

July 14, 2023

Jay C. Johnson

T 202.344.4698  
jcjohnson@venable.com

Danielle Gosselin  
Director  
Office of Environmental Analysis  
Surface Transportation Board  
395 E Street, SW  
Washington, DC 20423

Re: Docket No. FD 36500, CPKC Quarterly Environmental Mitigation  
Measures Report for March 15–June 14, 2023

Dear Ms. Gosselin:

The Board's decision approving the merger in this proceeding requires CPKC to submit quarterly reports to the Office of Environmental Assessment "on the progress of, implementation of, and compliance with all Board-imposed environmental mitigation measures." The decision also explains that "[t]he Board's consistent practice in imposing environmental conditions is to mitigate only impacts resulting directly from the transaction." OEA studied those impacts in its EIS.

With this letter, CPKC is enclosing its first quarterly environmental mitigation measures report. You will see that the report covers mitigation for the impacts studied in the EIS during the quarter starting March 15 and ending June 14, 2023.

As always, we are happy to discuss these issues with you, so please contact me if you have any questions.

Sincerely,



Jay C. Johnson



# CPKC Quarterly Environmental Mitigation Measure Compliance Report

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This report includes compliance activities completed between March 15, 2023, and June 14, 2023 (Quarter 1, Year 1 of the STBs oversight period following the acquisition of KCS by CP, STB Docket FD 36500)

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## Non-Construction Mitigation Measures

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*VM-General-01. The Applicants will continue to engage in good faith with potentially affected communities along the combined network, listen to their input related to the proposed merger and strive to reach negotiated agreements to address merger-related impacts.*

Leading up to CPKC's April 14, 2023, control date, between April 11-13, 2023, CPKC representatives met with Pingree Grove and Hampshire, IL; Clinton, LeClaire, Bettendorf, Davenport, Muscatine and Moravia, IA; and Liberty, MO. The purpose of the meetings was to discuss what comes next, how mitigation will be implemented, how settlements will be paid, scheduling a regular cadence of meetings with communities, opening lines of communication to hear concerns, and naming community liaisons.

CPKC representatives, and its community liaison for Chicago, Larry Lloyd, met with the Illinois Coalition communities of Bensenville, Wood Dale, Roselle, Schaumburg, Hanover Park, Elgin, Itasca, and Bartlett (the "Coalition Communities") on April 11, 2023, and again on June 8, 2023, with two follow-ups scheduled for the next 2 months. CPKC has also met with some individual Coalition Communities to discuss specific local concerns. In general, the Coalition Communities continue to highlight concerns about safety. CPKC has also proactively engaged Metra in Coalition Community discussions, has outlined for the Coalition Communities the process for mitigation implementation and began discussions with vendors to implement mitigation measures.

On May 8-9, 2023, CPKC representatives met with Houston stakeholders and attended an FRA grade crossing safety summit and notified Houston stakeholders that CPKC Senior Manager Community Affairs Andy Cummings will be the Houston-area community liaison.

The majority of cash settlements have been wired to communities with community investment agreements in place as of June 14, 2023 (CPKC is awaiting financial paperwork from one community to facilitate the Electronic Fund Transfer), and CPKC representatives continue to engage with one community on a potential community investment agreement.

Since April 14, 2023, CPKC's Government Affairs team has also been in direct communication with community leaders across the Chicagoland area including the Coalition Communities and Kane County, IL. CPKC's Government Affairs team has also been in direct communications with community leaders in Minneapolis, MN, and Camanche, Clinton, Bettendorf, Davenport, Buffalo, Muscatine Washington, and Moravia, IA.

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*VM-General-02. The Applicants will follow all applicable Federal Railroad Administration (FRA) and Occupational Safety and Health Administration construction and operational safety regulations to minimize the potential for incidents during construction of the Capital Improvement Projects and operation of the combined network.*

Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable FRA and OSHA regulations and did not receive any fines or notice of recommended violation from the FRA or OSHA related to construction or operational safety.

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*MM-General-01. If there is a material change in the facts or circumstances upon which the Board relied in imposing specific environmental mitigation conditions, and upon petition by any party who demonstrates such material change, the Board shall consider revising its final mitigation, if warranted and appropriate.*

CPKC is not aware of any material changes in the facts or circumstances upon which the Board relied.

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*MM-General-02. The Applicants shall submit quarterly reports to OEA on the progress of, implementation of, and compliance with all Board-imposed environmental mitigation measures. The reporting period for these quarterly reports shall begin on the date of the Board's final decision authorizing the acquisition and continue for seven years, or one year after the Applicants have completed capital improvements related to the acquisition, whichever is longer. The Applicants shall submit copies of the quarterly reports within 30 days following the end of each quarterly reporting period and distribute the reports to appropriate federal and state agencies, as specified by OEA.*

This is CPKC's first quarterly compliance report, covering the period of March 15, 2023, to June 14, 2023.

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*VM-Rail-01. The Applicants will comply with FRA and Pipeline and Hazardous Materials Safety Administration regulations applicable to the safe and secure transportation of hazardous materials.*

Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable FRA and PHMSA regulations and did not receive any fines or notices of a recommended violation from the FRA or PHMSA related to the safe and secure transportation of hazardous materials.

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*VM-Rail-02. The Applicants will comply with the Safety Integration Plan (SIP), prepared pursuant to 49 C.F.R. Part 1106, which may be modified and/or updated as necessary to respond to evolving conditions and/or new information. In the event of a reportable hazardous materials release, the Applicants will notify appropriate federal, state, and local agencies, as required under applicable law.*

CPKC continues to progress the integration plans set out in its approved Safety Integration Plan (SIP) and has regular communications with the FRA regarding the SIP.

All reportable hazardous material releases were reported to appropriate federal, state and local agencies as required under applicable law.

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*VM-Rail-03. The Applicants will conduct Transportation Community Awareness and Emergency Response Program (TRANSCAER) workshops (training for communities through which dangerous goods are transported) in potentially affected communities that request this training. The Applicants will conduct the workshops in English and, upon request, Spanish. Training will include support for appropriate access to the AskRail app and its use to facilitate rapid, real-time access for qualified responders to information about hazardous materials in rail transportation.*

The CPKC Hazardous Materials Team completed TRANSCAER and hazardous materials awareness training events and presentations in Beaumont, TX on March 15 and 16, 2023; Shreveport, LA on April 13, 2023; Wylie, TX on April 26, May 9 and May 10, 2023; and, Siloam Springs, AR on June 8, 2023. In total, over 180 participants were engaged.

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*VM-Rail-04. The Applicants will offer to fund the participation in railroad focused emergency response training at the Association of American Railroads' Security and Emergency Response Training Center in Pueblo, Colorado, of two qualified firefighters providing service within each of the potentially affected communities.*

The CPKC Hazardous Materials Team has begun developing the curriculum which will be delivered during the railroad focused emergency response training. It is currently forecast that the in-person training at the Security and Emergency Response Training Center will begin in Spring of 2024.

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*VM-Rail-05. The Applicants will leverage CP's extensive emergency response equipment assets by reviewing coverage of those assets across CPKC. The Applicants will either redistribute existing assets or add new equipment assets to improve emergency response capabilities relating to the potentially affected communities on CPKC.*

Since the Control Date on April 14, 2023, the CPKC Hazardous Materials Team has begun reviewing contractor capabilities across the combined network. Once the review is complete, CPKC will determine whether any emergency response equipment repositioning is required.

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*VM-Rail-06. The Applicants will abide by their commitments to Amtrak in their agreement dated December 17, 2021. In general, the Applicants will support the efforts of Amtrak and the Southern Rail Commission to establish Amtrak service between New Orleans and Baton Rouge, and study the potential for Amtrak service between Meridian, Mississippi and Dallas, Texas. Additionally, Applicants will work with Amtrak to increase the frequency on the Hiawatha service between Chicago and Milwaukee; extend Hiawatha service from Milwaukee to Saint Paul and create a second round-trip on the Twin Cities-Milwaukee-Chicago corridor; and establish passenger service through the Detroit River Tunnel, connecting Detroit to Windsor, Ontario in order to facilitate passenger service between Detroit and Windsor connecting to VIA Rail.*

CPKC continues to work with Amtrak to abide by our commitments in our agreement dated December 17, 2021.

New Orleans to Baton Rouge: CPKC representatives are working to review the draft feasibility study being completed by LADOTD and identify what upgrades are needed to initiate service.

Meridian, Mississippi and Dallas, Texas ("I-20 corridor service"): CPKC representatives have made clear CPKC's willingness to participate in a study with the other stakeholders, including the other Class I railroads (Union Pacific and Norfolk Southern). CPKC representatives attended meetings on Capitol Hill with the Southern Rail Commission in support of studying the service and submitted a support letter for the Southern Rail Commission's I-20 service grant application.

Hiawatha: CPKC has been working with stakeholders from Amtrak and Wisconsin DOT on the agreed upon infrastructure projects around the Milwaukee area needed to add an eighth round trip.

Twin Cities-Milwaukee-Chicago ("Great River Service") corridor: Schedules for first round trip have been approved and CPKC is awaiting Amtrak to start the new Great River Service. Additionally, CPKC has been engaged with stakeholders on the new infrastructure projects required for the additional train pairs on this corridor. The projects are in the design stage and construction is slated to begin in spring of 2024.

Detroit to Windsor: CPKC is engaged with Amtrak on establishing this service. CPKC is waiting for Amtrak to present the proposed route and details on the new service.

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*MM-Rail-01. The Applicants shall comply with the SIP prepared under 49 C.F.R. part 1106 and 49 C.F.R. § 244.9, which may be updated as necessary, and shall continue to coordinate with FRA in implementing the SIP during the operations integration period. The ongoing safety integration process shall continue until FRA has informed the Board that the integration of Applicants' operations has been safely completed.*

CPKC continues to progress the integration plans set out in its approved Safety Integration Plan (SIP) and has regular communication with the FRA regarding the SIP.

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*VM-Grade Crossing-01. Although the Applicants have not identified any grade crossings that would require mitigation based on precedent established in other approved mergers, the Applicants will, upon request, work with potentially affected communities in support of securing funding, in conjunction with appropriate state agencies, for crossing mitigation projects where they may be appropriate under criteria established by relevant state transportation departments to increase the safety of existing at-grade crossings.*

CPKC provided grant application support letters at the federal and state level for each community in the scope of environmental review, including Davenport and Muscatine, IA, as well as other relevant stakeholders that requested such letters, including Louisiana Department of Transportation and Development and the Southern Rail Commission.

Additionally, CPKC has accepted an invitation to participate in the Gulf Coast Rail District's Houston Area Rail Transformation (HART) Working Group. The HART working group is stakeholders joining together to produce a collaborative and programmatic approach to leverage public and private funding opportunities for railroad projects in the Houston region.

