

INTEROFFICE MEMORANDUM

Date: XXXXXXXX

TO: Mr. Allan Holmes, State Construction Engineer

FROM: Edward T. Fain, Bridge Engineer

SUBJECT: Deck Pouring Sequence
Bridge No. 00000; Job No. 00000
Job Name

As requested, we have reviewed the attached contractor's request to use a continuous pouring sequence for the superstructure on the subject project. The contractor's proposal should not have any adverse effects on the structural capacity of the bridge or the final profile grade of the deck.

There is one concern with using this type of pouring sequence. After a span has been poured and taken its initial set, cracks may develop in the completed deck while pouring the adjacent span due to vertical movement of the girders. This bridge is a two span continuous unit. Therefore, during the strike-off process, the concrete must not attain its initial set until after the entire length of the continuous unit has been poured. An adequate rate of pour should be maintained to avoid the excessive use of retarding agents.

The deck pour shall begin at one end of the continuous unit and continue without interruptions to the opposite end of the unit. Slab joints as shown on the plans are still required. Concrete thickness, rebar cover, and construction tolerances shown on the plans must be achieved in placement of the slab.

CJF
Attachment