

**Texas Department of Transportation  
Technical Provisions**

**SH 183 Managed Lanes Project**

**Attachment 4-4**

**Form 2448**

**Environmental Management System  
Construction Stage Gate Checklist**



Show

## Environmental Management System Construction Stage Gate Checklist (CSGC)

Form 2448  
(Rev. 01/12)  
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|  |   |                              |  |             |
|--|---|------------------------------|--|-------------|
| Highway  | Project Number  | Project CCSJ                 | County   | Area Office |
| Project Personnel Completing CSGC (Joint Inspection) |   |                              |  |             |
| TxDOT Representative                                 |   |                              | Contractor Representative  |             |
| Print Name:  |   |                              | Print Name:  |             |
| Signature/Date:                                      |   |                              | Signature/Date:  |             |
| CSGC Inspection Period                               |   |                              |  |             |
| From   | Date of beginning initial construction activities, or<br>Date of previous CSGC Inspection | To                           | Date of this CSGC Inspection   |             |
| List Project Permits                                 |   |                              |  |             |
|  |   |                              |  |             |
| National Environmental Policy Act (NEPA) Document    |   |                              |  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   |                              | 1. Have the project limits or scope changed? (If yes, complete question 2)   |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   |                              | 2. Has coordination with Advance Planning & Development occurred to ensure NEPA compliance?  |             |
| Storm Water Resources                                |   |                              |  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   |                              | 3. Does the project require a Construction Site Notice (CSN)?  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 4. Is the CSN posted in a publicly accessible location near where the construction activity is underway?                             |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 5. Does the CSN contain all required information?  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   |                              | 6. Does the project require a Notice of Intent (NOI)?  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 7. Is the NOI posted in a publicly accessible location near where the construction activity is underway?                             |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 8. Does the NOI contain all required information?  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 9. Does the project have a Storm Water Pollution Prevention Plan (SWP3)?   |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 10. Is there a copy of the TCEQ Construction General Permit onsite or with the SWP3?   |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 11. Is there a copy of a Delegation of Authority Letter authorizing the signing of inspection reports in the SWP3 file?              |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 12. Is the SWP3 retained and available for inspection at the work site that generates the storm water? (If no, complete question 13) |             |
|  |   |                              | 13. Where is it located?   |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 14. Is the SWP3 updated for any changes in design or project change orders?  |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 15. Are the SWP3 drawings updated for changes to Best Management Practices (BMPs)? (i.e. type, location and install/remove dates)    |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 16. Is the description of construction and waste materials stored on-site updated with the Contractor?                               |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 17. Are the dates when major grading activities occur updated?   |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 18. Are the dates when construction activities temporarily or permanently cease on a portion of the site updated?                    |             |
| <input type="checkbox"/> Yes                         | <input type="checkbox"/> No   | <input type="checkbox"/> N/A | 19. Did stabilization occur within 14 days at locations where soil disturbing activities have ceased? (If yes, complete question 20) |             |