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*VM-Grade Crossing-02. The Applicants will operate under the General Code of Operating Rules rule numbers 6.32.6 (Blocked Public Crossings) and 6.32.4 (Clear of Crossings and Signal Circuits), which*

*provide that, when practical, a standing train or switching movement must avoid blocking a public crossing longer than 10 minutes and, when practical, cars, engines and other equipment should not be left standing closer than 250 feet from a road crossing when there is an adjacent track.*

CPKC does not currently have an automated system in place that generates data regarding all stopped trains blocking crossings for longer than 10 minutes. For the purpose of this first quarterly compliance report, CPKC is replying on calls from the public to the Public Safety Communication Center / Community Connect line. It is important to note that CPKC does not have a way to confirm the validity of all reports received.

During the reporting period, CPKC received reports of 116 unique incidents to PSCC / Community Connect regarding trains blocking crossing (some incidents resulted in more than one call). These incidents can be broken down as:

- 91 reports from Iowa (including 33 from Scott County, 16 from Clinton, 15 from Wapello County and 12 from Muscatine)
- 17 reports from Illinois (including 8 from Cook County and 4 from Dupage County)
- 5 reports from Missouri
- 2 reports from Louisiana
- 1 report from Oklahoma

CPKC is additionally exploring options for an automated system that would generate data to review blocked crossing complaints.

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*VM-Grade Crossing-03. The Applicants will consult with potentially affected communities to improve visibility at roadway/rail at-grade crossing by clearing vegetation where practicable.*

CPKC representatives have received one inquiry about vegetation and sight lines from a landowner in an unincorporated area west of Washington, IA and is in discussions with the landowner to address the issue.

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*VM-Grade Crossing-04. Where practicable, the Applicants will investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary longer than 10 minutes at a single location.*

As part of the Bellevue Siding Capital Improvement Project, CPKC Engineers have designed an alternate access route to several homes located between the tracks and the Mississippi River which the residents will be able to use when a train stopped in the siding is blocking their primary crossing.

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*VM-Grade Crossing-06. The Applicants will notify Emergency Services Dispatching Centers for potentially affected communities of all crossings blocked by trains that are stopped and may be unable to move for a significant period of time.*

During the reporting period, the CPKC Public Safety Communications Center routinely provided notice to local Emergency Services Dispatching Centers along the Chicago, IL to Laredo, TX corridor on those occasions when a train which was blocking a crossing and wouldn't be able to move for a significant period of time.

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*MM-Grade Crossing-01. The Applicants shall consult with appropriate state Departments of Transportation and other appropriate agencies, including the Illinois Commerce Commission for grade crossings in Illinois, prior to constructing, relocating, upgrading, or modifying grade crossings as part of the acquisition, including grade crossing warning devices, and shall abide by those agencies' reasonable requirements for the design of grade crossings and associated warning devices.*

CPKC representatives are currently working with MoDOT and ICC/IDOT to set a date for an introductory meeting as well as to discuss the potential for a regular cadence of meetings. A meeting with TxDOT is set for August.

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*VM-Noise-01. The Applicants will fund the improvements necessary to allow any potentially affected community with an existing Quiet Zone to maintain that designation should the increase in merger related train traffic cause that community to fall out of compliance with FRA regulations.*

No community with an existing Quiet Zone has fallen out of compliance with FRA regulations as a result of merger related train traffic increases.

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*MM-Noise-01. To minimize noise and vibration, the Applicants shall maintain rail and rail beds according to American Railway Engineering and Maintenance-of-Way Association standards.*

Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable AREMA standards and FRA regulations and did not receive any fines or notices of a recommended violation from the FRA related to the maintenance of the rail or rail bed.

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*MM-Noise-02. The Applicants shall comply with FRA regulations establishing decibel limits for train operations.*

Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable FRA regulations and did not receive any fines or notices of a recommended violation from the FRA related to the decibel limits for train operations.

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*MM-Noise-03. The Applicants shall consider lubricating curves where doing so would both be consistent with safe and efficient operating practices and significantly reduce noise for residential or other noise sensitive receptors.*

CPKC anticipates beginning work on this measure in the second half of 2023.

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*MM-Noise-04. The Applicants shall employ safe and efficient operating procedures that, in lieu of, or as complement to, other noise mitigation measures can have the collateral benefit of effectively reducing noise from train operations. Such procedures may include:*

- a) Inspecting rail car wheels to maintain wheels in good working order and minimize the development of wheel flats;*
- b) Inspecting new and existing rail for rough surfaces and, where appropriate, grinding these surfaces to provide a smooth rail surface during operations;*
- c) Regularly maintaining locomotives and keeping mufflers in good working order; and*
- d) Removing or consolidating switches that the Applicants determine are no longer needed.*

- a) Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable FRA regulations and did not receive any fines or notices of a recommended violation from the FRA related to the maintenance of railcar wheels.
- b) CPKC completed approximately 750 miles of mainline production rail grinding during the quarter on the Shreveport, Heavener and Pittsburg Subdivisions.
- c) As part of CPKC's routine locomotive maintenance program, mufflers and other components of the exhaust system are inspected at regular intervals and repaired as required. Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable FRA regulations and did not receive any fines or notices of a recommended violation from the FRA related to the maintenance of locomotive mufflers.
- d) Since the control date on April 14, 2023, CPKC removed three switches which were determined to be no longer needed including one in Bensenville and two on the Pittsburg Subdivision.

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*MM-Noise-05. The Applicants shall promptly respond to community inquiries concerning the establishment of Quiet Zones and assist communities in identifying supplemental or alternative safety measures, practical operational methods, or technologies that may enable the community to establish Quiet Zones in accordance with FRA's final rule on the "Use of Locomotive Horns at Highway-Rail Grade Crossings."*

CPKC has received inquiries on quiet zones, and is assisting communities in their efforts to pursue quiet zones. CPKC has heard from, and is working with, Davenport, Bettendorf, Muscatine, Le Claire, and Clinton, IA, as well as the Coalition Communities, Pingree Grove and Hampshire, IL.

Washington, IA voted on March 7, 2023, not to pursue a quiet zone at this time following its receipt of a CPKC funded study analyzing the community's quiet zone options.

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*VM-Air-01. The Applicants commit to developing Green House Gas (GHG) reduction targets for the combined network and request verification as appropriate from the Science Based Targets initiative (SBTi). As reference, CP's current SBTi approved target is a 38.3% reduction in well-to-wheels GHG emissions (on an intensity basis) from locomotive operations by 2030 compared to a 2019 base year. CP has also committed to 27.5% GHG reduction (on an absolute basis) by 2030 compared to a 2019 base year for non-locomotive Scope 1 and Scope 2 emissions. KCS has a SBTi target to reduce Scope 1 and 2 GHG emissions by 42% by 2034.*

As publicly announced on June 8, 2023, CPKC has set an SBTi validated target of reducing Scope 1,2 and 3 well-to-wheel locomotive GHG emissions 36.9% per gross ton-mile by 2030 compared to a 2020 base year. This aligns with SBTi's sectoral-based approach for freight railroads and a well-below 2°C global warming scenario.

CPKC also joined the SBTi's Business Ambition for 1.5°C global campaign, which includes alignment in supporting the global economy to achieve net-zero emissions by 2050. CPKC has committed to now developing a 1.5°C aligned emissions reduction target.

On March 31, 2023, Canadian Pacific provided a letter of support for Nebraska Public Power District's (NPPD) application for the Regional Clean Hydrogen Hubs Grant (DE-FOA-0002779) to be accepted by the Office of Clean Energy Demonstrations (OCED). NPPD serves as the prime applicant for the Mid-Continent Clean Hydrogen Hub (MCH2) jointly formed by the states of Nebraska, Iowa, and

Missouri. As CPKC's Hydrogen Locomotive Program continues to expand, CPKC will require access to clean hydrogen fuel to support our rail operations and customer services requirements within the MCH2 area. Successful commercialization of hydrogen-based rail transportation in the Midwest will require production and distribution of hydrogen. Department of Energy support for the development of the MCH2 will help provide this necessary infrastructure.

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*VM-Air-02. The Applicants commit to undertaking a combined network in-depth climate scenario analysis aligned to Task Force on Climate-related Financial Disclosures (TCFD) recommendations to understand how a changing climate may impact CPKC. The Applicants further commit to improving the resiliency of the combined network to the physical risks of climate change through its capital program.*

CPKC is planning to undertake the combined network in-depth climate scenario analysis in 2024. This climate scenario analysis will help identify the areas of CPKC's network most at risk from the physical risks of climate change and help guide CPKC's Capital Program in future years.

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*VM-Air-03. As part of the ongoing reconfiguration of Bensenville Yard (a non-merger related project being undertaken as part of the development of the Illinois Tollway's Elgin O'Hare Western Access Project), the Applicants commit to undertake studies to identify ways to reduce the GHG emissions (and by extension, also reduce other air emissions) at Bensenville Yard.*

CPKC has received the technical report from the consultant retained to identify opportunities to reduce GHG emissions from Bensenville Yard and is in the process of reviewing.

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*VM-Air-04. The Applicants will comply with U.S. Environmental Protection Agency (EPA) emissions standards for diesel-electric railroad locomotives when purchasing and rebuilding locomotives.*

CPKC did not take possession of any new or rebuilt locomotives during the quarter.

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*VM-Air-05. The Applicants will develop an anti-idling policy for use in potentially affected communities on the combined network. The policy will capture both idling of construction equipment used on the Capital Improvement Projects as well as ongoing operations.*

CPKC has issued an Anti-Idling Guideline for use by CPKC's contractors on the construction of the Capital Improvement Projects. CPKC is in the process of developing a company-wide Anti-Idling Policy which

will apply to all non-locomotive combustion engines (locomotive idling is subject the respective operating rules and regulations of Canada, the United States, and Mexico).

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*VM-Biological-12. The Applicants will ensure that any herbicides used in ROW maintenance to control vegetation are approved by EPA and are applied by licensed individuals who will limit application to the extent necessary for safe rail operations. Herbicides will be applied so as to prevent or minimize drift off of the ROW onto adjacent areas.*

CPKC confirms all herbicide used in the reporting quarter was approved by the EPA and applied by licensed applicators. CPKC did not receive any reports of overspray or herbicide drift impacting areas adjacent to the ROW.

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*VM-Water-01. The Applicants commit to remaining compliant with 33 C.F.R. Part 117 Drawbridge Operation Regulations.*

Since the Control Date on April 14, 2023, CPKC has been in compliance with all applicable US Coast Guard regulations and did not receive any fines or notices of a recommended violation from the USCG related to the operation of drawbridges.

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*VM-EJ-01. The Applicants will use CP's experience building relationships with First Nations in Canada to engage with federally recognized Indian tribes in the U.S.*

CPKC representatives met with representatives from the White Earth Nation Reservation. Additionally, CPKC has initiated outreach to the federally recognized Indian tribes on the merger corridor to start building relationships.

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*VM-EJ-02. The Applicants will make Operation Lifesaver programs available to potentially affected communities, including schools and other organizations (Operation Lifesaver is a non-profit education and awareness program that helps increase the public's awareness of the dangers around rail lines).*

Since the control date on April 14, 2023, CPKC Police Officers completed six Operation Lifesaver events. These included training for first responders, presentations to school groups and participation in a community's Railway Days.

