Texas Department of Transportation

DESIGN-BUILD SPECIFICATIONS
Items 10-28

Attachment 27-4
Maintenance Management Plan
December 2019
Maintenance Management Plan

NAME OF PROJECT
Contract #XXXXX

Day Month Year

Prepared By: DB Contractor’s Name
Street Address
Suite XXX
City Name, Texas XXXX
MAINTENANCE MANAGEMENT PLAN

For The

NAME OF PROJECT

Approved By:

___________________________________________   _____________________
FirstName LastName
Maintenance Manager (MM)             Date

___________________________________________   _____________________
FirstName LastName
Maintenance Quality Manager (MQCM)      Date

___________________________________________   _____________________
FirstName LastName
TxDOT’s Authorized Representative       Date

Record of Revisions

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Instructions to DB Contractor:
(These instructions to be removed from completed MMP)

1. This Maintenance Management Plan (MMP) template defines the structure and required contents of the MMP. Use this template for each version and revision of the MMP submitted to TxDOT for approval.

2. Include the DB Contractor’s processes to achieve compliance with the obligations in the Contract Documents including the Performance Requirements. Describe who is responsible for each activity.

3. Processes should be clear, auditable, measurable, and achievable. Include control points at which the DB Contractor causes its own personnel or independent parties to verify that the work is in compliance with the contract. Identify points in the processes at which TxDOT is given the opportunity to witness or approve the work.

4. Identify the procedures (i.e. detailed steps) that will be utilized (see Appendix 13 for a listing of procedures that are needed at a minimum).

5. The MMP shall apply to Maintenance Work before Final Acceptance and an updated version of this plan shall apply if TxDOT instructs a Capital Maintenance Agreement (CMA).

6. Describe the MMP updating process so that TxDOT knows who will be performing what actions when.

7. The MMP is part of the Project Management Plan (PMP). Section 2.1 of the DBA sets forth TxDOT’s approval rights and the conditions attached to its approval of the PMP.


9. Include within the MMP all Proposal Commitments and how TxDOT will be able to verify the Proposal Commitments have been fulfilled.

10. Ensure the MMP is consistent with the Preliminary MMP included with the Proposal.

11. Instructions to the DB Contractor are shown in this template in parentheses and italics and shall be removed prior to submittal of the MMP to TxDOT.

12. Include within the MMP a Project-specific timeline showing contract milestones, MMP and PMP versions and updates and MMP submittal milestones.

13. Include references to all policies from the QMP applicable to Maintenance Work.
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1. GENERAL MANAGEMENT AND ADMINISTRATION

1.1 Organization and Personnel

1.1.1 DB Contractor Maintenance Organization Chart

Figure 1.1 below shows the organization chart for Maintenance Work before Final Acceptance.

[Describe the organizational structure and how it will enable the DB Contractor’s obligations for Maintenance Work to be met. Describe the reporting lines to TxDOT and internally. Describe the roles and responsibilities assigned to each position. Identify Major Subcontractors and describe the Maintenance Work to be performed by them.]

Figure 1.1: Organization Chart for Maintenance Work before Final Acceptance

[Insert organization chart showing reporting lines to include at a minimum:
- TxDOT Project Manager
- DB Contractor corporate management team
- DB Contractor Project Manager*
- Maintenance Manager*
- Maintenance Quality Manager*
- Maintenance Safety Manager*
- Individual responsible for customer service*
- Individual responsible for training program*
- Individual responsible for ensuring maintenance and life cycle issues are captured in the design with link to design and construction teams*
- Field crews responsible for Routine Maintenance
- Field crews responsible for patrols, inspections, defect identification, categorization and remedy
- Field crews responsible for Incident and Emergency Management

For each individual (*) identify the employing organization. Show positions and activities to be undertaken by Major Subcontractors.]

Appendix 1 shows every staff position delivering Maintenance Work in connection with the Project together with the TxDOT employee counterpart(s) with whom each staff member will regularly interact.

