol
 Cal16-Wtr Acc 2-5d/12hol
 Cal17-Reclamation-5d/12hol

Calendar Descriptions

- Calendar 1, 2 & 3 are the typical 5, 6 or 7 daytime work schedules with holidays.
- Calendar 3A – 7d/8hr/No Holidays - is used for typical calendar-day dependent activities like Review and Approval of submissions by MassDOT.
- Calendar 4 is a 7d/24hr/No Holidays schedule that has no time restrictions, and is used for Milestones and Access Restraints, and also non-work time-dependent activities like curing of concrete.

- Calendar 5 is specifically for MBTA associated work at night
- Calendar Descriptions with “**Mjr Rdwy**” (Calendars 6, 7, 8, 11A & 12A) include the additional extended holiday work restrictions on Major Roadways leading up to or following Holiday weekends such as Thanksgiving week.
- Calendar 10 – Winter Ineff, 5d/12 Hol, is a calendar that simulates an inefficiency during the period of December 15th through March 15th. This calendar should only be used on activities that could be performed during the winter months, however, may be impacted by cold or snow weather events.
- Calendar 11 – Winter Shut 5D/12Hol, is a calendar used for activities that cannot be performed between December 1 and March 15.
- Calendar 12 – Paving 5d/12Hol, is a calendar that restricts work between November 15th and March 30th, when asphalt plants are typically off-line.
- The CST includes two “Planting” calendars (Calendars 13 & 14), one for Deciduous plantings, and one for Evergreen plantings.
- Calendar 15 & 16 are water access calendars for in-water related activities. Calendar 15 provides water access from June 1st to Sep 30th, and Calendar 16 restricts water access from April 15th to July 15th, and September 15th to October 31st due to fish migration. These calendars may need to be adjusted per each contracts specified in-water access restrictions.
- Calendar 17 – Reclamation – 5d/12hol, is a calendar that restricts Reclamation work between October 15th and April 15th.

Shift Work

If the design intent is to perform work outside the daytime work schedule (setup currently as 8am-4pm), Calendars should be modified and/or added to reflect the actual work periods, and any modifications or additions detailed in the CTD Narrative.

SEASONAL RESTRICTIONS

WINTER

- General
 - Typical winter weather restrictions are in place from Dec. 1st to March 15th
 - See Specification Section 8.03
- Concrete
 - Unless allowed with new Subsection 8.03 referenced above (i.e. expecting winter work and heat protection), no concrete placement, will occur between December 1 and March 15.
 - Although the Supplement Specifications do not specifically restrict the periods in which concrete shall be placed, the Spec does indicate that concrete cannot be placed during cold weather conditions:
 - See MassDOT Standard Specifications for Highways and Bridges
 - Reference: Per DOT winter shutdown periods, concrete placement is typically restricted between December 1 and March 15.
- Base Paving (HMA)
 - No base paving (HMA) placement will occur between November 15 and April 1.
 - Hot mix asphalt shall not be placed after November 15 or before April 1 without the written permission of the Engineer.
 - Reference: See MassDOT Standard Specifications for Highways and Bridges, 450.42 and 460.42
- Pave (OGFC)
 - No specific scheduling calendar has been created for this type of work.
 - No final paving placement (OGFC) will occur between after October 31 or before May 1.
 - OGFC mixtures shall not be placed after October 31 or before May 1 without the written permission of the Engineer.
 - Reference: See MassDOT Standard Specifications for Highways and Bridges, 450.42 and 460.42

- Reclamation Pavement
 - Calendar 17 was created for this type of work.
 - Reclamation operations shall not commence before April 15 and shall terminate on or before October 15 unless otherwise approved in writing by the Engineer
 - Reference: See MassDOT Standard Specifications for Highways and Bridges
- Other
 - No applying of waterproofing sealant or soil compaction will occur between December 1 and March 15.
 - Review all key material specifications and modify Special Provisions and CTD basis accordingly.

LANDSCAPING

- General Landscape Calendar
 - Sod, seeding, plantings, etc can occur during the Spring Season (April 15 to June 1) and Fall Season (August 15 to November 1).
 - Reference: See MassDOT Standard Specifications for Highways and Bridges, 770.61 and 771.61
- MassDOT Standard Specifications for Highways and Bridges, Section 771.60, Excerpt below:
 - Balled and burlapped plants may be planted in the spring until June 15 and in the fall from August 15 to November 1. No specific scheduling calendar has been created for this type of work.
 - Container grown plants may be planted at any time the ground is not frozen (provided specified minimum time of growth and root development has been met). No specific scheduling calendar has been created for this type of work.
 - Bare rooted plants shall be planted only from the time ground thaws in spring until May 15.
 - The seeding season for crownvetch shall be from April 15 to August 15. No specific scheduling calendar has been created for this type of work.
- MassDOT Standard Specifications for Highways and Bridges, Section 771.61, Excerpt below:
 - Delineates different planting seasons between deciduous and evergreen materials. However, for CTD purposes, the deciduous material calendar will be used.
- Please refer to the Contract Special Provisions for any additional Plantings and Landscaping restrictions.