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*MM-EJ-01. The Applicants shall conduct proactive and targeted outreach to minority and low-income communities that would experience adverse noise impacts as a result of the acquisition to provide information about the process for establishing Quiet Zones. The Applicants shall assist interested communities in identifying supplemental or alternative safety measures, practical operational methods, or technologies that may enable the community to establish Quiet Zones in accordance with FRA's final rule on the "Use of Locomotive Horns at Highway-Rail Grade Crossings."*

CPKC is engaging with all communities that have requested information about quiet zones. The Coalition Communities and Davenport and Muscatine, IA have minority and low-income communities within their cities, and CPKC has engaged with city leadership on quiet zone inquiries.

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*VM-Community-01. The Applicants commit that the new CPKC will meet regularly with community representatives in the Houston area. If those communities experience merger-related impacts, CPKC will work with them on ways to address their concerns. CPKC will also participate alongside other railroads serving Houston—notwithstanding that it will own no track there—to work cooperatively with communities to address the impacts of rail operations in the region.*

On May 8-9, 2023, CPKC representatives met with Houston stakeholders, including the office of Harris County Commissioner Rodney Ellis and Houston City Councilmember Gallegos, and attended an FRA grade crossing safety summit in Houston. At the community meetings, CPKC informed Houston and Harris County stakeholders that Andy Cummings will be the Houston-area community liaison.

CPKC received questions about which lines new merger traffic would traverse as well as concerns about blocked crossings on Union Pacific tracks, including where CPKC does not have operations. CPKC representatives provided personal cell phone numbers as well as emergency and community reporting numbers.

CPKC has met with multiple legislators that represent the greater Houston area and has joined the Gulf Coast Rail District's Houston Area Rail Transformation (the HART) working group. HART is comprised of stakeholders joining together to produce a collaborative and programmatic approach to leverage public and private funding opportunities for railroad projects in the region.

CPKC has also reached out to Union Pacific government/public affairs representatives within Texas and inquired on developing a regular engagement to identify and work to mitigate local issues in a collaborative fashion.

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*VM-Community-02. The Applicants will provide community leaders in Houston with ways to report issues. CP has a "Community Connect" webpage that provides contact information, answers frequently asked questions, and offers other resources that will remain active for the new CPKC system. CP also has a Public Safety Communication Centre that operates 24 hours a day, 365 days a year with trained communication officers who can be reached toll-free at 1-800-716-9132. Calls into that Centre, which*

*includes the Community Connect line and CP's emergency lines, are tracked using sophisticated Computer Aided Dispatch (CAD) software. The communication officers in this Centre are trained to handle a range of issues, from a blocked crossing to a trespasser, and they regularly coordinate the involvement of other railroads as required for any specific incident.*

CPKC has communicated the different ways to reach CPKC to Houston area community leaders. While CPKC did not receive any call to the Community Connect line from the Houston area, it did pass on notification of six incidents to Union Pacific through the Public Safety Communications Center

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*VM-Community-03. The Applicants will work with certain Chicago area communities with which they have not been able to reach agreements—DuPage County, the Village of Bartlett, the Village of Bensenville, the City of Elgin, the Village of Itasca, the Village of Hanover Park, the Village of Roselle, the City of Wood Dale, and the Village of Schaumburg—to mitigate potential acquisition-related environmental impacts. Specifically, they will work with them to accomplish:*

- Subject to necessary FRA approvals and practicability, funding efforts towards the creation and implementation of quiet zones, including the costs of installation.*
- Installing and funding a predictive mobility system, interconnected with existing railroad crossing signals, that will deliver advanced notice of blocked crossings to citizens, police, fire, and rescue operations, and others.*
- Installing and funding ITS Interconnect for Advanced Warning Signs at strategic locations to give drivers information about occupied crossings, allowing them to make better on-the-spot decisions.*
- Installing and funding Positive Train Control wireless technology tie-ins at crossings adjacent to Metra platforms, which will minimize the activation of crossing lights and gates.*

*With respect to the work described above, the Applicants anticipate that the Applicants or their subcontractors will perform the work. In the case of instances where work may be performed by others, the Applicants would reimburse reasonable and customary charges for such work. Because Metra owns the trackage that CP uses in these communities, Metra would have to approve the implementation of these mitigation measures. The Applicants would work with Metra, the communities, and any other relevant agencies to seek approvals.*

CPKC representatives, including CPKC's community liaison for Chicago, Larry Lloyd, met with the Coalition Communities on April 11 and June 8, 2023, with two follow-ups scheduled for July and August. CPKC representatives requested that Metra join, as they will be a key party to implementing the above mitigation. CPKC representatives brought subject matter experts to discuss the above technologies at the request of the Coalition Communities. CPKC outlined a roadmap for implementation, and CPKC has been working to identify vendors that can supply and install the above technologies. CPKC received specific inquiries and requests for technology specifications and will work with communities to have a briefing with potential vendor choices so the Coalition Communities can ask questions. At the same

time, CPKC has outlined for communities the next steps for meetings about individual quiet zones. CPKC is also participating in a safety-specific meeting with individual Coalition Communities to discuss hazardous materials response training.

CPKC is also working towards meetings with individual members of the Coalition to address specific localized concerns.

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*MM-Community-01. The Applicants shall comply with the terms of the agreements reached between the Applicants and the City of Davenport, Iowa; the City of Bettendorf, Iowa; the City of Muscatine, Iowa; the City of LeClaire, Iowa; the City of Clinton, Iowa; the City of Washington, Iowa; the City of Fruitland, Iowa; the Village of Hampshire, Illinois; the Village of Pingree Grove, Illinois; and the City of Liberty, Missouri.*

All of the above agreements containing a cash component have been paid or are only waiting on the completion of paperwork to facilitate the electronic transfer of funds. Additionally, CP executed a community investment agreement with the City of Riverdale, Iowa, on May 26, 2023, and the initial cash commitment of the Riverdale agreement has also been paid. CPKC is working with Davenport on a grade separation and road closure after supporting a successful grant application by the city. CPKC is also working with Hampshire and Pingree Grove, IL, to complete the terms of those agreements. Finally, discussions to reach a community investment agreement continue in one additional community.

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*MM-Community-02. If Applicants reach additional agreements with communities or other entities following publication of this Final EIS, the Applicants shall notify the Board, and the Board will impose a condition that requires the Applicants to comply with the terms of the agreement.*

CPKC executed an agreement with Riverdale, IA, on May 26, 2023, and continues to discuss an agreement with one additional community.

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*MM-Community-03. To facilitate compliance with VM-Community-01 and VM Community-02, the Applicants shall establish a Community Liaison to consult with Houston area community leaders. The Community Liaison shall be available for public meetings and to conduct periodic outreach to mayors and appropriate local officials. The Applicants shall establish and staff the Community Liaison position for a period of seven years following the Board's final decision authorizing the acquisition. The Applicants shall provide the name, telephone number, and email address of the Community Liaison to the Houston mayor and Harris County officials.*

CPKC has appointed Andy Cummings as the Community Liaison for the Houston area. Mr. Cumming's contact information has been provided to Houston area officials.

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*MM-Community-04. To facilitate compliance with VM-Community-03, the Applicants shall establish a Community Liaison to consult with leaders of Chicago area communities referenced in that mitigation measure (the Village of Itasca, the Village of Bensenville, the City of Wood Dale, the Village of Roselle, the Village of Schaumburg, the Village of Hanover Park, the Village of Bartlett, the City of Elgin, and DuPage County). The Community Liaison shall be available for public meetings and to conduct periodic outreach to mayors and appropriate local officials. The Applicants shall establish and staff the Community Liaison position for a period of seven years following the approval of the acquisition. The Applicants shall provide the name, telephone number, and email address of the Community Liaison to mayors and other appropriate local officials in each community listed above.*

CPKC has appointed Larry Lloyd as the Community Liaison for the Chicago area. Mr. Lloyd's contact information has been provided to Chicago area officials.

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## Construction Mitigation Measures

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### Turkey River, IA – New Siding

In this quarter, CPKC progressed design work on the proposed Turkey River siding. No physical construction was undertaken at this site.

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### Bellevue, IA – New Siding

In this quarter, CPKC initiated construction on the new siding at Bellevue. The pre-construction compliance checklist for this project is appended to this report.

CPKC has an environmental monitor on site full time during construction activities. No non-compliances with the construction related mitigation measures were observed during the quarter.

CPKC has an archaeological monitor on site full time during ground disturbing activities. There were no archaeological or historical finds at the project site during the quarter.

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#### Monroe, IL – New Siding

In this quarter, CPKC progressed design and environmental permitting work on the proposed Monroe Siding. It is anticipated that tendering of the project to contractors and the start of construction will occur in the next reporting quarter.

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#### Deer Creek, IA – Siding Extension

In this quarter, CPKC initiated construction on the siding extension at Deer Creek. The pre-construction compliance checklist for this project is appended to this report.

CPKC has an environmental monitor on site full time during construction activities. No non-compliances with the construction related mitigation measures were observed during the quarter.

CPKC has an archaeological monitor on site full time during ground disturbing activities. There were no archaeological or historical finds at the project site during the quarter.

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#### Camanche, IA – Siding Extension

In this quarter, CPKC progressed design and environmental permitting work on the proposed Camanche Siding extension. No physical construction was undertaken at this site.

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#### Letts, IA – Siding Extension

In this quarter, CPKC did not undertake any work at the proposed Letts Siding extension.

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#### Washington, IA – New Siding

In this quarter, CPKC initiated construction on the new siding at Washington. The pre-construction compliance checklist for this project is appended to this report.

CPKC has an environmental monitor on site full time during construction activities. No non-compliances with the construction related mitigation measures were observed during the quarter.

CPKC has an archaeological monitor on site full time during ground disturbing activities. There were no archaeological or historical finds at the project site during the quarter.

There was one incident of note at this site in the reporting quarter: On April 24<sup>th</sup> an excavator leaked approximately 5 gallons of hydraulic fluid from a hose. In alignment with the Spill Control and Response Plan, as the spill was over the state reporting threshold, this was reported to both the CPKC Public Safety Communication Center and the Iowa Department of Natural Resources (Spill #042423-JDF1737) and then cleaned up using the response materials on site.

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#### Ottumwa, IA – Siding Extension

In this quarter, CPKC did not undertake any work at the proposed Ottumwa Siding extension.

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#### Moravia, IA – New Siding

In this quarter, CPKC progressed design and environmental permitting work on the proposed Moravia Siding. No physical construction was undertaken at this site.

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#### Newtown, MO – Siding Extension

In this quarter, CPKC initiated construction on the siding extension at Newtown. The pre-construction compliance checklist for this project is appended to this report.

CPKC has an environmental monitor on site full time during construction activities. No non-compliances with the construction related mitigation measures were observed during the quarter.

CPKC has an archaeological monitor on site full time during ground disturbing activities. There were no archaeological or historical finds at the project site during the quarter.

