

Farrell, Zac

From: Farrell, Zac
Sent: Wednesday, May 8, 2024 2:55 PM
To: Joseph.Brubaker@dot.ohio.gov
Cc: 010766 EMAIL
Subject: RE: 23-3008 FAY117955 Concrete Pavement Finishing
Attachments: 452 Concrete Pavement Areas.pdf

Joe,

No problem, see below as a little more information for our upcoming pavement work.

Of all the areas for the concrete widening on the ramps and 435 a few factors come into play as to why we are going to hand pour these areas.

1. Based on the MOT for these ramps, an industry standard slip form paver cannot operate with the distance behind the barrier wall and edge of pavement
 - a. PB is required based on MT 101.90 because of the drop off present during the removal and stabilization
2. Available lengths to slip form for Ramps A & B, excluding the variable width and tapered areas, are less than 400'
3. Available lengths to slip form pavement on 435 are also less than 400' per pour
 - a. Area 1 < 200'
 - b. Area 2 < 400'
 - c. Area 3 based on maintaining entrances, the longest area available to pour is 179'
4. Based on the MOT for the 435 sections, would require lanes closed permanently for available room for concrete paver to track on existing 435

Based on this criteria we will build these concrete pavement areas with the same attention to detail adhering to the SCDs and 452/451. Our forms will meet 451.05 and our alternative finishing equipment is the following:

- Whiteman Roller Screed (Various tube lengths 16' & 8')
- Clary 3 tube Roller Screed (same tube lengths)
- Wyco gas powered 2" vibrator
- Tie Bars & Load transfer baskets per SCDs & specifications, pinned to subgrade per survey layout
- Will place concrete per 451.07, moistened subgrade prior to placement, use mechanical sprayer for cure
- Will perform first ramp at night and provide light plants (ramp is closed, so no traffic impacts due to lighting)
- Same finishing and tinning operation as slip form paving
- Early entry, green saw, sawcut operations same as slip form paving
- Not related to hand pour vs machine pour, but we will install the station stamps in shoulder as required too

Concrete: QC1P from Ernst. First truck due 10p ready for testing at bottom of Ramp A. Then ready for placement by 2230p

Can you check this out and let me know if you all need anything else.

Thanks,
Zac



ZACHARIAH FARRELL
PROJECT MANAGER

From: Joseph.Brubaker@dot.ohio.gov <Joseph.Brubaker@dot.ohio.gov>
Sent: Wednesday, May 8, 2024 8:38 AM
To: Farrell, Zac <Zac.Farrell@jrjnet.com>
Subject: Fwd: 23-3008 FAY117955 Concrete Pavement Finishing

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FYI

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From: Miller, Julia <Julia.Miller@dot.ohio.gov>
Sent: Wednesday, May 8, 2024 7:02:25 AM
To: Amnah, Zachary <Zachary.Amnah@dot.ohio.gov>; Miller, Daniel <Daniel.Miller@dot.ohio.gov>; Salyer, Andrea <Andrea.Salyer@dot.ohio.gov>
Cc: Brubaker, Joseph <Joseph.Brubaker@dot.ohio.gov>
Subject: RE: 23-3008 FAY117955 Concrete Pavement Finishing

Hi Zach,
Could you have the contractor provide the required details as per 451.04 C.?

For areas determined to be inaccessible to industry-standard slip form pavers or fixed form pavers provide a detailed layout of the areas with sufficient information detailing the paving equipment inaccessibility along with the specifications of the proposed alternative finishing equipment for approval by the Engineer.

Thanks,
Julie

Julia (Julie) Miller, P.E.
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From: Amnah, Zachary <Zachary.Amnah@dot.ohio.gov>
Sent: Wednesday, May 8, 2024 6:55 AM
To: Miller, Julia <Julia.Miller@dot.ohio.gov>; Miller, Daniel <Daniel.Miller@dot.ohio.gov>; Salyer, Andrea <Andrea.Salyer@dot.ohio.gov>
Cc: Brubaker, Joseph <Joseph.Brubaker@dot.ohio.gov>
Subject: 23-3008 FAY117955 Concrete Pavement Finishing

Morning All,

The project is completing some ramp and mainline widening of the concrete pavement at 435/71. For the ramp areas (smaller areas w/ varying widths), they are planning to use a three tube roller screed. Any thoughts/comments or things to look out for?

Thanks,

Zac Amnah, PE

Construction Area Engineer

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