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|---|--|--------------|--------|-------------|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 20. Is the stabilization documented? (i.e. DWR's, methods, seeding rates, etc)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 21. Did stabilization occur within 14 days at locations where work temporarily ceased (at least 21 days)? (If yes, complete question 22)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 22. Is the stabilization documented? (i.e. DWR's, methods, seeding rates, etc)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 25. Are control measures installed in accordance with the SWP3?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 26. Are control measures properly selected?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 27. Are control measures performing?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 28. Are control measures properly maintained?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 29. Are on-site accumulations of sediment removed as soon as practicable to prevent off-site impacts? (i.e. sediment near off-site inlets, etc)  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 30. Is sediment removed from control devices when design capacity is reduced by 50%?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 31. Are litter, construction debris, and construction chemicals exposed to wind or water erosion? (i.e. screening outfalls, picked up daily)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 32. Is a lidded dumpster on the project to dispose of litter, construction debris, etc.?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 33. Were velocity dissipation devices (i.e. rock filter dams, holding ponds, etc) placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to the water course? |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 34. Were the inspections performed per the contract/SWP3?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 35. Are deficiencies and nonconformance issues identified on the inspections being addressed before off-site discharge occurs?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 36. Are controls in place to minimize off-site vehicle tracking of sediments?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 37. Has TxDOT approved PSLs on Right-of-Way?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 38. Are the contractor's on and off Right-of-Way PSLs shown on the SWP3 site plan? (If yes, complete question 39)  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 39. Are the contractor's on and off Right-of-Way PSLs shown on the SWP3 site plan identified as contractor's PSL?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 40. Is the contractor required to have a concrete washout area? (If yes, complete questions 41 - 42)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 41. Is the concrete washout area shown on the SWP3 site plan?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 42. Is the concrete washout area properly constructed and maintained?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 43. Is the inspection cycle option for this project "At least every 14 calendar days and within 24 hours after 0.5 inches or more of rainfall"? (If yes, complete questions 44 - 45)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 44. Is there a rain gauge on the project?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 45. Are there records documenting rainfall amounts?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 46. Did the inspection summary report include the name of the inspector?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 47. Did the inspection summary report include the date(s) of the inspection?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 48. Did the inspection summary report include measures/area inspected?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 49. Did the inspection summary report include actions needed/taken as a result of the inspection?  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 50. Did the inspection summary report include major observations? (i.e. locations of discharges of sediment or pollutants, BMPs that require maintenance, BMPs that failed to operate as designed or proved inadequate, BMPs are needed)   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 51. Did the SWP3 include appropriately signed certification statement?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 52. Did the SWP3 include the inspector qualification document?   |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 53. Does the project require a Municipal Separate Storm Sewer System (MS4) permit? (If yes, complete question 54)  |              |        |             |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 54. Have the MS4 operator(s) been notified?  |              |        |             |

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|---|----------------|--------------|--------|--|
| <b>Jurisdictional Waters of the United States, including Wetlands</b>                 |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 55. Does the project require a USACE permit? (If yes, complete questions 56 - 62)  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 56. Are wetlands and waters of the US being protected in accordance with the authorization/permit and the PS&E?                      |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 57. Are the proper USACE permits maintained at the site?   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 58. Is clearance of off Right-of-Way PSLs required by a special condition of TxDOT's USACE permit? (If yes, complete question 59)    |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                |              |        | 59. Has clearance of these PSLs been obtained?   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 60. Are the BMPs for protecting wetlands and water of the US working effectively?  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 61. Are construction activities meeting all USACE general permit conditions?   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 62. Are construction activities meeting all other USACE special permit conditions?   |
| <b>Navigable Waters</b>   |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 63. Is a US Coast Guard Section 9 permit applicable? (If yes, complete questions 64 - 65)  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 64. Is the US Coast Guard Section 9 permit maintained on site?   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 65. Are construction activities meeting US Coast Guard Section 9 permit conditions?  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 66. Is a USACE Section 10 permit applicable? (If yes, complete questions 67 - 68)  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 67. Is the USACE Section 10 permit maintained on site?   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 68. Are construction activities meeting USACE Section 10 permit conditions?  |
| <b>Edwards Aquifer</b>  |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 69. Does the project require an Edwards Aquifer Protection Plan? (If yes, complete questions 70 - 73)                                |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 70. Is a copy of the Water Pollution Abatement Plan (WPAP) kept on-site?   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 71. Is a copy of the Contributing Zone Plan kept on-site?  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 72. Are project requirements met for groundwater protection? (i.e. Item 103 Disposal of Wells, staging requirements from WPAP, etc)  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 73. Are construction activities meeting permit conditions?   |
| <b>International Boundary Water Commission (IBWC)</b>                                 |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 74. Is an IBWC License applicable? (If yes, complete questions 75 - 76)  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 75. Is the IBWC maintained on site?  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 76. Are construction activities meeting IBWC License conditions?   |
| <b>Biological Resources</b>   |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                |              |        | 77. Is work compliant with the plans for protection of vegetation, including trees?  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                |              |        | 78. Are migratory bird nesting requirements being followed?  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                |              |        | 79. Is the work compliant with the plans and/or mitigation requirements for protection of threatened or endangered species/habitats? |
| <b>Noise</b>  |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 80. Are there any proposed noise impacts? (If yes, complete question 81)   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              |                |              |        | 81. Is the work being performed in accordance with the noise mitigation plan?  |
| <b>Air Quality</b>  |                |              |        |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                |              |        | 82. Are controls being practiced and are they effective for minimizing dust?   |