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#### Laredo, MO – Siding Extension

In this quarter, CPKC initiated construction on the siding extension at Laredo. The pre-construction compliance checklist for this project is appended to this report.

CPKC has an environmental monitor on site full time during construction activities. No non-compliances with the construction related mitigation measures were observed during the quarter.

CPKC has an archaeological monitor on site full time during ground disturbing activities. There were no archaeological or historical finds at the project site during the quarter.

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#### Dawn, MO – New Siding

In this quarter, CPKC progressed design and environmental permitting work on the proposed Dawn Siding. No physical construction was undertaken at this site.

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#### Blue Valley, MO – New Double Track

In this quarter, CPKC progressed design and environmental permitting work on the proposed Blue Valley Double Track. No physical construction was undertaken at this site.

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#### Grandview, MO – New Facility Working Tracks

In this quarter, CPKC progressed design and environmental permitting work on the proposed Grandview / IFG Facility Working Tracks. No physical construction was undertaken at this site.

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#### Asbury, MO – Siding Extension

In this quarter, CPKC progressed design and environmental permitting work on the proposed Asbury Siding extension. No physical construction was undertaken at this site.

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#### Goodman, MO – New Siding

In this quarter, CPKC progressed design and environmental permitting work on the proposed Goodman Siding. No physical construction was undertaken at this site.

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#### Gentry, AR – Siding Extension

In this quarter, CPKC progressed design and environmental permitting work on the proposed Gentry Siding extension. No physical construction was undertaken at this site.

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#### Baron, OK – New Siding

In this quarter, CPKC progressed design and environmental permitting work on the proposed new Baron Siding. No physical construction was undertaken at this site.

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#### Cave Springs, AR – Siding Extension

In this quarter, CPKC progressed design and environmental permitting work on the proposed Cave Springs Siding extension. No physical construction was undertaken at this site.

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#### Spiro, OK – Siding Extension

In this quarter, CPKC completed the design and environmental permitting for the proposed Spiro Siding extension and began the tender process for the project. It is anticipated construction will begin in the next reporting quarter.

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#### Heavener, OK – Siding Extension

In this quarter, CPKC progressed design and environmental permitting work on the proposed Heavener Siding extension. No physical construction was undertaken at this site.

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#### Mena, AR – New Siding

In this quarter, CPKC progressed design and environmental permitting work on the proposed new Mena Siding. No physical construction was undertaken at this site.

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#### Mansfield, LA – Siding Extension

In this quarter, CPKC initiated construction on the siding extension at Mansfield. The pre-construction compliance checklist for this project is appended to this report.

CPKC has an environmental monitor on site full time during construction activities. No non-compliances with the construction related mitigation measures were observed during the quarter.

CPKC has an archaeological monitor on site full time during ground disturbing activities. There was one historic object found (a ceramic telegraph or telephone insulator) during the quarter on May 5th. In alignment with the Cultural Resources Monitoring Plan, the Archaeological Monitor implemented the Inadvertent Discovery Procedure, determined it was an isolated find and contained in a backfill pile (i.e., its original location could not be determined as it had been previously moved by equipment) and then allowed work on site to proceed.

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#### Loring, LA – Siding Extension

In this quarter, CPKC progressed design and environmental permitting work on the proposed Loring Siding extension. No physical construction was undertaken at this site.

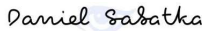
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#### Singer, LA – Siding Extension

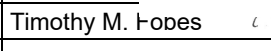
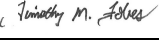
In this quarter, CPKC progressed design and environmental permitting work on the proposed Singer Siding extension. No physical construction was undertaken at this site.

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| Capital Improvement Project Pre-Construction Checklist |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| Project Name: Bellevue                                 |                                                                                                                                                                                    | Subdivision: Marquette                                                                                                                                                                                                                                                                                                               | Mileage: 23.80-25.97 |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| Project Team                                           |                                                                                                                                                                                    | Signatures                                                                                                                                                                                                                                                                                                                           |                      |
| CP Engineering Representative:                         | Daniel Sabatka                                                                                                                                                                     | Daniel Sabatka                                                                                                                                                                                                                                                                                                                       |                      |
| CP Environmental Representative:                       | Joe Van Humbeck                                                                                                                                                                    | Joe Van Humbeck                                                                                                                                                                                                                                                                                                                      |                      |
| Engineering Consultant:                                | Stantec - Ryan Raske                                                                                                                                                               | Ryan Raske                                                                                                                                                                                                                                                                                                                           |                      |
| Environmental Consultant:                              | Pinnacle Engineering - Jeff Melby                                                                                                                                                  | Jeff Melby                                                                                                                                                                                                                                                                                                                           |                      |
| Contractor:                                            | Veit                                                                                                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                  |                      |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| Measure                                                | Requirement                                                                                                                                                                        | Comment                                                                                                                                                                                                                                                                                                                              | Initial              |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| ENGINEERING                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| VM-Grade Crossing-04                                   | Investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary for longer than ten minutes. | Access and/or access alternatives to properties have been investigated. We have designed the the north access road at Bellevue to provide an alternate access if the mid-siding crossing is blocked<br>Access will not be blocked be a stationary train for longer than 10 minutes.                                                  | RPR                  |
| VM-Grade Crossing-05                                   | Consult with local transportation officials regarding road closures and detours required for construction.                                                                         | Road closures and/or detours are not anticipated as a result of construction activities. Any anticipated road closures and/or detours will be coordinated with local transportation officials by the Contractor and/or on site construction manager.                                                                                 | RPR                  |
| VM-Noise-03                                            | Project has been designed with continuously welded rail.                                                                                                                           | All proposed rail will be installed using continuously welded rail (CWR)                                                                                                                                                                                                                                                             | RPR                  |
| VM-Biological-04                                       | Clearing limit drawing prepared.                                                                                                                                                   | Tree Clearing limit drawings were prepared and provided to clearing contractor and clearing limit field representatives overseeing clearing activities.<br>Clearing limit stakes were provided in the field prior to clearing activities.                                                                                            | RPR                  |
| MM-General-03                                          | Project has been designed to remain within the existing Right-of-Way.                                                                                                              | Proposed project infrastructure has been designed to remain within the existing Right-of-Way                                                                                                                                                                                                                                         | RPR                  |
| MM-Cultural-02                                         | Project has been designed to avoid impacting all known historic properties which are potentially eligible for listing on the NRHP.                                                 | OEA did not identify any known historic properties deemed eligible for listing on the NRHP at the Project Site.                                                                                                                                                                                                                      | RPR                  |
| VM-Biological-01                                       | Impacts on sensitive areas minimized to the extent practicable.                                                                                                                    | Wetlands have been delineated. No native prairie or old growth forest identified at the project site.                                                                                                                                                                                                                                | JEM                  |
| VM-Biological-08                                       | All lighting has been designed with downward facing cutoff lenses.                                                                                                                 | Lighting is not proposed and will not be installed as part of this project                                                                                                                                                                                                                                                           | RPR                  |
| VM-Water-07                                            | Impact on wetlands has been minimized to the extent practicable.                                                                                                                   | Wetland impacts have been minimized by utilizing 2:1 embankment side slopes, maintaining pre-development hydrology/hydraulics, and limiting disturbance                                                                                                                                                                              | RPR                  |
| VM-Water-08                                            | H&H Analysis completed and culverts designed to comply with CP's standard for the passage of a 1:100 storm event.                                                                  | Culverts have been designed to comply with the passage of 1:100 year event. 100 year culvert criteria assumes the 100-year water surface elevation (WSE) to be 2' below base of rail per AREMA criteria.                                                                                                                             | RPR                  |
| VM-Water-09                                            | The watercourse crossing structures have been designed with consideration for the passage of aquatic organisms, where practicable.                                                 | Watercourse crossing structures have been designed to match existing watercourse as much as practicable in order to minimize impedance of aquatic organism passage.                                                                                                                                                                  | RPR                  |
| MM-Water-01                                            | Culverts and bridges have been designed to maintain existing drainage patterns and not cause or exacerbate flooding                                                                | Proposed culverts, bridges, and ditching have been designed to maintain existing drainage patterns and meet AREMA, FEMA, EIS, or CP criteria where applicable.                                                                                                                                                                       | RPR                  |
| MM-Water-02                                            | Coordination with FEMA has occurred if greater than 1 foot rise in 1:100 flood elevation                                                                                           | Proposed structures within FEMA zone(s) do not exceed 1 foot rise in 1:100 flood elevation. Accordingly, Coordination with FEMA is not required.                                                                                                                                                                                     | RPR                  |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| Tender                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| VM-EJ-03                                               | A minimum of 15% of the bid evaluation was allocated to the inclusion of minority and tribal owned businesses and employees.                                                       | Our evaluation of contractor proposals includes a 15% weight for the inclusion of minority and tribal owned businesses.                                                                                                                                                                                                              | DWS                  |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| ENVIRONMENT                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| MM-Cultural-01                                         | Archaeological monitoring plan has been developed and training material prepared.                                                                                                  | The archaeological monitoring plan and training material has been prepared by an SOI Qualified Archaeologist and reviewed by the OEA and appropriate THPOs.                                                                                                                                                                          | JVH                  |
| VM-Biological-01                                       | Habitat along length of project assessed and sensitive areas identified.                                                                                                           | No critical habitats identified from review of USFWS IPaC Website. A mussel survey conducted in Spruce Creek in the fall of 2022 did not identify mussels on the federal or IDNR threatened and endangered (T&E) species list. Wetlands have been delineated. No native prairie or old growth forest identified at the project site. | JEM                  |
| MM-Haz. Mat.-05                                        | Complete a Phase 1, and if required Phase 2, ESA prior to initiating construction.                                                                                                 | A Phase 1 ESA was completed for the project area. No further investigation (i.e., a Phase 2 ESA) is recommended for the project area.                                                                                                                                                                                                | JVH                  |
| VM-Biological-13                                       | Plans developed to manage any eagle nests in proximity to the construction area.                                                                                                   | No eagles nests were identified while performing wetland delineation field activities.                                                                                                                                                                                                                                               | JEM                  |
| MM-Biological-02                                       | USFWS list of T&E species and critical habitats has been consulted to ensure no additions in the vicinity of the project site.                                                     | No critical habitats identified from review of USFWS IPaC Website. A mussel survey conducted in Spruce Creek in the fall of 2022 did not identify mussels on the federal or IDNR threatened and endangered (T&E) species list. The T&E memo should be provided to the contractor and environmental monitor.                          | JEM                  |
| VM-Water-02                                            | Water Quality Certification has been obtained.                                                                                                                                     | IDNR 401 certification automatically granted for work approved by ACOE under a Nationwide Permit (NWP).                                                                                                                                                                                                                              | JEM                  |
| VM-Water-03                                            | Clean Water Act Sec. 404 Approval has been obtained.                                                                                                                               | Clean Water Act 404 approval obtained from ACOE (3/1/2023 letter) authorizing work under NWP 14.                                                                                                                                                                                                                                     | JEM                  |
| VM-Water-05                                            | A site specific SWPPP has been developed.                                                                                                                                          | A site specific SWPPP has been developed and will be on site prior to construction.                                                                                                                                                                                                                                                  | RPR                  |
| VM-Water-06                                            | A site specific Water Quality Monitoring Plan has been developed.                                                                                                                  | A site specific Water Quality monitoring plan has been developed and will be on site prior to construction.                                                                                                                                                                                                                          | RPR                  |
| VM-Water-07                                            | Wetland compensation has been arranged for.                                                                                                                                        | No compensatory wetland mitigation is required by ACOE for the project.                                                                                                                                                                                                                                                              | JEM                  |
| MM-Water-03                                            | A NPDES permit has been obtained for stormwater discharges.                                                                                                                        | A NPDES permit has been obtained. Coverage under IADNR general permit No. 2 for Construction                                                                                                                                                                                                                                         | RPR                  |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| Contractor Plans                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                      |                      |
| VM-Air-07                                              | Contractor written statement that equipment is properly maintained and that mufflers and other required pollution control devices are in working order                             | The contractors confirmed that the equipment being used on the Bellevue Capital Improvement Project is properly maintained and that the mufflers and other required pollution control devices are in working order.                                                                                                                  | JVH                  |
| VM-Haz. Mat.-01                                        | Contractor action plan for the discovery of previously undocumented hazardous materials and contaminated soils, including measures to protect the health and safety of workers     | Contractor has a site specific Health and Safety Plan.                                                                                                                                                                                                                                                                               | DWS                  |
| VM-Haz. Mat.-01                                        | Site specific material management plan developed in alignment with overarching State plan                                                                                          | CPKC developed a master Materials Management Plan which is applicable to all Capital Improvement Projects                                                                                                                                                                                                                            | JVH                  |
| VM-Haz. Mat.-02                                        | Site specific Spill Prevention, Control and Response Plan developed in alignment with overarching State plan.                                                                      | Site specific Spill Pevention, Control and Response Plan has been developed                                                                                                                                                                                                                                                          | JVH                  |

