

Design Update 2010-2
1/11/11

1) Plan Review submittal

Reminder about the procedure for submitting projects for Plan Review through ProjectWise as described in Section 14.36 of the Road Design Manual.

1. File names should start with the Job Number i.e.:
 - o 123456 form 0200.pdf
 - o 123456 Supporting Documents.pdf
 - o 123456 Proposal Material.pdf
 - o 123456 Plans.pdf
2. A special provision for all unique pay items should be included even if it is a draft that has been sent for approval.
3. Only change the state **once** on the 3 files in the Plan Review folder. If you change in again you will not be able to update them. The state should be "Plan Review – Submitted for Review." The QA Unit will change the state again after the project has been scheduled and the meeting notice has been sent out.
4. The meeting notice is sent to the Project Manger and Unit Supervisors, anyone working for them that needs be invited to the meeting should be listed on form 0200 in the Special Instructions or Invitees section.

2) Concrete quality assurance

Concrete quality assurance pay item- This pay item is to be used on all projects with concrete except concrete used for pavement repairs. Every cyd of concrete needs to be tested and needs the quality assurance pay item. The FUSP 03SP605B is only used when there is more the 100 cyds of concrete.

3) Pavement design

The pavement design information (ESAL's) on the new title sheet should be under the traffic data (counts, speed), not along side it.

4) New DDEP Plan Sheets

MicroStation file names and title block information for the new DDEP plan sheets should be done according to the "MDOT V8i CADD File Naming Standards" that were sent out in the April 2010 Monthly Update. It can be found at the following link:

http://www.michigan.gov/documents/mdot/MDOT_V8i_Cadd_Filenames_31616_5_7.pdf

Drawing and sheet numbers should be included on the plan sheets. Drawing numbers would be unique to each section of the plans (i.e.: typicals, removal, construction, profile, MOT, bridge). Sheet numbers should be consecutive for the entire plan set. The easiest way to place the sheet numbers is to use a footer in PDF file using the following guidelines:

- Current plan format use Arial 8pt right margin 0.45, bottom margin 0.25
- New DDEP plan format use Arial 8pt right margin 0.4, bottom margin 0.3

Below is an example of filling in the title block info.

The diagram illustrates the title block information for two types of sheets: ROAD SHEET and BRIDGE SHEET. Red callout boxes identify specific fields within the tables.

ROAD SHEET

CS: 61072	CONSTRUCTION SHEET	DRAWING	SHEET
JN: 123456A	US-31 STA 123+45 (POB) TO STA 678+90 (POE)	US31 CON 001	CONST 1

Callouts for ROAD SHEET:

- CONST or FROW (points to DRAWING/SHEET header)
- ROUTE AND STATION RANGE (points to US-31 STA 123+45 (POB) TO STA 678+90 (POE))
- SHEET DESCRIPTION (points to CONSTRUCTION SHEET)
- ROADWAY NAME, DRAWING TYPE, DRAWING NUMBER (points to US31 CON 001)
- SHEET NUMBER (points to 1)

BRIDGE SHEET

CS: C01 65041	GENERAL PLAN OF STRUCTURE	DRAWING	SHEET
JN: 123456A	I-75 OVER BRANCH LAPORTE CREEK	C01 GPSTR 001	CONST 1

Callouts for BRIDGE SHEET:

- CONST or FROW (points to DRAWING/SHEET header)
- ROUTE AND LOCATION (points to I-75 OVER BRANCH LAPORTE CREEK)
- SHEET DESCRIPTION (points to GENERAL PLAN OF STRUCTURE)
- STRUCTURE NUMBER, DRAWING TYPE, DRAWING NUMBER (points to C01 GPSTR 001)
- SHEET NUMBER (points to 1)

5) Cost Estimating

Designers and consultants should utilize TRANSPORT to generate bid based prices as much as possible. For preliminary estimates, the consultants should send in their SAPW to the MDOT project manager. The MDOT project manager runs the SAPW thru TRANSPORT to generate the bid based prices and then forwards the bid based prices to the consultant to be included in the estimate. The consultant should review the prices for accuracy and make any adjustments as deemed necessary. 7000 items still require the designer and the consultant to estimate prior to completing the cost summary. MDOT's estimators are available to help determine 7000 items prices if needed by contacting Mark Schulick, Steve Ilieff or Rhiannon Worgess-Carveth.

6) If you know of new people in your TSC or Region that are not receiving this update that should, please let me (Gary Mazurek) know so they can be added to my list.

Regards,

Tom VandenBerg, Supervising OEC & Plan Review Engineer

Gary Mazurek, OEC Plan Review

Carl Anderson, OEC Plan Review

Keith Claus, Road Plan Review

Jennifer Transue, OEC Bridge Plan Review

Radka Todorova, Bridge Plan Review