

BRIDGE DESIGN MEMORANDUM – DM0420

TO: RPG Structural Design Engineers
RPG Roadway Design Engineers
Structural Design Consultants
Roadway Design Consultants

DATE: July 31, 2020

RE: Providing Asset IDs for Bridges and Roadway Structures

Apply these updated requirements to all projects where plans have not progressed beyond final submittal with signed and sealed drawings.

The requirements for providing Asset IDs specified in the fourth paragraph of Bridge Design Memorandum DM0214 are amended as follows:

For plans of replacement bridges and new bridges that are not replacing existing bridges, include the new Asset ID on the bridge plans title sheet in the space provided. Request new Asset IDs according to Section 4.4 of the *SCDOT Load Rating Guidance Document*. Once the *Asset ID Request Form* has been returned to the Asset ID requestor with the new Asset ID included, submit a copy of the form to the Structural Design Support Quality Assurance Engineer.

For plans prepared for widening, rehabilitation, or other modifications of existing bridges where a new separate bridge is not being proposed, include the Asset ID of the existing bridge on the bridge plans title sheet in the space provided.

For multiple bridges included in the same set of plans, include all Asset IDs on the bridge plans title sheet in the space provided. Provide notation to identify which Asset ID represents which bridge.

Refer to SCDOT Drawings and Details No. 700-01 and 700-02 for location of Asset IDs on the bridge plans title sheet.

For new culverts and multiple pipes meeting the definition of “Bridge” as specified in Section 1.3.1 of the *SCDOT Load Rating Guidance Document*, include the new Asset ID in the structural drawings for each applicable structure. When structural drawings are not required in the roadway plans (i.e. locations of multiple pipes), place the new Asset ID on the roadway plan and profile



sheet where the structure is shown. Request a new Asset ID for each applicable structure described above according to the requirements of Section 4.4 of the *SCDOT Load Rating Guidance Document*. Once the *Asset ID Request Form* has been returned to the Asset ID requestor with the new Asset ID included, submit a copy of the form to the Structural Design Support Quality Assurance Engineer. Display the Asset ID in the plans as shown in Figure 1.0 below.

For extensions and/or widenings of existing culverts and multiple pipes meeting the definition of "Bridge" as specified in Section 1.3.1 of the *SCDOT Load Rating Guidance Document*, include the existing Asset ID in the structural drawings for each applicable structure. When structural drawings are not required in the roadway plans (i.e. locations of multiple pipes), place the existing Asset ID on the roadway plan and profile sheet where the structure is shown. Display the Asset ID in the plans as shown in Figure 1.0 below.



Figure 1.0, Asset ID Box

Please note the changes below in your copy of the *SCDOT Bridge Design Manual*.



Terry B. Koon, P.E.
Structural Design Support Engineer

TBK:hl

ec:

John Boylston, Director of Preconstruction
Robbie Isgett, Director of Construction
David Cook, Director of Maintenance
Robert Perry, Director of Traffic Engineering
Chris Gaskins, Design Build Engineer
Rob Bedenbaugh, Precon. Support Engineer
David Rister, Acting Dir. Of Mega Projects

Jennifer Necker, RP Engineer - Lowcountry
Leah Quattlebaum, RP Engineer – Pee Dee
Philip Sandel, RP Engineer - Midlands
Julie Barker, RP Engineer – Upstate
Tad Kitowicz, FHWA
Blake Gerken, FHWA

File: PC/TBK/HL

