

SP 7212-21 (TH 93) – CPM Schedule Assumptions

Date: 07.18.23

- Working Days calendar assumes a 6-day work week, Monday thru Saturday, with one day per week lost due to weather in all months except April and November. April and November lose two days per week to weather in the half months that work is allowed. No work between November 16th and April 15th.
- Additional weather duration is added to months April, May and June in two of the schedules. See attached 1803 table for amounts of additional weather.
- Bridge calendar assumes a 5-day work week, Monday thru Friday with a day lost for weather every two weeks from May thru October and a day lost per week in November, December, March and April. No work allowed in January and February.
- Assume new pipe replace old pipe in the same trench, or plug fill and abandon of inplace pipe not removed. Nothing in schedule for removal of existing pipe through new grade.
- 20,000 LF of wick drains per day, per rig.
- Excavation - Common is 3500 CY/day per crew.
- Common Embankment placement is 2000 CY/day per crew for majority of job. Reduces to 1000 CY/day per crew for grading levee
- Place SGE 2000 CY/day per crew
- Place Aggregate Base 1000 CY/day per crew
- Assume 75 LF/day for CL culvert installation per crew.
- 750 CY/day for shouldering per crew
- Levee cannot be constructed until after box culvert is installed.
- Assume two-full time grading crews – with additional assistance for pipe, box culverts and wick drains (more crews likely to be required in 2-year schedule scenario).

Trucks per grading crew for Common Embankment placement:

- Assume 2 rounds per hour per truck
- Assume 10 hour day
- Assume 11.5 CY (CV) per truck
- $2 \text{ rounds/hour} * 10 \text{ hours} * 11.5 \text{ CY/round} = 230 \text{ CY}$
- $2000 \text{ CY per crew} / 230 \text{ CY/ per day} = 8.7 \text{ trucks per crew per day}$ to meet 2000 CY per day production rate if all Common Embankment material is being hauled.