

PRECONSTRUCTION ADVISORY MEMORANDUM

NUMBER: 4

SUBJECT: Preconstruction Quality Assurance Review Policy

TO: E. S. Eargle, Preconstruction Support Engineer
Matt Lifsey, Lowcountry Regional Production Engineer
Mike Barbee, Interim Pee Dee Regional Production Engineer
Randall Young, Midlands Regional Production Engineer
Mark Lester, Upstate Regional Production Engineer

FROM: Mitchell Metts, P. E., Director of Preconstruction

DATE: September 9, 2009

RE: Preconstruction Quality Assurance Review Process

SUPERSEDES: Instructional Bulletin 2007-6; Bridge Design Memorandum DM-0407

Preconstruction will provide quality assurance reviews of project concepts, design criteria, design plans, and specifications at various project development phases. The intent of these reviews is to verify that consistent and on-going quality control has occurred and that statewide consistency with designs and specifications has been achieved. Quality assurance reviews will be performed by Preconstruction Support and will not take the place of quality control practices being performed by the Regional Production Groups and their consultants.

Preconstruction project design plans, specifications, and other specific engineering documents will have quality assurance reviews performed at the following stages for the roadway and structural components of the project.

Required

- Conceptual bridge plans (if applicable)
- Preliminary bridge plans
- Right-of-way plans
- 95% bridge plans
- Construction plans
- Construction specifications

Optional

- Design criteria
- Project concept reports
- Conceptual roadway plans
- 60% bridge plans
- Preliminary roadway plans

Hydraulic components of projects will be reviewed as described in the Preconstruction Quality Assurance Review Process. Special circumstances on small scale projects may be such that a quality assurance review is deemed unnecessary by the Regional Production Engineer. In such cases, the quality control practices of the Regional Production Group will be utilized as the only review and the quality assurance review process is not applicable. The information submitted for review should be verified by the Regional Production Group to be consistent with the project scope and/or in compliance with the contract.

Design guidelines developed as part of RFP packages for design-build initiatives are to be submitted to Preconstruction Support for review. Design plans and specifications that are being developed as part of design-build initiatives may be submitted to Preconstruction Support for review and will be handled in accordance with the terms of the design-build contract and the Design-Build Team's submittal process.

Design plans that are being developed as part of local initiatives are to be submitted to Preconstruction Support for review and will be handled in accordance with the terms of the intergovernmental agreement.

Reports generated as part of Value Engineering studies are to be submitted to Preconstruction Support for review.

Reference the "Preconstruction Quality Assurance Review Process" for further details.

MM:grb

File:PC/ESE

Original document signed by the South Carolina Department of Transportation Director of Preconstruction, Mitchell Metts, P.E. and is maintained by the Preconstruction Support Office.