WINTER INEFFICIENCY

- a. The weather impact on working efficiency during the winter is estimated according to the collected weather information from weather data from 2003 thru 2008. It is assumed that the project will be shut down in days with severe weather. Severe weather was defined as blowing snow, rain for more than 1 inch, daily temperature below 10 degrees, wind of more than 50 MPH, thunderstorm, and fogs that reduce visibility to less than ¼ miles.
- b. The historical data show that the number of days with severe weather on average is as follows:
 1. 1 day/week from December 15 to January 15,
 2. 2 days/week from January 16 to February 15,
 3. 1 day/week from February 16 to March 15.
- c. The relevant calendars for concrete and pavement have used the aforementioned data and have reduced number of working days per week.

ENVIRONMENT - WATER ACCESS

- Water Access - Low Flow
 - Water access is only allowed during the period of June 1 to September 30
 - The restriction applies to the installation of water control systems only. Once water control has been installed (coffer dams, etc) there are no restriction on the work that can occur in the dry conditions
 - Refer to individual project 404 DEP Environment Permit for restrictions

- Reference: Environmental Permit 404 and Per Kevin Walsh, 2/17/10
- Water Access - Fish Migration
 - Water access is NOT allowed during the period of April 1 to July 15th and from September 15 to October 31 to allow for fish migration periods.
 - The restriction applies to the installation of water control systems only. Once water control has been installed (coffer dams, etc) there are no restriction on the work that can occur in the dry conditions.
 - Reference: Environmental Permit 404 and Per Kevin Walsh, 2/17/10
- Water Access – ACOE
 - Refer to individual project 401 ACOE (Army Corp of Engineers) Environment Permit for restrictions
 - Other – Review all environmental permits and specifications and modify Special Provisions and CTD basis accordingly.

DISTRICT SPECIFIC CALENDARS

Due to the differing weather conditions between regions, District staff may require specific work restrictions. Please consult with your District scheduler regarding District specific calendar/restrictions.

LIST OF HOLIDAYS

The calendars that indicate “12 Hol” in the title include the 12 Massachusetts legal holidays, populated through the year 2040. These holidays are:

Holiday
New Year’s Day – January First**
Martin Luther King, Jr. Day – Third Monday in January
Washington’s Birthday – Third Monday in February
Patriots’ Day – Third Monday in April
Memorial Day – Last Monday in May
Juneteenth Independence Day – June 19 th **
Independence Day – July 4 th **
Labor Day – First Monday in September
Columbus Day – Second Monday in October
Veterans’ Day – November 11 th **
Thanksgiving Day – fourth Thursday in November
Christmas Day – December 25 th **

** If the Holiday falls on a Sunday, it will be observed on the following Monday, however, if the Holiday falls on a Saturday, it will be observed on Saturday.

STATE HOLIDAYS

The followings are 14 legal holidays in the State of Massachusetts, including two Suffolk County Only holidays:

- 1) New Year’s Day
- 2) Martin Luther King’s Birthday
- 3) President’s Day
- 4) Evacuation Day (Suffolk County only)
- 5) Patriot’s Day

- 6) Memorial Day
- 7) Bunker Hill Day (Suffolk County only)
- 8) Juneteenth Independence Day
- 9) Independence Day
- 10) Labor Day
- 11) Columbus Day
- 12) Veteran's Day
- 13) Thanksgiving Day
- 14) Christmas Day

FEDERAL HOLIDAYS

The followings are the 11 Federal holidays:

- 1) New Year's Day
- 2) Martin Luther King's Birthday
- 3) President's Day
- 4) Memorial Day
- 5) Juneteenth Independence Day
- 6) Independence Day
- 7) Labor Day
- 8) Columbus Day
- 9) Veteran's Day
- 10) Thanksgiving Day
- 11) Christmas Day

COLLECTIVE BARGAINING AGREEMENTS HOLIDAYS

The followings are 12 holidays considered in the Collective Bargaining Agreements of labor unions:

- 1) New Year's Day
- 2) Martin Luther King's Birthday
- 3) President's Day
- 4) Patriot's Day
- 5) Memorial Day
- 6) Juneteenth Independence Day (Optional)
- 7) Independence Day
- 8) Labor Day
- 9) Columbus Day
- 10) Veteran's Day
- 11) Thanksgiving Day
- 12) Christmas Day