| Capital Improvement Project Pre-Construction Checklist |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| Project Name: Deer Creek                               |                                                                                                                                                                                    | Subdivision: Davenport                                                                                                                                                                                                                                                                                                                                                                                                                                          | Mileage: 151.5-152.5 |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| Project Team                                           |                                                                                                                                                                                    | Signatures                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| CP Engineering Representative:                         | Daniel Sabatka                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                      |
| CP Environmental Representative:                       | Joe Van Humbeck                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                               |                      |
| Engineering Consultant:                                | Stantec - Ryan Raske                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                               |                      |
| Environmental Consultant:                              | Pinnacle Engineering - Jeff Melby                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                               |                      |
| Contractor:                                            | Veit                                                                                                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| Measure                                                | Requirement                                                                                                                                                                        | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Initial              |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| ENGINEERING                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| VM-Grade Crossing-04                                   | Investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary for longer than ten minutes. | Access and/or access alternatives to properties have been investigated. Access will not be blocked by a stationary train for longer than 10 minutes.                                                                                                                                                                                                                                                                                                            | RPR                  |
| VM-Grade Crossing-05                                   | Consult with local transportation officials regarding road closures and detours required for construction.                                                                         | Road closures and/or detours are not anticipated as a result of construction activities. Any anticipated road closures and/or detours will be coordinated with local transportation officials by the Contractor and/or on site construction manager.                                                                                                                                                                                                            | RPR                  |
| VM-Noise-03                                            | Project has been designed with continuously welded rail.                                                                                                                           | All proposed rail will be installed using continuously welded rail (CWR)                                                                                                                                                                                                                                                                                                                                                                                        | RPR                  |
| VM-Biological-04                                       | Clearing limit drawing prepared.                                                                                                                                                   | Tree Clearing limit drawings were prepared and provided to clearing contractor and clearing limit field representatives overseeing clearing activities. Clearing limit stakes were provided in the field prior to clearing activities.                                                                                                                                                                                                                          | RPR                  |
| MM-General-03                                          | Project has been designed to remain within the existing Right-of-Way.                                                                                                              | Proposed project infrastructure has been designed to remain within the existing Right-of-Way                                                                                                                                                                                                                                                                                                                                                                    | RPR                  |
| MM-Cultural-02                                         | Project has been designed to avoid impacting all known historic properties which are potentially eligible for listing on the NRHP.                                                 | OEA did not identify any known historic properties deemed eligible for listing on the NRHP at the Project Site.                                                                                                                                                                                                                                                                                                                                                 | RPR                  |
| VM-Biological-01                                       | Impacts on sensitive areas minimized to the extent practicable.                                                                                                                    | Wetlands have been delineated. No native prairie or old growth forest identified at the project site.                                                                                                                                                                                                                                                                                                                                                           | JEM                  |
| VM-Biological-08                                       | All lighting has been designed with downward facing cutoff lenses.                                                                                                                 | Lighting is not proposed and will not be installed as part of this project                                                                                                                                                                                                                                                                                                                                                                                      | RPR                  |
| VM-Water-07                                            | Impact on wetlands has been minimized to the extent practicable.                                                                                                                   | Wetland impacts have been minimized by utilizing 2:1 embankment side slopes, maintaining pre-development hydrology/hydraulics, and limiting disturbance                                                                                                                                                                                                                                                                                                         | RPR                  |
| VM-Water-08                                            | H&H Analysis completed and culverts designed to comply with CP's standard for the passage of a 1:100 storm event.                                                                  | Culverts have been designed to comply with the passage of 1:100 year event. 100 year culvert criteria assumes the 100-year water surface elevation (WSE) to be 2' below base of rail per AREMA criteria.                                                                                                                                                                                                                                                        | RPR                  |
| VM-Water-09                                            | The watercourse crossing structures have been designed with consideration for the passage of aquatic organisms, where practicable.                                                 | Watercourse crossing structures have been designed to match existing watercourse as much as practicable in order to minimize impedence of aquatic organism passage.                                                                                                                                                                                                                                                                                             | RPR                  |
| MM-Water-01                                            | Culverts and bridges have been designed to maintain existing drainage patterns and not cause or exacerbate flooding                                                                | Proposed culverts, bridges, and ditching have been designed to maintain existing drainage patterns and meet AREMA, FEMA, EIS, or CP criteria where applicable.                                                                                                                                                                                                                                                                                                  | RPR                  |
| MM-Water-02                                            | Coordination with FEMA has occurred if greater than 1 foot rise in 1:100 flood elevation                                                                                           | Proposed structures within FEMA zone(s) do not exceed 1 foot rise in 1:100 flood elevation. Accordingly, Coordination with FEMA is not required.                                                                                                                                                                                                                                                                                                                | RPR                  |
| Tender                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| VM-EJ-03                                               | A minimum of 15% of the bid evaluation was allocated to the inclusion of minority and tribal owned businesses and employees.                                                       | Our evaluation of contractor proposals includes a 15% weight for the inclusion of minority and tribal owned businesses.                                                                                                                                                                                                                                                                                                                                         | DWS                  |
| ENVIRONMENT                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| MM-Cultural-01                                         | Archaeological monitoring plan has been developed and training material prepared.                                                                                                  | The archaeological monitoring plan and training material has been prepared by an SOI Qualified Archaeologist and reviewed by the OEA and appropriate THPOs.                                                                                                                                                                                                                                                                                                     | JVH                  |
| VM-Biological-01                                       | Habitat along length of project assessed and sensitive areas identified.                                                                                                           | No critical habitats identified from review of USFWS IPaC Website. A mussel survey conducted in Deer Creek in the fall of 2022 did not identify mussels on the federal or IDNR threatened and endangered (T&E) species list. The drainage at BR 152.13 was identified by the malacologist as unsuitable for mussels due to stagnant and turbid condition. Wetlands have been delineated. No native prairie or old growth forest identified at the project site. | JEM                  |
| MM-Haz. Mat.-05                                        | Complete a Phase 1, and if required Phase 2, ESA prior to initiating construction.                                                                                                 | A Phase 1 ESA was completed for the project area. No further investigation (i.e., a Phase 2 ESA) is recommended for the project area.                                                                                                                                                                                                                                                                                                                           | JVH                  |
| VM-Biological-13                                       | Plans developed to manage any eagle nests in proximity to the construction area.                                                                                                   | No eagles nests were identified while performing wetland delineation field activities.                                                                                                                                                                                                                                                                                                                                                                          | JEM                  |
| MM-Biological-02                                       | USFWS list of T&E species and critical habitats has been consulted to ensure no additions in the vicinity of the project site.                                                     | No critical habitats identified from review of USFWS IPaC Website. A mussel survey conducted in Deer Creek in the fall of 2022 did not identify mussels on the federal or IDNR threatened and endangered (T&E) species list. The T&E memo should be provided to the contractor and environmental monitor.                                                                                                                                                       | JEM                  |
| VM-Water-02                                            | Water Quality Certification has been obtained.                                                                                                                                     | IDNR 401 certification automatically granted for work approved by ACOE under a Nationwide Permit (NWP).                                                                                                                                                                                                                                                                                                                                                         | JEM                  |
| VM-Water-03                                            | Clean Water Act Sec. 404 Approval has been obtained.                                                                                                                               | Clean Water Act 404 approval from ACOE (2/9/2023 letter) authorizing work under NWP 14 is contingent upon purchase of wetland credits from the Elk Hollow Mitigation Bank when the bank receives approval from ACOE to sell credits.                                                                                                                                                                                                                            | JEM                  |
| VM-Water-05                                            | A site specific SWPPP has been developed.                                                                                                                                          | A site specific SWPPP has been developed and will be on site prior to construction.                                                                                                                                                                                                                                                                                                                                                                             | RPR                  |
| VM-Water-06                                            | A site specific Water Quality Monitoring Plan has been developed.                                                                                                                  | A site specific Water Quality monitoring plan has been developed and will be on site prior to construction.                                                                                                                                                                                                                                                                                                                                                     | RPR                  |
| VM-Water-07                                            | Wetland compensation has been arranged for.                                                                                                                                        | Compensatory wetland mitigation is required by ACOE for the project. The credits aren't available for purchase by CP until the Elk Hollow Mitigation Bank receives its final approval from ACOE to sell credits.                                                                                                                                                                                                                                                | JEM                  |
| MM-Water-03                                            | A NPDES permit has been obtained for stormwater discharges.                                                                                                                        | A NPDES permit has been obtained. Coverage under IADNR general permit No. 2 for Construction                                                                                                                                                                                                                                                                                                                                                                    | RPR                  |
| Contractor Plans                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| VM-Air-07                                              | Contractor written statement that equipment is properly maintained and that mufflers and other required pollution control devices are in working order                             | The contractors confirmed that the equipment being used on the Deer Creek Capital Improvement Project is properly maintained and that the mufflers and other required pollution control devices are in working order.                                                                                                                                                                                                                                           | JVH                  |
| VM-Haz. Mat.-01                                        | Contractor action plan for the discovery of previously undocumented hazardous materials and contaminated soils, including measures to protect the health and safety of workers     | Contractor has a site specific Health and Safety Plan.                                                                                                                                                                                                                                                                                                                                                                                                          | DWS                  |
| VM-Haz. Mat.-01                                        | Site specific material management plan developed in alignment with overarching State plan                                                                                          | CPKC developed a master Materials Management Plan which is applicable to all Capital Improvement Projects                                                                                                                                                                                                                                                                                                                                                       | JVH                  |
| VM-Haz. Mat.-02                                        | Site specific Spill Prevention, Control and Response Plan developed in alignment with overarching State plan.                                                                      | Site specific Spill Prevention, Control and Response Plan has been developed                                                                                                                                                                                                                                                                                                                                                                                    | JVH                  |

