

# Cold Weather Paving HMA

2015  
WAPA Annual Meeting

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## 450.3.2.1 General

(1) Do not place asphaltic mixture when air temperature is less than 36 F for upper layers or 32 F for lower layers unless the engineer allows in writing. The contractor should place HMA pavement for projects on or north of STH 29 between May 1 and October 15 inclusive and for projects south of STH 29 between April 15 and November 1 inclusive.



## 450.5 Payment

(4) The contractor is responsible for the quality of HMA placed in cold weather.

(5) If because of an excusable compensable delay, the engineer directs the contractor to pave when the temperature is less than 36 F for the upper layer or less than 32 F for lower layers, the department:

- \* Will relieve the contractor for damage and defects the engineer attributes to cold weather paving.
- \* Will not assess disincentives for density or ride.



# 460.3.4 Cold Weather Paving

## 460.3.4.1 Cold Weather Paving Plan

(1) Submit a cold weather paving plan at the preconstruction meeting. Outline material, operational, and equipment changes for paving when the air temperature is less than 40 F.

Include the following:

- \*HMA mix design that uses a warm mix additive
- \*Do not use a foaming process that introduces water.
- \*Use additional rollers.

(2) Engineer written acceptance is required for the cold weather paving plan.



## 460.3.4.2 Cold Weather Paving Operations

- (1) Do not place asphaltic mixture when the air temperature is less than 40 F unless a valid engineer-accepted cold weather paving plan is in effect.
- (2) If the national weather service forecast predicts air temperature less than 40 F within the next 24 hours, follow the cold weather paving plan. Once in effect, pave conforming to the engineer-accepted cold weather paving plan for the balance of that work day or shift regardless of the temperature at the time of paving.



## 460.4 Measurement

(2) The department will measure HMA Cold Weather Paving by the ton of HMA mixture for pavement placed conforming to an engineer-accepted cold weather paving plan.



