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CLARIFICATION

ROADWAY IMPROVEMENTS FOR COUNTY ROAD H & SR109 & TRAFFIC SIGNAL INSTALLATION

RE: Concrete Pavement

Question: Plan page R4/R43 for CR H states all concrete pavement quantities and joint prep/dowels shall comply with the Geotech report. Please provide details.

Answer:

- Concrete mixture shall follow Section 499 of the Ohio Department of Transportation (ODOT) Construction and Materials Specifications for QC1 concrete mixture requirements.
- Concrete pavements should include 1 ½ inch diameter by 18-inch long dowel bars spaced at 12 inches center to center in all longitudinal and transverse contraction joints.
- Contraction joints should be reinforced with dowels in accordance with ACI 330.2R-17. Contraction joints should have a maximum spacing of no greater than 15 feet, as described in ACI 330.2R-17. Contraction joint cuts should be 1/5 of the depth of the concrete and should be cut as soon as the slab is able to support the weight of a worker and saw and can be cut without dislodging course aggregate particles from the surface.
- Expansion (Isolation) Joints shall be placed to isolate fixed objects, such as drainage structures, light poles, etc.
- Expansion (Isolation) Joints should be full depth and filled with pre-molded materials per ACI 330.2R-17.
- Pavement edges at expansion joints shall be thickened by two inches whenever practical; the transition in thickness shall occur gradually over a minimum distance of five feet.

End of clarification.