[Include at a minimum the individuals marked with (*) on Figures 1.1 and 1.2, including individuals employed by subcontractors]

1.1.2 Qualifications, Experience necessary and training requirements for DB Contractor staff positions

Appendix 2 shows the individual(s) assigned to staff positions with their positions, contact information (email and mobile phone number), education/qualifications, role, and summary of previous experience.

[Include at a minimum the individuals required to be identified on the organization chart, including individuals employed by subcontractors]
### 1.1.3 Personnel Training and Certification

Table 1.1 defines responsibility for development and implementation of training programs, who will be conducting the training and certification process for each staff position, including maintenance personnel, subcontractors and maintenance crew members on the topics below. Forms documenting evidence of attendance and frequency/schedule of training updates to be attended by all relevant staff are shown in Appendix 15.

#### Table 1.1: Training Program Matrix

<table>
<thead>
<tr>
<th>Training Program</th>
<th>Person responsible to develop and deliver</th>
<th>Staff positions requiring training</th>
<th>Frequency of training</th>
<th>Link to training program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Management Plan training</td>
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<td></td>
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<tr>
<td>Inspections, Defect identification and categorization of Defects</td>
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<tr>
<td>Hazardous materials, Response and mitigation of incidents involving contamination or waste, OSHA 1910.120 (HAZWOPER Training)</td>
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<td></td>
<td></td>
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<tr>
<td>Maintenance Safety Plan, equipment use, all safety-related activities and enforcement of safety operations</td>
<td></td>
<td></td>
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<tr>
<td>CPR and first aid</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Work zone traffic control and flaggers in work zones</td>
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<td></td>
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<tr>
<td>Environmental impacts associated with Maintenance Work</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Operating railroad requirements prior to performing Maintenance Work or other activities affecting railroad property</td>
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<td></td>
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<tr>
<td>[Other training programs (details to be added by DB Contractor)]</td>
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</tr>
</tbody>
</table>

[Include at a minimum training requirements for the individuals required to be identified on the organization chart, including individuals employed by subcontractors]
1.2 Communication Protocols

[Insert the required information below and refer to appropriate chapter and section from the PMP for all sub-sections of 1.2 (1.2.1 – 1.2.4).

1.2.1 Communications with TxDOT and other Governmental Entities

Refer to the following procedures in Appendix 13:

- MMP-001 –Submittals and Coordination with TxDOT, Other Agencies and Third Parties

For processes on meetings, reporting, written updates and immediate notifications on priority issues refer to [Chapter X, Section X] of the PMP.

Contact details for TxDOT, Government Entities, third parties, other stakeholders and their consultant offices with whom the DB Contractor will communicate are listed in Appendix 3.

[Within MMP-001 identify all adjacent highway agencies and address all interfaces with adjacent and connecting roadways.]

1.2.1.1 Coordination during ITS integration and ITS operations

For ITS integration before Final Acceptance refer to [Chapter X, Section X] of the PMP.

The following are maintenance interfaces with ETCS:

[List the points of interfaces and include reference to diagrams or drawings showing interface lines and demarcations of responsibility for each tolling zone. Include updates consistent with progress of design].

The contact details for the Toll Services Integrator are as follows:

[List the contact details here]

1.2.1.2 Oversize / Overweight Permits

The process for requests for permitting, issuance of permits and enforcement of permits through TxDOT is included in the following procedure in Appendix 13:

- MMP-002 –Agency Coordination for Oversize Loads

[State how TxDMV will be notified of closures associated with permits and how updates for roadway clearances during construction will be provided.]