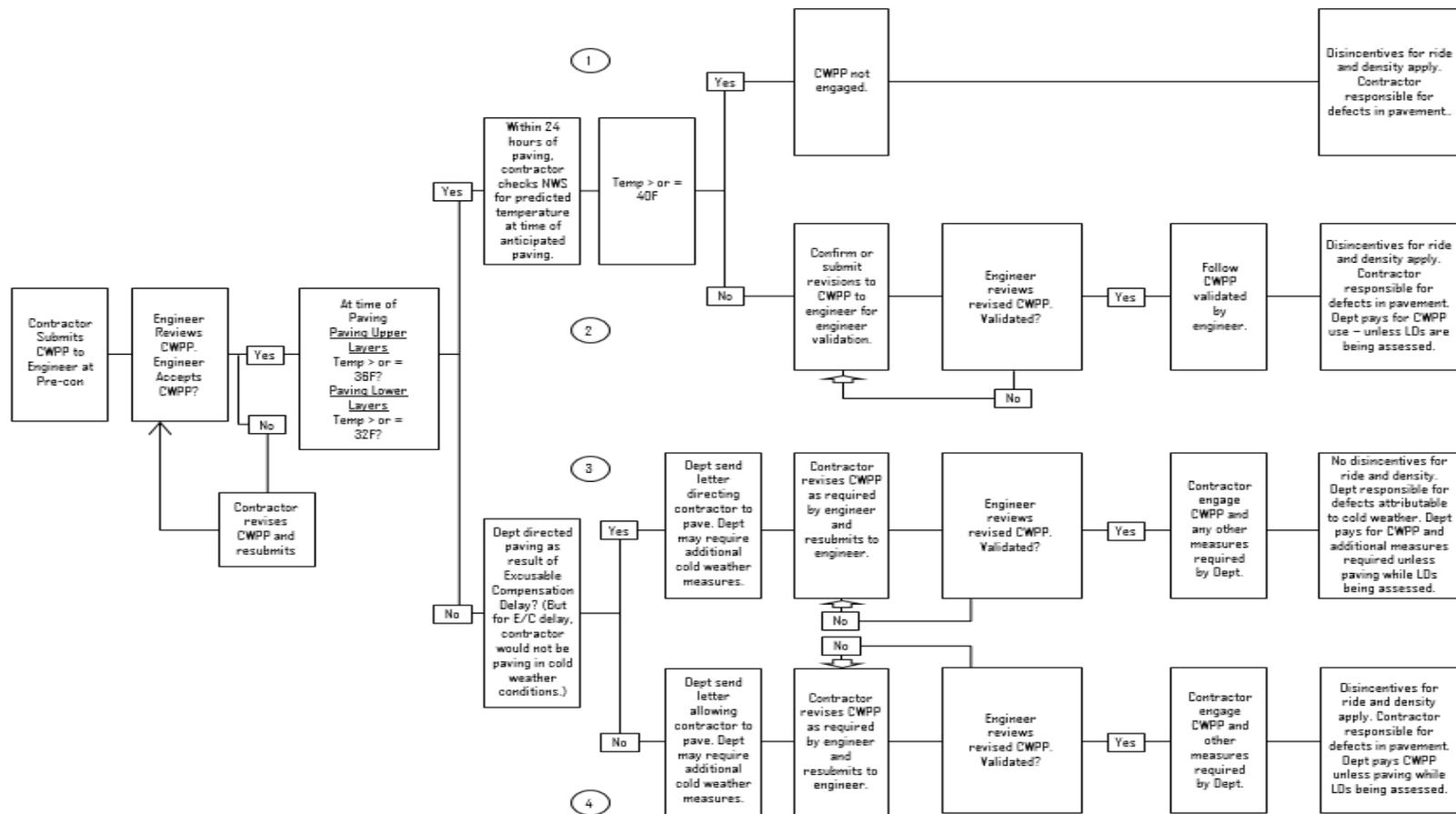
## 460.5.2.4 Cold Weather Paving

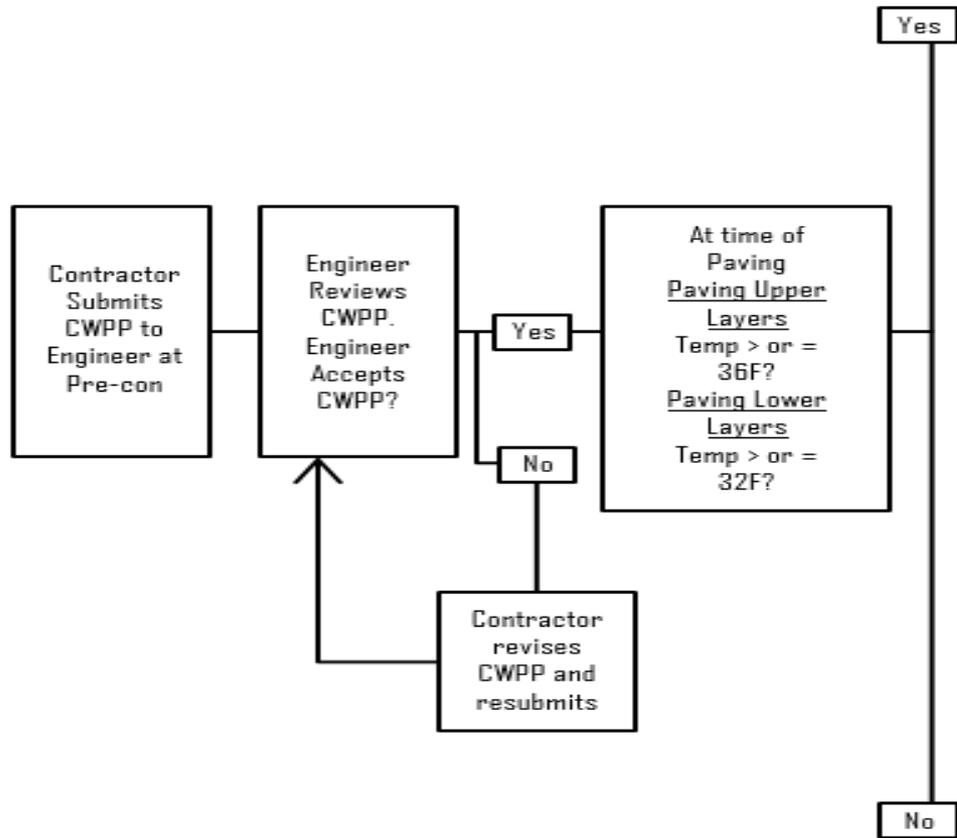
(1) Payment for HMA Cold Weather Paving is full compensation for additional materials and equipment specified for cold weather paving under 460.3.4 including costs for preparing, administering, and following the contractor's cold weather paving plan. The department will not pay for HMA Cold Weather Paving for HMA placed on days when the department is assessing liquidated damages.

