Appendix

M

DIGITAL DESIGN PACKAGES

M.1 DIGITAL DESIGN PACKAGES

This appendix provides additional detail regarding content of packages, approximate delivery schedules, and links to additional resources and examples of roadway digital design data packages.

M.1.1 DIGITAL DESIGN PACKAGE CHECKLISTS

Figure M–1 is a schedule showing the approximate durations needed for developing the associated digital design packages. Additional descriptions of required content to be included in each of these submittals are provided in Section 16.4.

The first checklist is the eBIDS Handoff Package Checklist. This checklist summarizes the required content submitted to the ODOT Project Leader (PL) or Local Agency Liaison (LAL) no later than 1 week prior to the project advertisement milestone. The data provided to the ODOT PL or LAL is uploaded to eBIDS as a bid reference document prior to project advertisement to assist contractors in the bidding process. In order to provide a consistent set of data for bidders, a "How-to" guide on posting the roadway digital design eBIDS Handoff package has been developed. This document is available at the following link: How to post a roadway digital design eBIDS bid reference package.

The second checklist is a Sample Roadway Construction Survey Handoff Deliverable Checklist. This checklist is developed in partnership with the assigned Construction Coordinator before the Construction Survey Handoff Package is prepared based on the specific needs of each project. The Construction Survey Handoff data is due to the assigned ODOT construction PM's office 30 days after Bid Opening and generally coincides with Notice to Proceed for the Contractor. The provided data communicates the design information needed for the administration of the construction contract.

APPROXIMATE DURATIONS - ROADWAY DIGITAL DESIGN DELIVERY SCHEDULE (TYPICAL)

ESTIMATED DURATION	FINAL (PRE-MYLAR) PLANS DISTRIBUTION/ COMPLETION Milestone	2 Weeks	2 Weeks	2 Or More Months	1 Week	PROJECT ADVERTISEMENT Milestone	6-8 Weeks	30 days after BID OPENING Milestone	10-30 Days	PRE-SURVEY MEETING Milestone
TASK	Roadway Designer delivers Final (Pre-Mylar) plans, special provisions, and estimate for review/comment.	Roadway Designer prepares and submits Draft eBIDS Handoff Package* to ODOT Construction Coordinator for Review	Construction Coordinator Reviews Draft eBIDS Handoff package and provides comments to Roadway Designer	Roadway Designer incorporates comments from Construction Coordinator into the eBIDS Handoff package	Roadway Designer provides final eBIDS Handoff package to the Project Leader no later than 1 week prior to Project Advertisement	Project Leader uploads eBIDS Handoff package to eBIDS	Roadway Designer coordinates with Construction Coordinator and prepares Draft Construction Survey Handoff Package*.	Roadway Designer delivers Draft Construction Survey Handoff Package. (30 days after Bid Opening generally coincides with Notice to Proceed)	Roadway Designer and Construction Coordinator work together to revise/finalize Construction Survey Handoff package to be ready for Pre-Survey Meeting.	Roadway Designer attends meeting to provide technical support to Construction Coordinator regarding the Construction Survey Handoff package.

* See Highway Design Manual Appendix M for information regarding Handoff Packages

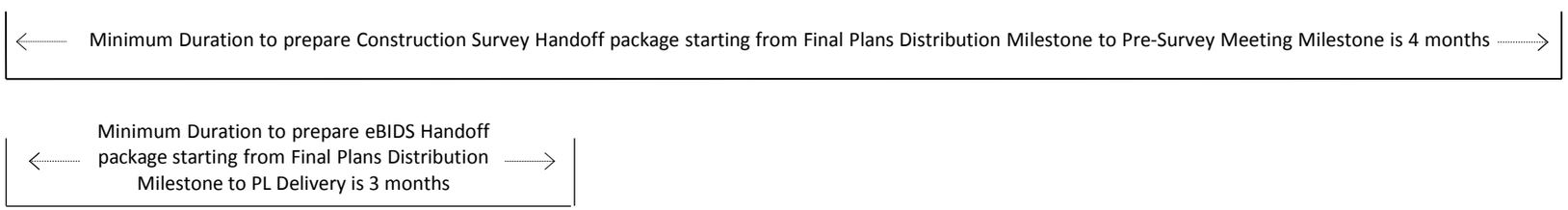

Figure M–1: Approximate Durations - Roadway Digital Design Delivery Schedule (Typical)

M.1.2 eBIDS FILE NAME RESTRICTIONS

There are some restrictions on file names imposed by ODOT's web application platform.

1. You cannot use the following characters anywhere in a file name:

    - Tilde (~)
    - Number sign (#)
    - Percent (%)
    - Ampersand (&)
    - Asterisk (*)
    - Braces ({ or })
    - Backslash (\)
    - Colon (:)
    - Angle brackets(< or >)
    - Question mark (?)
    - Slash (/)
    - Pipe (|)
    - Quotation mark (' or ")

2. You cannot use the period character consecutively in the middle of a file name.

3. You cannot use the period character at the end of a file name.

4. You cannot start a file name by using the period character.

5. Filenames no longer than 28 characters plus the 3 character extension (total 31).

6. In addition, file names and folder names may not end with any of the following strings:

    - .files
    - _files
    - -Dateien
    - _fichiers
    - _bestanden
    - _file
    - _archivos
    - -filer
    - _tiedostot
    - _pliki
    - _soubory
    - _elemei
    - _ficheiros
    - _arquivos
    - _dosyalar
    - _datoteke
    - _fitxers
    - _failid
    - _fails
    - _bylos
    - _fajlovi
    - _fitxategiak

M.1.3 EXAMPLE DIGITAL DESIGN PACKAGES

The following provides example digital design packages for reference purposes.

M.1.3.1. I-5: SISKIYOU SAFETY REST AREA (KEY #09436)

This project was designed to a 4R design standard is located along I-5 southwest of Ashland. The proposed rest area replaces a recently closed rest area located at milepost 10. The project included entrance and exit ramps, a service access road, parking area for RVs and autos, and other amenities associated with the rest area site development.

Click on the links below to access the example digital design packages for this project:

Example eBIDS Handoff package for Key #09436

Example Construction Survey Handoff package for Key #09436

M.1.3.2. OR140: BOWERS BRIDGE & QUARTZ CREEK CULVERTS (KEY #19126)

These culvert replacement projects are located about 60 miles apart on OR 140 in the vicinity of Lakeview and were designed to a 4R design standard. The Bowers culvert was originally installed in 1947 and was beyond its design life. Previous attempts to modify/extend the Quartz culvert resulted in sink holes, posing a potential closure and lengthy detours if the culvert failed. The project replaced the Bowers culvert with an 8-foot by 4-foot reinforced concrete box and the Quartz culvert with a 112-inch by 75-inch arch pipe.

Click on the links below to access the example digital design packages for this project:

Example eBIDS Handoff package for Key #19126

Example Construction Survey Handoff package for Key #19126

M.1.3.3. OR224 (CLACKAMAS.): SE 232ND DR. SEC. (KEY #17716)

This project was designed to a 4R design standard. The example project addresses sight distance issues at the intersection of OR224 and Southeast 232nd Drive in Damascus. Proposed improvements include dedicated right-turn and left-turn channelization and realignment of a horizontal curve.

Click on the links below to access the example digital design packages for this project:

Example eBIDS Handoff package for Key #17716

Example Construction Survey Handoff package for Key #17716