1.2.2 Coordination with Utilities, Stakeholders and other 3rd Parties

Refer to the following procedures in Appendix 13:

- MMP-001 –Submittals and Coordination with TxDOT, Other Agencies and Third Parties

Table 1.2 below shows:

- Utilities, stakeholders and other third parties;
- In-house staff and specialized resources from the maintenance team responsible for coordination (including development and compliance with processes and the production of documentation) for each utility, stakeholder and other 3rd Party; and
- Reference to procedures contained in Appendix 13 specific to each named entity.
Table 1.2: Coordination with Governmental Entities, Stakeholders, Utilities, and Third Parties

<table>
<thead>
<tr>
<th>Entity, Utility, stakeholder or third party</th>
<th>DB Contractor Personnel responsible for coordination</th>
<th>Reference to Procedure (specific to the named entity)</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

[Insert Governmental Entity, utility and stakeholder or third party coordination responsibilities and processes for Maintenance Work before Final Acceptance. Include reference to individual procedures applicable to each entity, covering the following:

- Notification to entity of upcoming Maintenance Services that may affect the entity’s operations, e.g. Maintenance Services affecting adjacent business of utility interest
- Application by entity for access to inspect, repair, renew or replace its equipment within the Maintenance Limits]

1.2.3 Internal Communications

For internal communications processes and responsible personnel before Final Acceptance, refer to [Chapter X, Section X] of the PMP.

For internal communications processes and responsible personnel after Final Acceptance, refer to

- MMP-001 –Submittals and Coordination with TxDOT, Other Agencies and Third Parties

1.2.4 Public Information and Communications

Refer to Section 7.3

1.3 Project Meetings

[Refer to appropriate chapter and section from the PMP for meetings in connection with Maintenance Work.]

The meeting types, topics, required participants and frequencies of meetings in connection with Maintenance Work shall be in accordance with Table 1.6.

Table 1.6 Meetings In Connection with Maintenance Work

<table>
<thead>
<tr>
<th>Meeting Type</th>
<th>Frequency</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Maintenance Work review meeting</td>
<td>Monthly</td>
<td>TxDOT, Maintenance Manager, other senior personnel</td>
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</tbody>
</table>
1.4 Document Control and Information Management

Refer to appropriate chapter and section from the PMP for document control and information management in connection with Maintenance Work.

Document Control and information management for Maintenance Work shall be as identified in Table 1.7.

<table>
<thead>
<tr>
<th>Person responsible for compliance with TxDOT Maintenance and Inspection of Records requirements</th>
<th>[Insert name of individual or staff position]</th>
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</thead>
<tbody>
<tr>
<td>Procedures applicable</td>
<td>[Insert references to applicable procedures]</td>
</tr>
<tr>
<td>Document management EDMS software system</td>
<td>[Insert details of software and reference to manuals]</td>
</tr>
<tr>
<td>Person responsible for the storage and retention of Maintenance Records</td>
<td>[Insert name of individual or staff position]</td>
</tr>
<tr>
<td>[Insert other requirements applicable to document control and information management]</td>
<td></td>
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</table>

Table 1.7: Document Control and Information Management

1.5 Procurement and Subcontractors

Maintenance Work activities that will be subcontracted are shown in Table 1.8 below.

<table>
<thead>
<tr>
<th>Name of Subcontractor and start date</th>
<th>Key contact details</th>
<th>Work responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

[Add details of each subcontractor within the time periods permitted in the DBA.]

1.6 Offices and Equipment

Refer to the following procedure in Appendix 13:
• MMP-004 – Maintenance of Facilities, Vehicles and Equipment Plan

The physical location and layout of the Maintenance Facility is shown in Appendix 10.

[Provide location and map (if different than the Roadway Maintenance office) of the maintenance facility for equipment maintenance and storage and for the de-icing material storage, if applicable.]

[Provide spare parts, special tools and equipment list including an auditable parts and spares inventory adequate to address the maintenance obligations and compatible with the Maintenance Management System and a list of vendors for equipment and maintenance services.]

[Provide current versions and procedures, functionality, software maintenance requirements and access protocols for all specialist software employed by DB Contractor in connection with the Maintenance Services.]

The physical address is [insert address]
The 24-hour contact number is [insert number].

