

**SOUTHWEST LIGHT RAIL TRANSIT PROJECT
(METRO GREEN LINE EXTENSION)**
Section 106 Memorandum of Agreement



**Quarterly Report No. 10
(September 1, 2018 – November 30, 2018)**

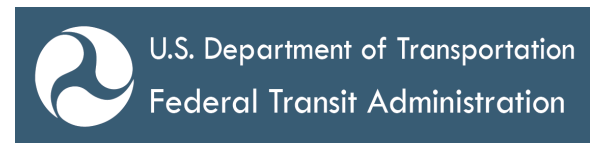
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Introduction

The Southwest Light Rail Transit (LRT) (METRO Green Line Extension) Project (Project) is an approximately 14.5-mile long extension of the METRO Green Line (Central Corridor LRT). The line will operate from downtown Minneapolis through the communities of St. Louis Park, Hopkins, Minnetonka, and Eden Prairie, passing in close proximity to Edina. The project includes 16 new stations, a new rail support facility in Hopkins, an expansion of the existing Franklin Operation and Maintenance Facility in Minneapolis, approximately 2,500 additional park-and-ride spaces, accommodations for passenger drop off, bicycle and pedestrian access, and new or restructured local bus routes connecting stations to nearby destinations.

The Project sponsor, the Metropolitan Council, may receive funding from the Federal Transit Administration (FTA) and permits from the United States Army Corps of Engineers (USACE) to construct the Project. Therefore, the Project is a federal undertaking and must comply with Section 306108 (previously Section 106 and hereinafter referred to as Section 106) of the National Historic Preservation Act of 1966, as amended (54 United States Code § 306108) and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800 et. seq. In accordance with 36 CFR Part 800.2(a)(2), the USACE has recognized FTA as the lead federal agency responsible for fulfilling their collective responsibilities for the Project under Section 106.

Pursuant to 36 CFR Part 800 et. seq., FTA, with assistance from the Minnesota Department of Transportation Cultural Resources Unit, consulted with the Minnesota Historic Preservation Office and other interested parties to define an Area of Potential Effect (APE), conduct surveys to identify and evaluate historic properties within the APE for the National Register of Historic Places, assess effects of the Project on historic properties, and resolve adverse effects. The measures FTA agreed to implement as part of the Project to avoid, minimize, and mitigate adverse effects on historic properties are documented in the *Memorandum of Agreement between the Federal Transit Administration and the Minnesota Historic Preservation Office Regarding the Southwest Light Rail Transit (METRO Green Line Extension) Project, Hennepin County, Minnesota (MOA)*, which was executed on June 21, 2016.

This quarterly summary report was prepared to meet the reporting requirements of MOA Stipulation X.A. It provides an itemized listing of all measures required to implement the terms of the MOA, identifies actions FTA has taken during the reporting period to implement those measures, and includes a timetable of activities proposed for implementation within the following reporting period. It also identifies any problems or unexpected issues encountered during the reporting period, any proposed scheduling changes, any disputes and objections submitted or resolved as part of FTA's efforts to carry out the terms of the MOA, and any changes recommended in implementation of the MOA.

Acronyms and Abbreviations

The following is a list of commonly used acronyms and abbreviations that may be found in the reporting table in the Implementation Efforts section of this report.

| | |
|---------|---|
| APE | Area of Potential Effect |
| BNSF | Burlington Northern Santa Fe Railway |
| Council | Metropolitan Council |
| CRU | Cultural Resources Unit |
| FTA | Federal Transit Administration |
| GN | Great Northern Railway |
| HPC | Heritage Preservation Commission |
| LRT | Light Rail Transit |
| MHPR | Minnesota Historic Property Record |
| MnDOT | Minnesota Department of Transportation |
| MnHPO | Minnesota Historic Preservation Office |
| MOA | Memorandum of Agreement |
| NRHP | National Register of Historic Places |
| OMF | Operations and Maintenance Facility |
| Project | Southwest Light Rail Transit/METRO Green Line Extension |
| Q1 | Quarter of the year, in this example, the First Quarter |
| RSF | Rail Support Facility |
| SCADA | Supervisory Control and Data Acquisition |
| SOI | Secretary of the Interior |
| StPM&M | St. Paul, Minneapolis & Manitoba Railroad |
| TPSS | Traction Power Substation(s) |
| WPA | Works Progress Administration |

Implementation Efforts

This is quarterly report No. 10 prepared under the terms of the Project MOA and covers the reporting period from September 1, 2018, through November 30, 2018.