| Capital Improvement Project Pre-Construction Checklist |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| Project Name: Washington                               |                                                                                                                                                                                    | Subdivision: Ottumwa                                                                                                                                                                                                                                                                                                                             | Mileage: 253.30-255.80 |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| Project Team                                           |                                                                                                                                                                                    | Signatures                                                                                                                                                                                                                                                                                                                                       |                        |
| CP Engineering Representative:                         | Daniel Sabatka                                                                                                                                                                     | <i>Daniel Sabatka</i>                                                                                                                                                                                                                                                                                                                            |                        |
| CP Environmental Representative:                       | Joe Van Humbeck                                                                                                                                                                    | <i>Joe Van Humbeck</i>                                                                                                                                                                                                                                                                                                                           |                        |
| Engineering Consultant:                                | Stantec - Ryan Raske                                                                                                                                                               | <i>Ryan Raske</i>                                                                                                                                                                                                                                                                                                                                |                        |
| Environmental Consultant:                              | Pinnacle Engineering - Jeff Melby                                                                                                                                                  | <i>Jeff Melby</i>                                                                                                                                                                                                                                                                                                                                |                        |
| Contractor:                                            | Veit                                                                                                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                              |                        |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| Measure                                                | Requirement                                                                                                                                                                        | Comment                                                                                                                                                                                                                                                                                                                                          | Initial                |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| ENGINEERING                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| VM-Grade Crossing-04                                   | Investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary for longer than ten minutes. | Access and/or access alternatives to properties have been investigated. Access will not be blocked by a stationary train for longer than 10 minutes.                                                                                                                                                                                             | RPR                    |
| VM-Grade Crossing-05                                   | Consult with local transportation officials regarding road closures and detours required for construction.                                                                         | Road closures and/or detours are not anticipated as a result of construction activities. Any anticipated road closures and/or detours will be coordinated with local transportation officials by the Contractor and/or on site construction manager.                                                                                             | RPR                    |
| VM-Noise-03                                            | Project has been designed with continuously welded rail.                                                                                                                           | All proposed rail will be installed using continuously welded rail (CWR)                                                                                                                                                                                                                                                                         | RPR                    |
| VM-Biological-04                                       | Clearing limit drawing prepared.                                                                                                                                                   | Tree Clearing limit drawings were prepared and provided to clearing contractor and clearing limit field representatives overseeing clearing activities. Clearing limit stakes were provided in the field prior to clearing activities.                                                                                                           | RPR                    |
| MM-General-03                                          | Project has been designed to remain within the existing Right-of-Way.                                                                                                              | Proposed project infrastructure has been designed to remain within the existing Right-of-Way                                                                                                                                                                                                                                                     | RPR                    |
| MM-Cultural-02                                         | Project has been designed to avoid impacting all known historic properties which are potentially eligible for listing on the NRHP.                                                 | OEA did not identify any known historic properties deemed eligible for listing on the NRHP at the Project Site.                                                                                                                                                                                                                                  | RPR                    |
| VM-Biological-01                                       | Impacts on sensitive areas minimized to the extent practicable.                                                                                                                    | Wetlands have been delineated. No native prairie or old growth forest identified at the project site.                                                                                                                                                                                                                                            | JEM                    |
| VM-Biological-08                                       | All lighting has been designed with downward facing cutoff lenses.                                                                                                                 | Lighting is not proposed and will not be installed as part of this project                                                                                                                                                                                                                                                                       | RPR                    |
| VM-Water-07                                            | Impact on wetlands has been minimized to the extent practicable.                                                                                                                   | Wetland impacts have been minimized by utilizing 2:1 embankment side slopes, maintaining pre-development hydrology/hydraulics, and limiting disturbance                                                                                                                                                                                          | RPR                    |
| VM-Water-08                                            | H&H Analysis completed and culverts designed to comply with CP's standard for the passage of a 1:100 storm event.                                                                  | Culverts have been designed to comply with the passage of 1:100 year event. 100 year culvert criteria assumes the 100-year water surface elevation (WSE) to be 2' below base of rail per AREMA criteria.                                                                                                                                         | RPR                    |
| VM-Water-09                                            | The watercourse crossing structures have been designed with consideration for the passage of aquatic organisms, where practicable.                                                 | Watercourse crossing structures have been designed to match existing watercourse as much as practicable in order to minimize impedance of aquatic organism passage.                                                                                                                                                                              | RPR                    |
| MM-Water-01                                            | Culverts and bridges have been designed to maintain existing drainage patterns and not cause or exacerbate flooding                                                                | Proposed culverts, bridges, and ditching have been designed to maintain existing drainage patterns and meet AREMA, FEMA, EIS, or CP criteria where applicable.                                                                                                                                                                                   | RPR                    |
| MM-Water-02                                            | Coordination with FEMA has occurred if greater than 1 foot rise in 1:100 flood elevation                                                                                           | Proposed structures within FEMA zone(s) do not exceed 1 foot rise in 1:100 flood elevation. Accordingly, Coordination with FEMA is not required.                                                                                                                                                                                                 | RPR                    |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| Tender                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| VM-EJ-03                                               | A minimum of 15% of the bid evaluation was allocated to the inclusion of minority and tribal owned businesses and employees.                                                       | Our evaluation of contractor proposals includes a 15% weight for the inclusion of minority and tribal owned businesses.                                                                                                                                                                                                                          | DWS                    |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| ENVIRONMENT                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| MM-Cultural-01                                         | Archaeological monitoring plan has been developed and training material prepared.                                                                                                  | The archaeological monitoring plan and training material has been prepared by an SOI Qualified Archaeologist and reviewed by the OEA and appropriate THPOs.                                                                                                                                                                                      | JVH                    |
| VM-Biological-01                                       | Habitat along length of project assessed and sensitive areas identified.                                                                                                           | No critical habitats identified from review of USFWS IPaC Website. A mussel survey conducted in South Fork of Long Creek in the fall of 2022 did not identify mussels on the federal or IDNR threatened and endangered (T&E) species list. Wetlands have been delineated. No native prairie or old growth forest identified at the project site. | JEM                    |
| MM-Haz. Mat.-05                                        | Complete a Phase 1, and if required Phase 2, ESA prior to initiating construction.                                                                                                 | A Phase 1 ESA was completed for the project area. No further investigation (i.e., a Phase 2 ESA) is recommended for the project area.                                                                                                                                                                                                            | JVH                    |
| VM-Biological-13                                       | Plans developed to manage any eagle nests in proximity to the construction area.                                                                                                   | No eagles nests were identified while performing wetland delineation field activities.                                                                                                                                                                                                                                                           | JEM                    |
| MM-Biological-02                                       | USFWS list of T&E species and critical habitats has been consulted to ensure no additions in the vicinity of the project site.                                                     | No critical habitats identified from review of USFWS IPaC Website. A mussel survey conducted in South Fork of Long Creek in the fall of 2022 did not identify mussels on the federal or IDNR threatened and endangered (T&E) species list. The T&E memo should be provided to the contractor and environmental monitor.                          | JEM                    |
| VM-Water-02                                            | Water Quality Certification has been obtained.                                                                                                                                     | IDNR 401 certification automatically granted for work approved by ACOE under a Nationwide Permit (NWP).                                                                                                                                                                                                                                          | JEM                    |
| VM-Water-03                                            | Clean Water Act Sec. 404 Approval has been obtained.                                                                                                                               | Clean Water Act 404 approval obtained from ACOE (2/16/2023 letter) authorizing work under NWP 14 contingent on purchase by CP of compensatory wetland mitigation credits. The credits have been purchased.                                                                                                                                       | JEM                    |
| VM-Water-05                                            | A site specific SWPPP has been developed.                                                                                                                                          | A site specific SWPPP has been developed and will be on site prior to construction.                                                                                                                                                                                                                                                              | RPR                    |
| VM-Water-06                                            | A site specific Water Quality Monitoring Plan has been developed.                                                                                                                  | A site specific Water Quality monitoring plan has been developed and will be on site prior to construction.                                                                                                                                                                                                                                      | RPR                    |
| VM-Water-07                                            | Wetland compensation has been arranged for.                                                                                                                                        | CP has purchased the compensatory wetland mitigation credits as required by ACOE for the project.                                                                                                                                                                                                                                                | JEM                    |
| MM-Water-03                                            | A NPDES permit has been obtained for stormwater discharges.                                                                                                                        | A NPDES permit has been obtained. Coverage under IADNR general permit No. 2 for Construction                                                                                                                                                                                                                                                     | RPR                    |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| Contractor Plans                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                        |
| VM-Air-07                                              | Contractor written statement that equipment is properly maintained and that mufflers and other required pollution control devices are in working order                             | The contractors confirmed that the equipment being used on the Bellevue Capital Improvement Project is properly maintained and that the mufflers and other required pollution control devices are in working order.                                                                                                                              | JVH                    |
| VM-Haz. Mat.-01                                        | Contractor action plan for the discovery of previously undocumented hazardous materials and contaminated soils, including measures to protect the health and safety of workers     | Contractor has a site specific Health and Safety Plan.                                                                                                                                                                                                                                                                                           | DWS                    |
| VM-Haz. Mat.-01                                        | Site specific material management plan developed in alignment with overarching State plan                                                                                          | CPKC developed a master Materials Management Plan which is applicable to all Capital Improvement Projects                                                                                                                                                                                                                                        | JVH                    |
| VM-Haz. Mat.-02                                        | Site specific Spill Prevention, Control and Response Plan developed in alignment with overarching State plan.                                                                      | Site specific Spill Prevention, Control and Response Plan has been developed                                                                                                                                                                                                                                                                     | JVH                    |