2. EMERGENCY RESPONSE

2.1 Incident Management Plan

The Incident Management Plan (IMP) contains the approach to Incident management consistent with Section 27.5.1 of the Technical Provisions, training requirements and staffing requirements for response to Incidents and Emergencies, and includes protocols, processes, and guidelines to mitigate the impacts, respond to and recover from all such events. The IMP has been prepared in coordination with and including input from the following organizations:

[Insert Project-specific list of consultees, dates of consultation and evidence of actively seeking input and feedback, to include TxDOT, Emergency Services, owners of Related Transportation Facilities and applicable Governmental Entities.]

The command structure for Incident Management is shown in Figure 2.1.

Figure 2.1: Command Structure for Incident Management
The following procedures in Appendix 13 are part of the IMP:

- MMP-005 – Emergency and Incident Management.
- MMP-006 – Incident Damage Reports, Third Party Claims and Repairs
- MMP-007 – Complaint Review and Response
- MMP-008 – Customer Satisfaction Data Collection System

[Include within the IMP, processes and responsibilities for:

(i) Identification of Incidents of differing categories (minor, major, critical) and notification of Emergency Services providers
(ii) Rapid and reliable establishment of traffic control for Incident management
(iii) Removal by towing and recovery of stalled, broken down, wrecked or otherwise incapacitated vehicles from the travel lane, including coordination with Emergency Services/law enforcement]
(iv)  Clearance of Incident and return affected lanes to normal use within the specified period of arriving at the Incident site
(v)  Cleanup of debris, oil, broken glass and other such objects foreign to the roadway surface
(v)  Notification of the public of traffic issues related to Incidents
(vi)  Seeking feedback from TxDOT, emergency services and law enforcement and improving processes to improve response times.
(vii)  contact methods, personnel available, and response times for any Emergency condition requiring attention during off-hours
(viii)  identification and containment of all Hazardous Material spills and appropriate disposal of such materials.]

2.2 Snow and Ice Control Plan

The Snow and Ice Control Plan (SICP) contains operational processes for performing snow and ice control work. The SICP complies with all applicable Law, codes, and regulations governing the operation of equipment on public highways. The SICP will be updated at least annually to incorporate any changes in strategy and equipment levels designed to rectify any noncompliances in snow and ice removal operations during the preceding winter season.

The following procedure contained in Appendix 13 is part of the Snow and Ice Control Plan (SICP).

- MMP-009 – Snow and Ice Control / Clean-up Plan.

[Include within the SICP processes and responsibilities for:

(i)  Receiving weather forecasts and making decisions for snow and ice control and pretreatment based upon analysis of data received
(ii)  Advance preparation and call-out
(iii)  Training in connection with snow and ice control
(iv)  Record keeping/ reporting including maintaining records of compliance with the Performance Requirements
(v)  Environmental management and processes for using preventative measures, involving use of anti-icing and de-icing chemicals such as salt and alternative substances, including storage and application
(vi)  A list of the equipment and materials available for snow and ice control including its current location and methods to guarantee its availability for use.]

2.3 Severe Weather Evacuation Plan

The Severe Weather Evacuation Plan (SWEP) contains operational processes for evacuation. The SWEP complies with all applicable Law, codes, and regulations governing the operation of
equipment on public highways. The SWEP will be updated at least annually to incorporate any changes in strategy and evacuation routes during the previous year.

The following procedure in Appendix 13 is part of the SWEP:

- MMP-010 – Severe Weather Evacuation Plan.

[Include within the SWEP a process and the individual responsible for each of the following:

(i) Receiving weather forecasts and making decisions for evacuation based upon analysis of data received
(ii) Advance preparation and call-out
(iii) Training in connection with evacuation processes
(iv) Record keeping / reporting including maintaining records of compliance with the Performance Requirements
(v) Develop evacuations zones and evacuation guides with routes.]

