

APC/PENNDOT BRIDGE COMMITTEE MEETING

August 15, 2017

Co-Chairmen Mick Girondo and Tom Macioce

Attendees:

APC

Susan Armstrong
Leonard Bellanca
Matt Brough
Jim Casillio
Jamie Campbell
William Delsignore
D. Scott Fegan
Evan Fink
Jason Fuller
Tony Ghioldi
Mick Girondo (Co-Chair)
Rhett Heiple
Matt Hurley

Steve Kulka
Ahcene Larbi
Raj Nagaraj
Peter Quinn
Ted Roehrig
Robert Scheier
Kevin Sear
Paul Tsourous
Mike Waksmunski

PennDOT

Joe Bracken III
Tom Macioce (Co-Chair)
Heidi Mertz
Shane Szalankiewicz

Call to Order and Introductions: The meeting was convened at 9:30 am. Self-introductions were made.

Approval of Minutes: No corrections or changes were noted for the minutes of the April 25, 2017 meeting.

BC 783 – Suggested changes in sizes and details for reinforcing bars and mesh installed for surface repairs of concrete substructure units.

Anchoring Barrier Forms – The Department’s preference that uplift tie downs be placed within the barrier width rather than place holes in the adjacent deck.

Scour Protection Sequence – should never specify that scour protection rock material be placed after beam erection and deck construction.

Decorative Fence Alternates – become impractical for both cost and considerations when specifications require extensive design review and testing.

Temporary Earth Support –Temporary earth support requirements should be delineated with a style of line work that does not in any way imply that steel sheet piling is required.

Foundation Pile Notes – recognize that the terms “minimum pile tip” elevation and “estimated pile tip” elevation address two different issues and might significantly affect bid prices.

Bridge Deck Concrete Placement- Based on field observation and results over a period of two construction seasons, the Department will raise the minimum ambient air temperature for placing bridge deck concrete to 40 deg. F. and will increase the level of “methods and means” requirements that it believes necessary to obtain improved quality decks. This will be in the next 408 change.

Micro-pile Specifications- revisions to DM-4 are under consideration that will provide guidance to designers on both the minimum number of initial test piles to require and the ratio of test piles to production piles when there are large numbers of piles.

Mill Certifications- Industry expressed its dismay with the unprecedented level of administrative activity necessary to comply with the application of steel certification requirements to non-structural items such as tie-wire, overhang brackets and bolt-thru tubes.

Moment Slab Design- Bridge designers observed that the Department could realize a significant reduction in design costs for moment slabs which support structure mounted sound barriers if design standards were available in DM-4 which established parameters such as allowable bearing pressures and wind loading.