

March 19, 2014

**TO:** Project File  
**FROM:** Brendan LeBlanc  
**SUBJECT:** Project Closeout Summary for Columbia River Bridges & Approaches Design Build Procurement – *Fire and Life Safety*

**Executive Summary**

This memorandum provides the status of the work for the development of the Columbia River Bridges & Approaches Design Build Procurement, specifically addressing the following technical focus areas:

- Fire and Life Safety

This memo overviews the status of the work, outstanding work and next steps, an overview of project history, key decisions, and information on key documents and references. This memorandum, assembled at the time of project closeout, is intended to provide adequate information to allow project start-up within a year’s time-frame.

**Status of Work**

The work includes DB Section 141.71 – Fire and Life Safety. This Section covers the design and construction of the complete active and passive fire protection system(s) for the Columbia River Bridges including the transit and shared use facilities on the lower level, and the mainline, transit, and ramp approach structures to the Columbia River Bridges. The Design-Builder shall perform all Work necessary to meet the requirements of the Agency for this Project.

The following deliverables were completed at the approximate level of completeness as identified in Table 1, at the time of project closeout.

TABLE 1.  
 CRBA DB Procurement Deliverables Status Summary  
*Status of Deliverables for the CRBA Design Build Procurement Development*

TASK	DELIVERABLE	APPROX. PERCENT COMPLETE	STATUS OF WORK
4.3	Draft technical Performance Requirements - provision DB 141.71 – Fire and Life Safety	80%	All page turns have been completed and page turn comments have been addressed. Continued clean up of DB 141 for formatting, language, terminology, acronyms, interdisciplinary coordination, project interfaces, and other outstanding issues. See "Draft RFP Action Items List".

Table Notes:  
 1. Table status as of March 14, 2014.

**Known Issues**

The following is a summary of the known issues that were not resolved at the time of closeout:

- There has been no formal or informal agreement about which agency will maintain or charge the system after construction. The scope (complexity of the system) may depend upon which agency is responsible for maintaining the system. PF&R and VFD are discussing within their organizations to solidify their vision for the maintenance and operation responsibilities.
- There has been no formal or informal agreement with CRESA or the Portland equivalent for manning and operating the remote charging of the system.

## Outstanding Work

The following is a summary of outstanding work and next steps at the time of closeout that was not started, but necessary for the development of the DB Procurement final RFP for the CRBA Package:

- Get the proper title for the document that is the transit safety & security plan.
- Define transit cell in DB110 & include graphic defining the transit cell.
- Select preliminary pump station sites, perform hydrant testing and fill in the values in (5)(g).
- Have a meeting with Portland Fire & Rescue to find out where they want to control the system from and get PF&R comment on the specifications.
- Determine who will perform the on-site charging and the remote charging for VFD responses. Get a final decision about where the charging controls will be located on the Vancouver side.

## Milestones & Key Decisions Related to Disciplines

Key project milestones include:

- |                                    |            |
|------------------------------------|------------|
| ■ First Meeting Technical Workshop | 11/1/2013  |
| ■ Second Meeting Progress Status   | 12/10/2013 |
| ■ Third Meeting Page Turn          | 1/14/2014  |
| ■ Fourth Meeting Page Turn         | 2/27/2014  |
| ■ Draft RFP Tech Review            | 3/4/2014   |
| ■ Project Close Out                | 3/14/2014  |

Key project decisions include:

- The northbound bridge will be a single zone of the system. The roadway and bicycle path systems will not be able to be separately charged.
- Standards will be NFPA unless PF&R or VFD requirements exceed NFPA standards. Standards will not be reduced to less than NFPA without specific formal direction from PF&R and VFD.
- The Fire and Life Safety specification is specific to the fire protection systems. Safety and incident response is addressed in DB170. Transit safety is addressed in DB141.41. Security is addressed in DB141.11 and is to be addressed in DB141.29.
- Only TriMet shall be able to activate the system within the transit cell. ODOT will not be responsible for operating any portion of the system.
- See Meeting Notes in ProjectWise master directory.

## Project Records

Records of the work conducted under this task can be found at:

- See Word files in ProjectWise master directory.
- See Meeting Notes in ProjectWise master directory.

## **Standards & Versions**

Standards to be used for the work are listed in DB 141.71 – Fire and Life Safety.

The version in the ProjectWise 02\_Draft RFP / Master Files directory is the most current specification.

BL:cmd

cc: Project Controls