3. ENVIRONMENTAL COMPLIANCE

3.1 Governmental Approvals and Permits

The required permits for government agencies and third parties as part of the Maintenance Work are included in Appendix 4.

3.2 Hazardous Material Management Plan

The Hazardous Materials Management Plan (HMMP) governs the safe handling, storage, treatment and/or disposal of Hazardous Materials, whether encountered at or brought onto the Project by the DB Contractor, encountered or brought onto the Project by a third party, or otherwise.

The following designated individuals are responsible for management of Hazardous Materials, including development of processes compliant with all applicable Environmental Laws:

[Include names, contact details and applicable certifications and licenses of designated individuals]

The following designated individual is responsible to ensure that:

- All personnel delivering the Maintenance Work who may be expected to handle Hazardous Materials have been trained and certified at least to the minimum requirements established under the guidelines of OSHA 1910.120 (HAZWOPER Training)
- All applicable certifications, licenses, authorizations and Governmental Approvals for DB Contractor personnel handling Hazardous Materials are current and valid.

[Include name, contact details and applicable certifications and licenses of designated individual]

The following procedure in Appendix 13 is part of the HMPP.
The HMPP is at [Chapter X, Section X] of the PMP.

3.3 SW3P Implementation

Maintenance Work will be undertaken in compliance with the TCEQ Texas Pollutant Discharge Elimination System (TPDES) Construction General Permit in accordance with the TxDOT Storm Water Management and Guidelines for Construction Activities Manual.

Refer to the following procedure in Appendix 13:

- MMP-012 Implementation of SW3P After Final Acceptance

The SW3P is at [Chapter X, Section X] of the PMP.

3.4 Spill Prevention and Countermeasures Plan

The following procedure is part of the Spill Prevention and Countermeasures Plan:

- MMP-013: Implementation of Spill Prevention and Countermeasures Plan

The Spill Prevention and Countermeasures Plan (SPCP) is at [Chapter X, Section X] of the PMP.

3.5 Pollution Prevention Plan (P2), Recycling Plan, and Waste Management

The Pollution Prevention (P2) Plan is prepared in accordance with the Texas Waste Reduction Policy Act. Refer to the following procedures in Appendix 13:

- MMP-014 Implementation of Pollution Prevention Plan
- MMP-015 Implementation of Waste Management
- MMP-016 Implementation of Recycling Plan

The Pollution Prevention Plan is at [Chapter X, Section X] of the PMP.

3.6 Truck Routes, Hazardous Material Routes and related Approvals

Truck Routes, Haz-Mat Routes and associated approvals are at [Chapter X, Section X] of the PMP.

3.7 Environmental Compliance and Mitigation Plan

Refer to the following procedures in Appendix 13:

- MMP-017 – Implementation of Environmental Procedures and Training
- MMP-018 – Mitigation Procedures for Impacts to Neighboring Facilities

The Environmental Compliance and Mitigation Plan (ECMP) includes compliance strategies and processes to be employed in accordance with the requirements of applicable Environmental
Laws and Environmental Approvals. Maintenance Work will be undertaken in compliance with the ECMP and the Environmental Commitments.

Refer to section 1.1.3 for education and training requirements for all project personnel. The ECMP is at [Chapter X, Section X] of the PMP.

[Include processes and responsibilities for:
(i) Conveying a commitment to the Project’s environmental quality to all employees;
(ii) Conveying a commitment to zero tolerance for violations; and
(iii) Ensuring that environmental requirements are reflected in maintenance processes.]

4. MAINTENANCE STANDARDS AND MAINTENANCE LIMITS

4.1 Maintenance Limits, Layout and Limits of Performance Sections

Schematic Drawings showing the Maintenance Limits and the extents of the Performance Sections are included in Appendix 6, consistent with the requirements of Section 27.2 of the Technical Provisions.