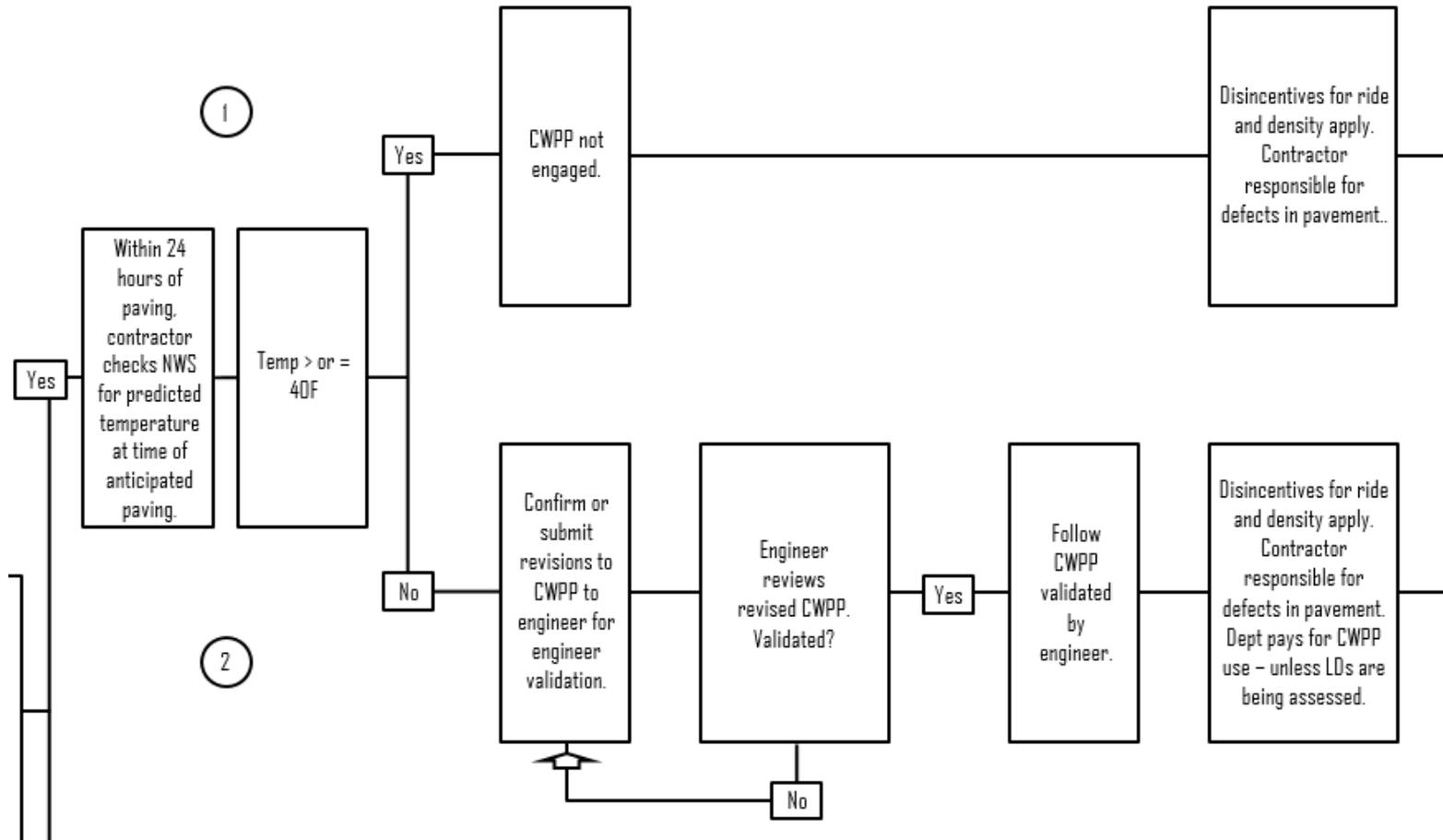
(2) If HMA pavement is placed under 460.3.4 and the HMA Cold Weather Paving bid item is not in the contract, the department will pay for the additional costs specified in 460.5.2.4(1) as extra work.