Table 1. MOA Implementation

| MOA Action Item | Implementation Schedule | Implementation Status |
|--|---|--|
| Stipulation I. Project Design Development | | |
| <ul style="list-style-type: none"> Design Review - SOI's Standards for the Treatment of Historic Properties | On-going through completion of the 100% Plans, anticipated schedule: Q3 2016-2022 | On-going, also see Stipulations II, III, VI and VII, and Table 2: StPM&M / GN Historic District Measure I |
| <ul style="list-style-type: none"> Design Review – Non-SOI's Standards for the Treatment of Historic Properties | On-going through completion of the 100% Plans, anticipated schedule: Q3 2016-2022 | On-going, also see Stipulation II |
| Stipulation II. Pre-Construction Design Review | | |
| <ul style="list-style-type: none"> Review of 90% Plans¹ | <ul style="list-style-type: none"> General Project: Q3 2016 Project modifications related to the Council's Agreements with BNSF: anticipated Q2-Q4 2018, also see Stipulation III and Table 2: StPM&M / GN Historic District Measure I Project modifications related to Franklin OMF expansion, Hopkins RSF, and combined bid packages: anticipated Q3 2018-Q1 2019, also see Review of 100% Plans | <p>In process.</p> <ul style="list-style-type: none"> Completed August 2016 for Project as a whole. Project modifications <ul style="list-style-type: none"> Review of the 90% Plans for Project modifications required by and related to the Council's Agreements with BNSF as required by the mitigation plan for the StPM&M / GN Historic District is in process and is expected to be completed early in the next reporting period, also see Stipulation III and Table 2: StPM&M / GN Historic District Measure I. Review of the 90% Plans for Franklin OMF expansion is in process and will continue during the next reporting period. FTA revised the Project's Archaeological and Architecture/History APEs to account for the BNSF Agreements design modifications, the addition of the Franklin OMF expansion to the Project scope, and other design changes identified after the completion of the Civil Construction 100% Plans. No new |

¹ In accordance with MOA Stipulation II, MnDOT CRU and FTA identified two scope changes and several Civil Construction addenda items that necessitated revision of the Project's Archaeological and Architecture/History APEs. One of these scope changes included the expansion of the existing Franklin OMF. The Hopkins OMF, included in the scope when FTA issued its Section 106 final determination of effect for the Project on November 10, 2015, was removed. The Hopkins site will include a rail support facility (RSF). Operations and maintenance functions previously included at Hopkins OMF will be accommodated at the existing Franklin OMF that was originally constructed to serve the METRO Blue Line. Franklin OMF will require modifications to increase capacity and expand. The size of the OMF will not change. The Franklin OMF expansion was previously part of the Blue Line Extension LRT Project (SHPO #2011-3773). Franklin OMF was transferred from the Blue Line Extension LRT Project to the Southwest Line Rail Transit Project beginning in this reporting period.