[Include processes and responsibilities for:
(i) Periodically validating that the Maintenance Limits are correctly and clearly identified in the field
(ii) Liaison with TxDOT and Governmental Entities at least annually to review the Maintenance Limits, identify any jurisdictional gaps or inefficiencies and recommend solutions]

5. COMPLIANCE WITH PERFORMANCE REQUIREMENTS

5.1 Performance and Measurement Tables

Appendix 9 to the MMP contains the most recent approved versions of the Performance and Measurement Tables.

5.2 Maintenance Management System (MMS)

Refer to the following procedure in Appendix 13:
• MMP-020 – Establishing Maintenance Management System

5.3 Defects and Inspections

Refer to the following procedures in Appendix 13:
• MMP-021 – Defect Categorization and Repair
• MMP-022 – Maintenance Inspection Plan
• MMP-023 – Maintenance Repair Submittal Plan

[Include within the above processes and responsibilities for:
(i) Training of responsible personnel to identify and to categorize Defects discovered during inspection. This shall include training specific to the identification and recording of Category 1 Defects.

(ii) Tracking and reporting of Defects including fault detection logs, software output

(iii) Generation of corrective action work orders through the MMS including how backlog of corrective maintenance and repair activities will be populated and monitored in the MMS.

(iv) Action by Defect category type, to include a description of how the actions are carried out stating the responsible individuals and the processes for specific Defect types with examples.

(v) How Defects will be remedied, with examples provided for all common Defects, stating necessary notification and the individuals to be notified for such Defect remedy.

(vi) Documentation including how Defects will be entered, updated and closed in the Maintenance Management System.

(vii) Verification of the satisfactory completion of Maintenance Services and restoration of asset condition.

(viii) Discovery of maintenance trends to determine the need for adjustments in the weekly, monthly and annual maintenance plan to address changing project conditions.

(ix) Inspection and testing of Project items and the identification and classification of Defects and inspection failures.

(x) Monitoring instrumentation according to applicable specification.

(xi) Field inspections of completed Maintenance Services and for preparing daily reports to document all inspections performed.

(xii) Identification of inspection agencies and organizations, including information on each agency’s capability to provide the specific services required, certifications held, and equipment.

(xiii) Preparation and submittal of the Baseline Element Condition Report (BECR).

(xiv) Hazard mitigation for any Category 1 Defect in a Maintained Element of which the DB Contractor is aware through its own inspections, from a third party or through notification by TxDOT.

(xv) Proposal to TxDOT of a repair method for any Defect.

6. MAINTENANCE SAFETY PLAN

Refer to the following procedure in Appendix 13:

- MMP-026 – Implementation of Safety Plan

The Maintenance Safety Plan describes the DB Contractor’s policies, plans, training programs, and work site controls to ensure the health and safety of personnel involved in the Project and the general public affected by the Project during the Maintenance Period. The Maintenance Safety Plan is designed to preserve the safety of Users, adjacent communities, transportation workers and Emergency Services. Coordination with applicable Traffic Management Centers (TMCs) will occur as described in section 1.2 of the MMP.
7. TRAFFIC MANAGEMENT PLAN

Refer to the following procedure in Appendix 13:

- MMP-027 - Traffic Collection and Reporting

7.1 Descriptions, Qualifications, Duties and Responsibilities of Traffic Personnel

The qualifications and duties of the traffic engineering manager, traffic control coordinator, traffic safety officer, and other personnel with traffic control responsibilities are shown in Table 7.1.

Table 7.1: Qualifications and Duties of Traffic Personnel for Maintenance Work

<table>
<thead>
<tr>
<th>Traffic Personnel Title</th>
<th>Required Qualifications</th>
<th>Description of Duties</th>
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</tbody>
</table>

Refer to Chapter 1 of the MMP for Personnel Training and Certification of patrol staff in health and safety, traffic control, incident management, and identification of Defects.

7.2 Processes for Lane Closures and Traffic Control Plans

The Traffic Management Plan is at [Chapter X, Section X] of the PMP.