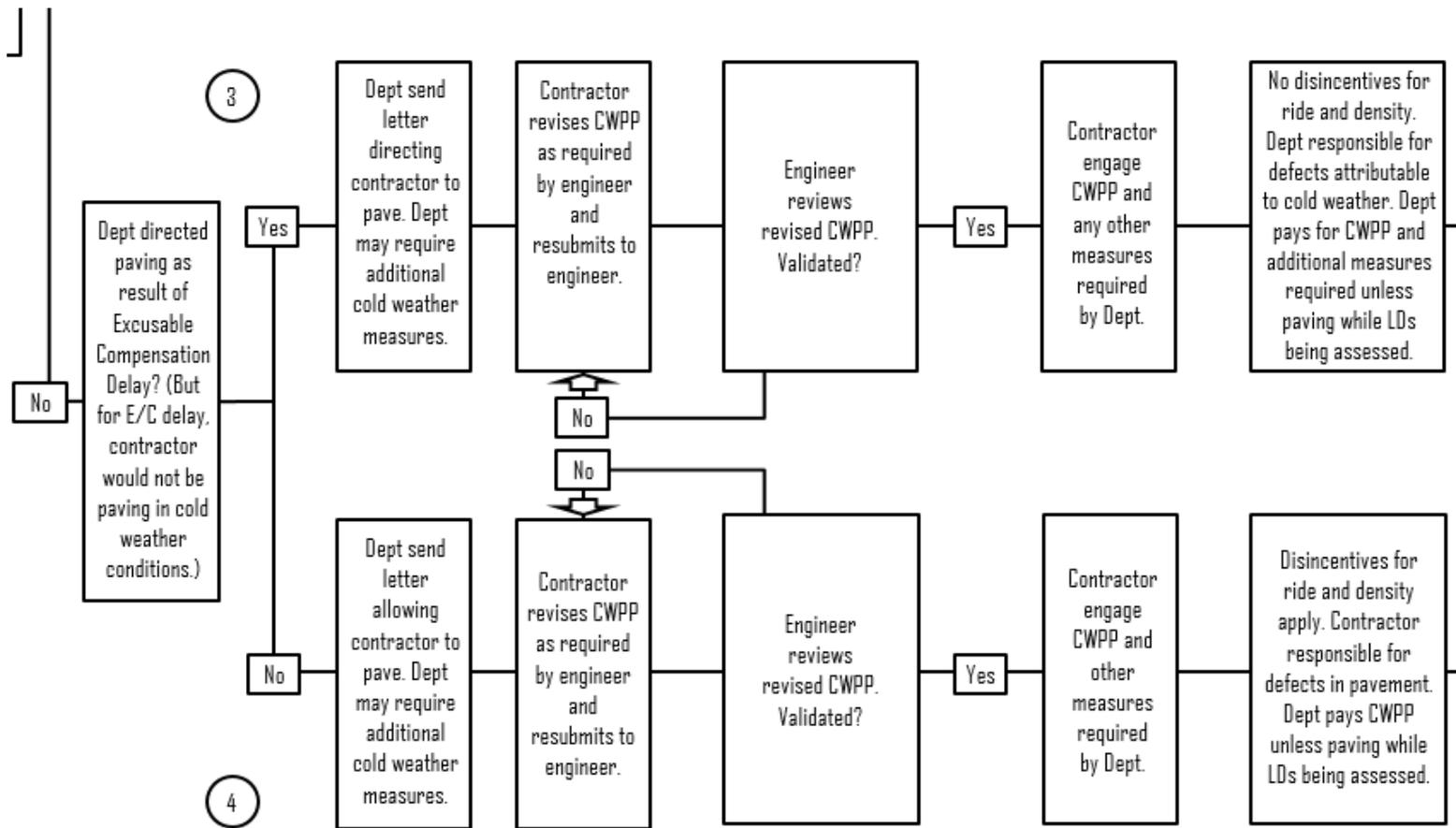


# Cold Weather Flowchart









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