

Bridge Design Memorandum

To: Bridge Design
From: NJA/els
Date: 12/19/2013
Re: Bridge Plans Sheet Number Convention

As per NJA and JMW, Bridge plans shall be numbered according to the following general convention (an example is shown below):

“Front End” Sheets

The first bridge sheet (8001) will typically be the *Detailed Index* (Bridge) sheet(s), followed by the *Summary of Quantities* (Bridge) and *Estimated Quantities* (Bridge) sheets.

Bridge-Specific Layout & Detail Sheets

Next will be the *General Notes & Estimated Quantities* sheet followed by the *Layout* (Profile/Elevation). In the past the *General Notes & Estimated Quantities* have been combined with the *Layout* on one sheet, but we are moving toward standardizing the *General Notes & Estimated Quantities* sheet separately. Generally following the *Layout* sheet are the *Foundation Plan*, *End Bent Details*, *Intermediate Bent Details*, *Span Details*, *Beam Sheets*, and so on.

Although the *Generalized Soil Profile* sheet(s) has usually been inserted immediately following the *Foundation Plan*, it may be preferred to put it at the end of each bridge’s set of sheets.

“Standard” Sheets

For projects with multiple bridges, it is preferred to not repeat “standard” sheets (*such as the Miscellaneous Span Details, 2’-8” Railing Details, Concrete Piles Details, etc.*) that would apply to multiple bridges or to all of the bridges in the project. These sheets, however, should be referenced by notes referring to their respective location (Working Number) on appropriate sheets for each bridge.

Detour Bridge Sheets:

Detour bridge sheets for a project should be grouped together toward the end of the project’s bridge sheets but before the Bridge Erosion Control Plan sheets. The working numbers for the Detour Bridge Sheets should be named as follows:

- DBA-1 will be the working number for the first Detour Bridge Sheet for an on-site detour at Bridge “A”. If there is only one Detour Bridge sheet, the working number should still be DBA-1 as opposed to just DBA.
- If, for instance, only Bridge C of a project has an on-site detour, the working number would be DBC-1 and DBC-2 if needed.

For Information Only (As-built) Plans

The “For Information Only” sheets (i.e. As-built plans) should be grouped together between the Detour Bridge sheets and Bridge Erosion Control Plan sheets for a project. Once again, be sure to reference the sheet numbers (locations of these sheets) by notes in the plans where appropriate. A note on the *General Notes & Estimated Quantities* sheet similar to the following is often used:

NOTE: For INFORMATION PLANS, see sheets nos. 8066-8071. Additional information on the existing bridge is available for inspection in the Bridge Division.

On the *Detailed Index Sheet*, the Information Only plans should include the original project number in the sheet description (or at least in a heading above the group of sheets for bridges constructed under that particular project number).

Bridge Erosion Control Plans

The Bridge Erosion Control Plan sheets should all be grouped together at the very end of the project’s bridge sheets.

- The Bridge Erosion Control plan sheets should have working numbers such as ECBR-1, ECBR-2, ECBR-3, ...

DESCRIPTION OF SHEET	WORKING NUMBER	SHEET NUMBER
<i>DETAILED INDEX (BRIDGE)</i>	DI-BR-1	8001
<i>DETAILED INDEX (BRIDGE)</i>	DI-BR-2	8002
<i>SUMMARY OF QUANTITIES (BRIDGE)</i>	SQ-BR-1	8003
<i>ESTIMATED QUANTITIES (BRIDGE)</i>	EQ-BR-1	8004
BRIDGE A - SR 999 ACROSS YAZOO RIVER		
BRIDGE AT STA. 476+55.83		
<i>ESTIMATED QUANTITIES & GENERAL NOTES</i>	A1	8005
<i>ELEVATION</i>	A2	8006
<i>FOUNDATION PLAN</i>	A3	8007
<i>END BENT 1 DETAILS</i>	A4	8008
...	.	.
...	.	.

<i>GENERALIZED SOIL PROFILE</i>	A32	8032
BRIDGE B - SR 999 ACROSS CSX RR & VALUABLE ROAD		
BRIDGE AT STA. 675+44.65		
<i>ESTIMATED QUANTITIES & GENERAL NOTES</i>	B1	8033
<i>ELEVATION</i>	B2	8034
<i>FOUNDATION PLAN</i>	B3	8035
<i>END BENT 1 DETAILS</i>	B4	8036
...	.	.
...	.	.
<i>GENERALIZED SOIL PROFILE</i>	B32	8064
DETOUR BRIDGES		
<i>DETOUR BRIDGE AT STA. 476+35.00</i>	DBA-1	8065
ORIGINAL PLANS FOR INFORMATION ONLY		
<i>Original Construction under Project No. FAP-7R</i>		8066-8071
BRIDGE EROSION CONTROL PLANS	ECBR-1 THRU ECBR-2	8072-8073