Refer to the following procedure in Appendix 13:

- MMP-028 – Lane Closures and Traffic Control

7.3 Public Information and Communications Plan

Refer to the following procedure in Appendix 13:

- MMP-029 – Implementation of Public Information and Communications Plan

The Public Information and Communications Plan is in [Chapter X, Section X] of the PMP.
APPENDIX 1: STAFF REQUIREMENTS TABLE

[Insert personnel details for Maintenance Work]

<table>
<thead>
<tr>
<th>Key personnel or other personnel position</th>
<th>Number of employees in category</th>
<th>Dates required in connection with Project</th>
<th>% of time to be allocated to Project</th>
<th>Corresponding TxDOT person</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

APPENDIX 2: STAFF NAMES CONTACT DETAILS AND QUALIFICATIONS

[Insert contact details, qualifications and training record for Maintenance Work]

<table>
<thead>
<tr>
<th>Key Personnel or other personnel position</th>
<th>Staff name and start date</th>
<th>Contact details</th>
<th>Education, qualifications and experience</th>
<th>Link to training record in connection with Project</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[Insert details or link to resume]</td>
</tr>
</tbody>
</table>

APPENDIX 3: CONTACT DETAILS FOR TXDOT AND THIRD PARTIES

[Insert contact details for Maintenance Work]

<table>
<thead>
<tr>
<th>Organization</th>
<th>Contact name, e-mail and address</th>
<th>Business Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>TxDOT [List all TxDOT contacts in connection with Project]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Governmental Entities [list all Governmental Entities]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traffic Management Centers (TMC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilities [list all utilities]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Other third parties]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
APPENDIX 4: PERMITS FOR GOVERNMENT AGENCIES AND THIRD PARTIES

<table>
<thead>
<tr>
<th>Permit Name</th>
<th>Agency/Reason for Permit</th>
<th>Description of Permit</th>
<th>Date of expiry / revision</th>
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</thead>
<tbody>
<tr>
<td>[List all Permits Required in connection with Project]</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

APPENDIX 5: [NOT USED]

APPENDIX 6: MAINTENANCE LIMITS AND LIMITS OF PERFORMANCE SECTIONS

[Include Schematic drawings that show the Maintenance Limits and the limits of the Performance Sections before Final Acceptance in accordance with Section 27.2 of the Technical Provisions]

APPENDIX 7: [NOT USED]

APPENDIX 8: [NOT USED]

APPENDIX 9: PERFORMANCE AND MEASUREMENT TABLES

[Insert the latest version of the Performance and Measurement Tables]

APPENDIX 10: MAINTENANCE FACILITY LOCATION

[Insert a map showing the location of the Maintenance Facility]
APPENDIX 13: MMP PROCEDURES

MMP procedures are shown below. [Add additional procedures as necessary and provide cross references to the applicable section of the MMP]