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| Highway                      |                             |                              | Project Number  | Project CCSJ | County | Area Office |
|------------------------------|-----------------------------|------------------------------|---|--------------|--------|-------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | 83. Were the procedures for the Texas Emission Reduction Plan or other incentive measures met and documented? (i.e. contractor is using highest tier level equipment and best fuel grade) |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | 84. Are measures being taken for reducing idling of equipment and vehicles?   |              |        |             |
| <b>Cultural Resources</b>    |                             |                              |   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | 85. Are known historical and archeological properties being protected and preserved in accordance with the plans?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 86. Have historical and archeological properties been encountered during construction? (If yes, complete questions 87 - 88)   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 87. Were the historical and archeological properties protected?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 88. Were the TxDOT Emergency Discovery Guidelines followed?   |              |        |             |
| <b>DSHS Notification</b>     |                             |                              |   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 89. Is DSHS notification(s) required? (if yes, complete questions 90 - 92)  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 90. Has DSHS notification(s) been mailed?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 91. Was the DSHS notification(s) postmarked at least 10 working days prior to initiating demolition or renovation?  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 92. Were there any amendments to the DSHS notification(s)?  |              |        |             |
| <b>Hazardous Materials</b>   |                             |                              |   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A | 93. Are hazardous materials mitigation and abatement procedures being followed?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 94. Have unknown hazardous materials been encountered during construction? (If yes, complete questions 95 - 96)   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 95. Have the proper TxDOT and agency contacts been made and documented?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 96. Has mitigation or abatement been addressed?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 97. Do the project plans include a soil and/or groundwater management plan? (If yes, complete question 98)  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 98. Is the abatement/mitigation plan being adhered to?  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 99. Has a spill of less than reportable quantity occurred? (If yes, complete question 100)  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 100. Were Spill Response Plan procedures followed for reporting and cleanup?  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 101. Has a spill of reportable quantity occurred? (If yes, complete question 102)   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 102. Were Spill Response Plan procedures followed for reporting and cleanup?  |              |        |             |
| <b>Change Orders</b>         |                             |                              |   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 103. Are there change orders on this project? (If yes, complete questions 104 - 106)  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 104. Are change orders assessed for NEPA re-evaluation and/or resource agency coordination?   |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 105. Do the change orders require environmental mitigation, abatement, or clearance actions? (If yes, complete question 106)  |              |        |             |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |                              | 106. Have environmental mitigation, abatement, or clearance actions occurred?   |              |        |             |

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| Highway | Project Number | Project CCSJ | County | Area Office |
|---------|----------------|--------------|--------|-------------|
|         |                |              |        |             |

### SUMMARY OF PROJECT INSPECTION

| Reference Item Number      | Finding | Person Responsible For Corrective Action (Print Name) | Date Corrective Action Expected To Be Completed | Date Corrective Action Completed | TxDOT Representative Verifying Completed Corrective Action |
|----------------------------|---------|---|---|----------------------------------|--|
|                            |         |   |   |                                  | Print Name: _____<br>Signature: _____                      |
|                            |         |   |   |                                  | Print Name: _____<br>Signature: _____                      |
|                            |         |   |   |                                  | Print Name: _____<br>Signature: _____                      |
|                            |         |   |   |                                  | Print Name: _____<br>Signature: _____                      |
| <b>Comments</b>            |         |   |   |                                  |  |
|                            |         |   |   |                                  |  |
| <b>Reviewer (Optional)</b> |         |   |   |                                  |  |
| Print Name: _____          |         | Signature: _____                                      |   | Title: _____                     | Date of Review: _____                                      |