| Capital Improvement Project Pre-Construction Checklist |                                                                                                                                                                                    |                                                                                                                                                                                                          |              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Project Name:                                          |                                                                                                                                                                                    | Subdivision: Laredo                                                                                                                                                                                      | Mileage: 379 |
| Project Team                                           |                                                                                                                                                                                    | Signatures                                                                                                                                                                                               |              |
| CP Engineering Representative:                         | Daniel Sabatka                                                                                                                                                                     |                                                                                                                        |              |
| CP Environmental Representative:                       | Joe Van Humbeck                                                                                                                                                                    |                                                                                                                        |              |
| Engineering Consultant:                                | HDR - Nick Stadem                                                                                                                                                                  |                                                                                                                        |              |
| Environmental Consultant:                              | HDR - Tim Fobes                                                                                                                                                                    | Timothy M. Fobes                                                                                                      |              |
| Contractor:                                            | Veit                                                                                                                                                                               |                                                                                                                                                                                                          |              |
| Measure                                                | Requirement                                                                                                                                                                        | Comment                                                                                                                                                                                                  | Initial      |
| ENGINEERING                                            |                                                                                                                                                                                    |                                                                                                                                                                                                          |              |
| VM-Grade Crossing-04                                   | Investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary for longer than ten minutes. | Existing farm Xing will be relocated to the south, outside of the limits of the proposed siding extension. Coordination with road authority has been completed.                                          | NKS          |
| VM-Grade Crossing-05                                   | Consult with local transportation officials regarding road closures and detours required for construction.                                                                         | Special provisions were included in the construction documents for Contractor to coordinate with the local road authority and landowners use of existing public and private access roads.                | NKS          |
| VM-Noise-03                                            | Project has been designed with continuously welded rail.                                                                                                                           | All proposed rail will be installed using continuously welded rail (CWR)                                                                                                                                 | NKS          |
| VM-Biological-04                                       | Clearing limit drawing prepared.                                                                                                                                                   | Tree Clearing limit drawings were prepared and provided to clearing contractor and clearing limit field representatives                                                                                  | NKS          |
| MM-General-03                                          | Project has been designed to remain within the existing Right-of-Way.                                                                                                              | Confirmed.                                                                                                                                                                                               | NKS          |
| MM-Cultural-02                                         | Project has been designed to avoid impacting all known historic properties which are potentially eligible for listing on the NRHP.                                                 | OEA did not identify any known historic properties deemed eligible for listing on the NRHP at the Project Site.                                                                                          | TF           |
| VM-Biological-01                                       | Impacts on sensitive areas minimized to the extent practicable.                                                                                                                    | Proposed embankments were built to 2:1 side slope to minimize impacts to delineated wetlands.                                                                                                            | TF           |
| VM-Biological-08                                       | All lighting has been designed with downward facing cutoff lenses.                                                                                                                 | Lighting is not proposed and will not be installed as part of this project                                                                                                                               | NKS          |
| VM-Water-07                                            | Impact on wetlands has been minimized to the extent practicable.                                                                                                                   | Proposed embankments were built to 2:1 side slope to minimize impacts to delineated wetlands. Existing drainage patterns are maintained.                                                                 | NKS          |
| VM-Water-08                                            | H&H Analysis completed and culverts designed to comply with CP's standard for the passage of a 1:100 storm event.                                                                  | Culverts have been designed to comply with the passage of 1:100 year event. 100 year culvert criteria assumes the 100-year water surface elevation (WSE) to be 2' below base of rail per AREMA criteria. | DJK          |
| VM-Water-09                                            | The watercourse crossing structures have been designed with consideration for the passage of aquatic organisms, where practicable.                                                 | Watercourse crossing structures have been designed to match existing watercourse as much as practicable in order to minimize impedance of aquatic organism passage.                                      | DJK          |
| MM-Water-01                                            | Culverts and bridges have been designed to maintain existing drainage patterns and not cause or exacerbate flooding                                                                | Completed                                                                                                                                                                                                | DJK          |
| MM-Water-02                                            | Coordination with FEMA has occurred if greater than 1 foot rise in 1:100 flood elevation                                                                                           | N/A, H&H Analysis did not indicate greater than 1 ft rise.                                                                                                                                               | DJK          |
| Tender                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                          |              |
| VM-EJ-03                                               | A minimum of 15% of the bid evaluation was allocated to the inclusion of minority and tribal owned businesses and employees.                                                       | Our evaluation of contractor proposals includes a 15% weight for the inclusion of minority and tribal owned businesses.                                                                                  | DWS          |
| ENVIRONMENT                                            |                                                                                                                                                                                    |                                                                                                                                                                                                          |              |
| MM-Cultural-01                                         | Archaeological monitoring plan has been developed and training material prepared.                                                                                                  | The archaeological monitoring plan and training material has been prepared by an SOI Qualified Archaeologist and reviewed by the OEA and appropriate THPOs.                                              | JVH          |
| VM-Biological-01                                       | Habitat along length of project assessed and sensitive areas identified.                                                                                                           | Field surveys did not identify T&E species                                                                                                                                                               | TF           |
| MM-Haz. Mat.-05                                        | Complete and Phase 1, and if required Phase 2, ESA prior to initiating construction.                                                                                               | A Phase 1 ESA was completed for the project area. No further investigation (i.e., a Phase 2 ESA) is recommended for the project area.                                                                    | JVH          |
| VM-Biological-13                                       | Plans developed to manage any eagle nests in proximity to the construction area.                                                                                                   | No eagles nest were identified during field surveys                                                                                                                                                      | TF           |
| MM-Biological-02                                       | USFWS list of T&E species and critical habitats has been consulted to ensure no additions in the vicinity of the project site.                                                     | Completed.                                                                                                                                                                                               | TF           |
| VM-Water-02                                            | Water Quality Certification has been obtained.                                                                                                                                     | Completed.                                                                                                                                                                                               | TF           |
| VM-Water-03                                            | Clean Water Act Sec. 404 Approval has been obtained.                                                                                                                               | Completed.                                                                                                                                                                                               | TF           |
| VM-Water-05                                            | A site specific SWPPP has been developed.                                                                                                                                          | Completed.                                                                                                                                                                                               | TF           |
| VM-Water-06                                            | A site specific Water Quality Monitoring Plan has been developed.                                                                                                                  | A site specific Water Quality monitoring plan has been developed and will be on site                                                                                                                     | NKS          |
| VM-Water-07                                            | Wetland compensation has been arranged for.                                                                                                                                        | Completed, credit paid to Swallow Tail LLC.                                                                                                                                                              | TF           |
| MM-Water-03                                            | A NPDES permit has been obtained for stormwater discharges.                                                                                                                        | Completed.                                                                                                                                                                                               | TF           |
| Contractor Plans                                       |                                                                                                                                                                                    |                                                                                                                                                                                                          |              |
| VM-Air-07                                              | Contractor written statement that equipment is properly maintained and that mufflers and other required pollution control devices are in working order                             | The Contractor has confirmed.                                                                                                                                                                            | JVH          |
| VM-Haz. Mat.-01                                        | Contractor action plan for the discovery of previously undocumented hazardous materials and contaminated soils, including measures to protect the health and safety of workers     | The Contractor has confirmed.                                                                                                                                                                            | JVH          |
| VM-Haz. Mat.-01                                        | Site specific material management plan developed in alignment with overarching State plan                                                                                          | Covered by CPKC Master Plan.                                                                                                                                                                             | JVH          |
| VM-Haz. Mat.-02                                        | Site specific Spill Prevention, Control and Response Plan developed in alignment with overarching State plan.                                                                      | The Contractor has confirmed.                                                                                                                                                                            | JVH          |