<table>
<thead>
<tr>
<th>MMP Procedure Number</th>
<th>MMP Procedure Name</th>
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</thead>
<tbody>
<tr>
<td>MMP-001</td>
<td>Submittals and Coordination with TxDOT, Other Agencies and Third Parties</td>
</tr>
<tr>
<td>MMP-002</td>
<td>Agency Coordination for Oversize Loads</td>
</tr>
<tr>
<td>MMP-003</td>
<td>Not Used</td>
</tr>
<tr>
<td>MMP-004</td>
<td>Maintenance of Facilities, Vehicles, and Equipment Plan</td>
</tr>
<tr>
<td>MMP-005</td>
<td>Emergency and Incident Management</td>
</tr>
<tr>
<td>MMP-006</td>
<td>Incident Damage Reports, Third Party Claims and Repairs</td>
</tr>
<tr>
<td>MMP-007</td>
<td>Complaint Review and Response</td>
</tr>
<tr>
<td>MMP-008</td>
<td>Customer Satisfaction Data Collection System</td>
</tr>
<tr>
<td>MMP-009</td>
<td>Snow and Ice Control Plan</td>
</tr>
<tr>
<td>MMP-010</td>
<td>Severe Weather Evacuation Plan</td>
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<td>MMP-011</td>
<td>Hazardous Materials Management Plan</td>
</tr>
<tr>
<td>MMP-012</td>
<td>Implementation of SW3P after Substantial Completion</td>
</tr>
<tr>
<td>MMP-013</td>
<td>Implementation of Spill Prevention and Countermeasures Plan</td>
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<tr>
<td>MMP-014</td>
<td>Implementation of Pollution Prevention Plan</td>
</tr>
<tr>
<td>MMP-015</td>
<td>Implementation of Waste Management</td>
</tr>
<tr>
<td>MMP-016</td>
<td>Implementation of Recycling Plan</td>
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<tr>
<td>MMP-017</td>
<td>Implementation of Environmental Procedures and Training</td>
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<tr>
<td>MMP-018</td>
<td>Mitigation Procedures for Impacts to Neighboring Facilities</td>
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<td>MMP-019</td>
<td>Not Used</td>
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<tr>
<td>MMP-020</td>
<td>Establishing Maintenance Management System</td>
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<td>MMP-021</td>
<td>Defect Categorization and Repair</td>
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<td>MMP-022</td>
<td>Maintenance Inspection Plan</td>
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<td>MMP-023</td>
<td>Maintenance Repair Submittal Plan</td>
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<td>MMP-025</td>
<td>Not Used</td>
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<td>MMP-026</td>
<td>Implementation of Safety Plan</td>
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<td>MMP-027</td>
<td>Traffic Collection and Reporting</td>
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<td>MMP-028</td>
<td>Lane Closures and Traffic Control</td>
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<td>MMP-029</td>
<td>Implementation of Public Information &amp; Communications Plan</td>
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<td>Not Used</td>
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<td>MMP-031</td>
<td>Not Used</td>
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<tr>
<td>MMP-032</td>
<td>Updating MMP Plan</td>
</tr>
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</table>
APPENDIX 14: TEMPLATE FOR TYPICAL PROCEDURE

1. PURPOSE AND NEED

   [List the reason for the procedure’s implementation.]

   1.1 Methodologies

   [List the methodologies to be defined as part of the procedure.]

2. SCOPE

   [Define the limits of the procedure. Define individuals or workgroups to whom the procedure applies.]

3. DEFINED TERMS

   ● [List the terms defined as part of the procedure]

4. STEPS IN PROCEDURE

   [Describe the procedure, in detail. List all steps. Assign individual responsibility for implementing the procedure]

   [Include tables, flowcharts and figures as applicable.]

5. DOCUMENT CONTROL

   [List the methods by which the procedure will be documented and archived. Define the location at which the procedure’s records will be filed.]

REFERENCES

   [Reference applicable documents within the contract with specific section and page locations.]

Approved By:

___________________________________________   _____________________
FirstName LastName
Maintenance Manager (MM) Date
RECORD OF REVISIONS

<table>
<thead>
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<th>Rev.</th>
<th>Date Issued</th>
<th>Pages Affected</th>
<th>Comments</th>
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<td>Initial Issue</td>
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<tr>
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<td>XX/XXXXXXX</td>
<td>XX-XX</td>
<td>Add brief comment regarding revision</td>
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APPENDIX 15: FORMS FOR MAINTENANCE PROCEDURES

[Where maintenance procedures listed in Appendix 13 require separate forms, include on table below. The form number shall directly relate to the procedure number. Change and complete as needed and provide references to Section of the MMP.]

<table>
<thead>
<tr>
<th>MMP Form Number</th>
<th>MMP Form Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[Add forms as required]</td>
</tr>
</tbody>
</table>

APPENDIX 16: QUALITY POLICIES AND PROCEDURES

[Insert here the quality policies and procedures applicable to the Maintenance Work]