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| Submittal Name: JHD D4.03 MAS 4.R03 MIS 10060 R-02 - Barrier Wall Junction Box - Approach Bridge | IFA Submittal Number: MAR 1836 |
| WVB Document Number: JHD D4.03 MAS 4.R03 MIS 10060 R-02 | Submitted Date: June 6, 2016 |
| Reviewer / Checker: | Reviewed Date: June 14, 2016 |
| Approver: Jason B. Bunselmeier (June 14, 2016) | Status:  APPROVED  APPRVD AS NOTED  REVISE & RESUBMIT |

| **Comment #** | **Page No** | **Ref** | **Comment** | **Reviewer** | **Initial**  **Disposition** | **Response** | **Final**  **Disposition** | **Verification** | **Con-firmed** |
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| 1 | 2 | Red rust staining | Per the Approach Bridge General Notes, all exposed concrete railings will be sealed. Clarify if sealer will prevent the red rust staining referred to in the 4/1/16 email attached. | SJW | D | The red rust staining does not affect the service life of the box. The plates are not going to perforate of fail structuraly over the 30 years, per our service life expert. The 30 year service life will be maintained regardless of the sealer. | R | See Comment 4 | |
| 2 | 3 | Cold Galv. | Provide service life expert’s concurrence with using the aerosol cold galvanization. | SJW | A | The service life expert has no objections using the spray galvanizing. Please see the updated MAS with an email confirmation from the service life expert (Page 20-21) | A | SJW | RJR |
| 3 | G | HDP | Confirm all plates will be hot dip galvanized to ASTM A123 and the cold galvanization will only be used for touch up to the cut-out areas (which will get embedded in concrete). | SJW | C | Cold galvanization will only be used for field cut conduit entries into the junction box. All plates will be hot dip galvanized to ASTM A123. | D | SJW | RJR |
| **Comments for MAR 1836** | | | |  |  |  |  |  |  |
| 4 | 2 | Red rust staining | Response provided to prior Comment 1 did not address reviewer’s concerns relative to aesthetics referenced by WJE’s response.for anticipated rust staining “If the aesthetics of red rust staining is objectionable over the 30 year service life, the exposed surfaces can  be protected by coating the exposed galvanized surfaces with an approved barrier coating.”  Please clarify what coating will be applied to prevent this staining or provide aesthetics expert’s opinion relative to rust staining on these junction boxes.  Recall Technical Provisions Section 15.4.1 (also applicable to the Approach Bridge) require that “The new bridge should create an architectural legacy through attention to detail.” | SJW |  |  |  |  |  |
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