| Capital Improvement Project Pre-Construction Checklist |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| Project Name: Laredo Siding Extension                  |                                                                                                                                                                                    | Subdivision: Kansas City                                                                                                                                                                                                                                                           | Mileage: 407 |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| Project Team                                           |                                                                                                                                                                                    | Signatures                                                                                                                                                                                                                                                                         |              |
| CP Engineering Representative:                         | Daniel Sabatka                                                                                                                                                                     | <div>Daniel Sabatka</div>                                                                                                                                                                                                                                                          |              |
| CP Environmental Representative:                       | Joe Van Humbeck                                                                                                                                                                    | <div>Joe Van Humbeck</div>                                                                                                                                                                                                                                                         |              |
| Engineering Consultant:                                | HDR - Nick Stadem                                                                                                                                                                  | <div>Nick Stadem</div>                                                                                                                                                                                                                                                             |              |
| Environmental Consultant:                              | HDR - Tim Fobes                                                                                                                                                                    | Timothy M. Fobes <div>Timothy M. Fobes</div>                                                                                                                                                                                                                                       |              |
| Contractor:                                            | Veit                                                                                                                                                                               |                                                                                                                                                                                                                                                                                    |              |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| Measure                                                | Requirement                                                                                                                                                                        | Comment                                                                                                                                                                                                                                                                            | Initial      |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| ENGINEERING                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| VM-Grade Crossing-04                                   | Investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary for longer than ten minutes. | Due to site topography and existing local roadway network, relocation of the existing private farm Xing at MP 407.44 was not feasible.                                                                                                                                             | NKS          |
| VM-Grade Crossing-05                                   | Consult with local transportation officials regarding road closures and detours required for construction.                                                                         | Road closures and/or detours are not anticipated as a result of construction activities. Special provisions were included in the construction documents for Contractor to coordinate with the local road authority and landowners use of existing public and private access roads. | NKS          |
| VM-Noise-03                                            | Project has been designed with continuously welded rail.                                                                                                                           | All proposed rail will be installed using continuously welded rail (CWR)                                                                                                                                                                                                           | NKS          |
| VM-Biological-04                                       | Clearing limit drawing prepared.                                                                                                                                                   | Tree Clearing limit drawings were prepared and provided to clearing contractor and clearing limit field representatives overseeing clearing activities.<br>Clearing limit stakes were provided in the field prior to clearing activities.                                          | NKS          |
| MM-General-03                                          | Project has been designed to remain within the existing Right-of-Way.                                                                                                              | Confirmed. Retaining walls were utilized on the southern limits of the project to remain on existing railroad ROW.                                                                                                                                                                 | NKS          |
| MM-Cultural-02                                         | Project has been designed to avoid impacting all known historic properties which are potentially eligible for listing on the NRHP.                                                 | OEA did not identify any known historic properties deemed eligible for listing on the NRHP at the Project Site.                                                                                                                                                                    | NKS          |
| VM-Biological-01                                       | Impacts on sensitive areas minimized to the extent practicable.                                                                                                                    | Wetland delineation have been completed. No wetlands were identified during the delineation.                                                                                                                                                                                       | NKS          |
| VM-Biological-08                                       | All lighting has been designed with downward facing cutoff lenses.                                                                                                                 | Lighting is not proposed and will not be installed as part of this project.                                                                                                                                                                                                        | NKS          |
| VM-Water-07                                            | Impact on wetlands has been minimized to the extent practicable.                                                                                                                   | N/A - no wetlands on the project.                                                                                                                                                                                                                                                  | NKS          |
| VM-Water-08                                            | H&H Analysis completed and culverts designed to comply with CP's standard for the passage of a 1:100 storm event.                                                                  | Culverts have been designed to comply with the passage of 1:100 year event.<br>100 year culvert criteria assumes the 100-year water surface elevation (WSE) to be 2' below base of rail per AREMA criteria.                                                                        | DJK          |
| VM-Water-09                                            | The watercourse crossing structures have been designed with consideration for the passage of aquatic organisms, where practicable.                                                 | Watercourse crossing structures have been designed to match existing watercourse as much as practicable in order to minimize impedance of aquatic organism passage.                                                                                                                | DJK          |
| MM-Water-01                                            | Culverts and bridges have been designed to maintain existing drainage patterns and not cause or exacerbate flooding                                                                | Proposed culverts, bridges, and ditching have been designed to maintain existing drainage patterns and meet AREMA, FEMA, EIS, or CP criteria where applicable.                                                                                                                     | DJK          |
| MM-Water-02                                            | Coordination with FEMA has occurred if greater than 1 foot rise in 1:100 flood elevation                                                                                           | Proposed structures within FEMA zone(s) do not exceed 1 foot rise in 1:100 flood elevation. Accordingly, Coordination with FEMA is not required.                                                                                                                                   | DJK          |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| Tender                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| VM-EJ-03                                               | A minimum of 15% of the bid evaluation was allocated to the inclusion of minority and tribal owned businesses and employees.                                                       | Our evaluation of contractor proposals includes a 15% weight for the inclusion of minority and tribal owned businesses.                                                                                                                                                            | DWS          |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| ENVIRONMENT                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| MM-Cultural-01                                         | Archaeological monitoring plan has been developed and training material prepared.                                                                                                  | The archaeological monitoring plan and training material has been prepared by an SOI Qualified Archaeologist and reviewed by the OEA and appropriate THPOs.                                                                                                                        | JVH          |
| VM-Biological-01                                       | Habitat along length of project assessed and sensitive areas identified.                                                                                                           | Field surveys did not identify T&E species                                                                                                                                                                                                                                         | TF           |
| MM-Haz. Mat.-05                                        | Complete and Phase 1, and if required Phase 2, ESA prior to initiating construction.                                                                                               | A Phase 1 ESA was completed for the project area. No further investigation (i.e., a Phase 2 ESA) is recommended for the project area.                                                                                                                                              | JVH          |
| VM-Biological-13                                       | Plans developed to manage any eagle nests in proximity to the construction area.                                                                                                   | No eagles nest were identified during field surveys                                                                                                                                                                                                                                | TF           |
| MM-Biological-02                                       | USFWS list of T&E species and critical habitats has been consulted to ensure no additions in the vicinity of the project site.                                                     | Completed as part of 404 permitting.                                                                                                                                                                                                                                               | TF           |
| VM-Water-02                                            | Water Quality Certification has been obtained.                                                                                                                                     | Completed.                                                                                                                                                                                                                                                                         | TF           |
| VM-Water-03                                            | Clean Water Act Sec. 404 Approval has been obtained.                                                                                                                               | Completed.                                                                                                                                                                                                                                                                         | TF           |
| VM-Water-05                                            | A site specific SWPPP has been developed.                                                                                                                                          | Completed.                                                                                                                                                                                                                                                                         | TF           |
| VM-Water-06                                            | A site specific Water Quality Monitoring Plan has been developed.                                                                                                                  | A site specific Water Quality monitoring plan has been developed and will be on site                                                                                                                                                                                               | NKS          |
| VM-Water-07                                            | Wetland compensation has been arranged for.                                                                                                                                        | N/A - no wetland impacts, therefore no compensation is required for this site.                                                                                                                                                                                                     | TF           |
| MM-Water-03                                            | A NPDES permit has been obtained for stormwater discharges.                                                                                                                        | Completed.                                                                                                                                                                                                                                                                         | TF           |
|                                                        |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| Contractor Plans                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |              |
| VM-Air-07                                              | Contractor written statement that equipment is properly maintained and that mufflers and other required pollution control devices are in working order                             | The Contractor has confirmed.                                                                                                                                                                                                                                                      | JVH          |
| VM-Haz. Mat.-01                                        | Contractor action plan for the discovery of previously undocumented hazardous materials and contaminated soils, including measures to protect the health and safety of workers     | The Contractor has confirmed.                                                                                                                                                                                                                                                      | JVH          |
| VM-Haz. Mat.-01                                        | Site specific material management plan developed in alignment with overarching State plan                                                                                          | Covered by the CPKC Master Plan.                                                                                                                                                                                                                                                   | JVH          |
| VM-Haz. Mat.-02                                        | Site specific Spill Prevention, Control and Response Plan developed in alignment with overarching State plan.                                                                      | The Contractor has confirmed.                                                                                                                                                                                                                                                      | JVH          |

| Mansfield Project Pre-Construction Checklist (RN-012218) |                                                                                                                                                                                    |                                                                                                                                                                                                                                 |              |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Project Name: Mansfield Siding Extension                 |                                                                                                                                                                                    | Subdivision: Beaumont                                                                                                                                                                                                           | Mileage: 589 |
| Project Team                                             |                                                                                                                                                                                    | Signatures                                                                                                                                                                                                                      |              |
| CPKC Engineering Rep:                                    | Steve Raiche                                                                                                                                                                       | <i>Steve Raiche</i>                                                                                                                                                                                                             |              |
| CPKC Environmental Rep:                                  | Joe Van Humbeck                                                                                                                                                                    | <i>Joe Van Humbeck</i>                                                                                                                                                                                                          |              |
| Engineering Consultant:                                  | RailPros                                                                                                                                                                           | <i>Smanski</i>                                                                                                                                                                                                                  |              |
| Environmental Consultant:                                | Headwaters                                                                                                                                                                         |                                                                                                                                                                                                                                 |              |
| Contractor:                                              | CW&W                                                                                                                                                                               |                                                                                                                                                                                                                                 |              |
| Measure                                                  | Requirement                                                                                                                                                                        | Comment                                                                                                                                                                                                                         | Initial      |
| <b>ENGINEERING</b>                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                 |              |
| VM-Grade Crossing-04                                     | Investigate the potential to create alternative access for properties whose sole access will be blocked more than once per week by a train stationary for longer than ten minutes. | Private Road Crossing at MP 589.77 - Mansfield is a meet/pass location and trains will not be stationary for longer than ten minutes.                                                                                           | SR           |
| VM-Grade Crossing-05                                     | Consult with local transportation officials regarding road closures and detours required for construction.                                                                         | All temporary access drives off of State Route 175 were applied for through LADOTD and found to be acceptable. The contractor will also abide by legacy KCS Standard Construction Specifications, Section 00000, Part 1, A., 2. | SR           |
| VM-Noise-03                                              | Project has been designed with continuously welded rail.                                                                                                                           | The project is designed with CWR.                                                                                                                                                                                               | SR           |
| VM-Biological-04                                         | Clearing limit drawing prepared.                                                                                                                                                   | A clearing limit drawing was prepared, delineated onsite, and documented.                                                                                                                                                       | SR           |
| MM-General-03                                            | Project has been designed to remain within the existing Right-of-Way.                                                                                                              | Project remains within CPKC R/W limits                                                                                                                                                                                          | SR           |
| MM-Cultural-02                                           | Project has been designed to avoid impacting all known historic properties which are potentially eligible for listing on the NRHP.                                                 | Project avoids all NRHP properties                                                                                                                                                                                              | SR           |
| VM-Biological-01                                         | Impacts on sensitive areas minimized to the extent practicable.                                                                                                                    | Impacts on sensitive areas have been minimized                                                                                                                                                                                  | SR           |
| VM-Biological-08                                         | All lighting has been designed with downward facing cutoff lenses.                                                                                                                 | There is no lighting appurtenances on this project.                                                                                                                                                                             | SR           |
| VM-Water-07                                              | Impact on wetlands has been minimized to the extent practicable.                                                                                                                   | Impact on wetlands has been minimized to the extent practicable.                                                                                                                                                                | SR           |
| VM-Water-08                                              | H&H Analysis completed and culverts designed to comply with CP's standard for the passage of a 1:100 storm event.                                                                  | H&H was completed and culverts are designed to comply with CPKC's standard for the passage of a 100 year storm.                                                                                                                 | SR           |
| VM-Water-09                                              | The watercourse crossing structures have been designed with consideration for the passage of aquatic organisms, where practicable.                                                 | Yes                                                                                                                                                                                                                             | SR           |
| MM-Water-01                                              | Culverts and bridges have been designed to maintain existing drainage patterns and not cause or exacerbate flooding.                                                               | Yes                                                                                                                                                                                                                             | SR           |
| MM-Water-02                                              | Coordination with FEMA has occurred if greater than 1 foot rise in 1:100 flood elevation                                                                                           | The flood elevation is not impacted by the project.                                                                                                                                                                             | SR           |
| <b>TENDER</b>                                            |                                                                                                                                                                                    |                                                                                                                                                                                                                                 |              |
| VM-EI-03                                                 | A minimum of 15% of the bid evaluation was allocated to the inclusion of minority and tribal owned businesses and employees.                                                       | Yes.                                                                                                                                                                                                                            | SR           |
| <b>ENVIRONMENT</b>                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                 |              |
| MM-Cultural-01                                           | Archaeological monitoring plan has been developed and training material prepared.                                                                                                  | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Biological-01                                         | Habitat along length of project assessed and sensitive areas identified.                                                                                                           | Yes.                                                                                                                                                                                                                            | SR           |
| MM-Haz. Mat.-05                                          | Complete and Phase 1, and if required Phase 2, ESA prior to initiating construction.                                                                                               | Phase 1 was completed.                                                                                                                                                                                                          | SR           |
| VM-Biological-13                                         | Plans developed to manage any eagle nests in proximity to the construction area.                                                                                                   | N/A                                                                                                                                                                                                                             | SR           |
| MM-Biological-02                                         | USFWS list of T&E species and critical habitats has been consulted to ensure no additions in the vicinity of the project site.                                                     | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Water-02                                              | Water Quality Certification has been obtained.                                                                                                                                     | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Water-03                                              | Clean Water Act Sec. 404 Approval has been obtained.                                                                                                                               | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Water-05                                              | A site specific SWPPP has been developed.                                                                                                                                          | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Water-06                                              | A site specific Water Quality Monitoring Plan has been developed.                                                                                                                  | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Water-07                                              | Wetland compensation has been arranged for.                                                                                                                                        | N/A                                                                                                                                                                                                                             | SR           |
| MM-Water-03                                              | A NPDES permit has been obtained for stormwater discharges.                                                                                                                        | Yes.                                                                                                                                                                                                                            | SR           |
| <b>CONSTRUCTION</b>                                      |                                                                                                                                                                                    |                                                                                                                                                                                                                                 |              |
| VM-Air-07                                                | Contractor written statement that equipment is properly maintained and that mufflers and other required pollution control devices are in working order                             | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Haz. Mat.-01                                          | Contractor action plan for the discovery of previously undocumented hazardous materials and contaminated soils, including measures to protect the health and safety of workers     | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Haz. Mat.-01                                          | Site specific material management plan developed in alignment with overarching State plan                                                                                          | Yes.                                                                                                                                                                                                                            | SR           |
| VM-Haz. Mat.-02                                          | Site specific Spill Prevention, Control and Response Plan developed in alignment with overarching State plan.                                                                      | Yes.                                                                                                                                                                                                                            | SR           |