| MOA Action Item | Implementation Schedule | Implementation Status |
|--|---|---|
| | | <p>archaeological resources were identified within the areas added to the Archaeology APE. Within areas added to the Architecture/ History APE, FTA identified two properties that it will treat as eligible for the NRHP for the purposes of assessing Project effects: Saloon/The Joint (HE-MPC-05085) and Warehouse/The Cabooze (HE-MPC-19116). The APE revisions and survey results were submitted to MnHPO on October 16, 2018 and MnHPO concurred with both on November 16, 2018. FTA will consult with MnHPO as appropriate per Stipulations II and III to consider effects on these properties. Also see Review of 100% Plans below and Stipulation III.</p> |
| <ul style="list-style-type: none"> • Review of 100% Plans | <p>To be completed prior to the start of Project construction, but will be completed in stages as 100% Plans for different Project construction packages are completed, anticipated schedule: Q4 2016-Q3 2018</p> <ul style="list-style-type: none"> • Civil: anticipated Q4 2016-Q1 2017 <ul style="list-style-type: none"> ○ Addenda: anticipated Q3 2017-Q3 2018 ○ Project Modifications related to the Council’s Agreements with BNSF: anticipated Q3 2018-Q4 2018, also see Stipulation III and Table 2: StPM&M / GN Historic District Measure I ○ Change orders: Q4 2018-2022 • Systems and Tunnel Facilities: anticipated Q1 2017-Q1 2019 • RSF: anticipated Q1 2017-Q2 2019 • SCADA: anticipated Q1 2017-Q4 2018 • Kenilworth Corridor Landscape: anticipated 2022 • WPA Walls: anticipated Q1-Q2 2017, also see Stipulation VII • Franklin OMF: anticipated Q1 2019-Q2 2019 | <p>In process.</p> <ul style="list-style-type: none"> • Civil 100% Plans: Completed February 2017. • WPA Walls: Completed April 2017, also see Stipulation VII. • Review of the Systems and Tunnel Facilities, OMF Plans, and SCADA: In process. • Kenilworth Corridor Landscape: In process. • MnDOT CRU continued to review Addenda Items to the Civil Construction 100% Plans. Three Civil Addenda and eight Civil Re-Bid Addenda packages were reviewed to determine potential for changes that would result in a change of effect to a historic property and adherence to SOI’s Standards. Review of the Civil Addenda was completed August 15, 2018. <ul style="list-style-type: none"> ○ MnDOT CRU found that all three Civil Bid Addenda and six of the Civil Re-Bid Addenda packages met the requirements of the MOA and that no further review under Section 106 was required. MnDOT CRU found that two Civil Re-Bid Addendums included plan revisions that will either be reviewed as part of the plans for the Project modifications related to the Council’s Agreements with BNSF, or will require additional reviews by FTA, including proposed revisions to the previously approved Construction Projection Plan for Historic Properties. Also see Stipulation IV and Table 2: StPM&M / GN Historic District Measure I. ○ During the current and previous reporting periods, MnDOT CRU identified Addenda Items that required slight revisions of the Project’s APEs. FTA revised the Project’s Archaeological and Architecture/History APEs on October 16, 2018 and MnHPO concurred with both on November 16, 2018. See Review of 90% Plans above and Stipulation III for details on historic properties identified within areas added to the APE and FTA’s |

| MOA Action Item | Implementation Schedule | Implementation Status |
|---|---|--|
| | | <p>plan to consult with MnHPO as appropriate to consider effects on these properties.</p> <ul style="list-style-type: none"> MnDOT CRU will continue to review any additional Addenda and/or Change Orders during the next reporting period and issue findings. When MnDOT CRU has completed its review of all addenda, FTA will review them and issue its determination. FTA will then notify MnHPO and other consulting parties and will consult as appropriate. |
| Stipulation III. Resolution of Additional Adverse Effects | As needed during duration of MOA implementation (Q2 2016-Q2 2026) | |
| <ul style="list-style-type: none"> StPM&M / GN Historic District | Q4 2017-Q2 2018 | Completed, Mitigation Plan implementation in process. Also see Stipulation II and Table 2: StPM&M / GN Historic District Measure I. |
| <ul style="list-style-type: none"> Properties in Areas Added to the APE | If needed: anticipated Q4 2018-Q2 2019 | Not started. When FTA revised the Architecture/History APE on October 16, 2018, within the areas added it identified two properties that it is treating as eligible for the NRHP for the purposes of assessing effects: Saloon/The Joint (HE-MPC-05085) and Warehouse/The Cabooze (HE-MPC-19116). FTA is assessing effects of the Project on these properties. If FTA determines that either property will be adversely effected by the Project, it will consult with MnHPO and MOA concurring parties to resolve the adverse effect. Also see Stipulation II. |
| Stipulation IV. Construction Protection Plan | | |
| <ul style="list-style-type: none"> Construction Protection Plan | <p>To be completed prior to the start of Project construction, anticipated schedule: Q3 2018-Q4 2018</p> <ul style="list-style-type: none"> Revisions: anticipated Q4 2018-Q1 2019 | <p>In process.</p> <ul style="list-style-type: none"> Completed April 2017 for project as a whole. MnDOT CRU found that a Civil Re-Bid Addendum included proposed revisions of the final Construction Protection Plan for Historic Properties. FTA anticipates reviewing any revisions to the Plan during the next reporting period, also see Stipulation II. |
| <ul style="list-style-type: none"> Vibration Management and Remediation Monitoring Reporting | | |
| <ul style="list-style-type: none"> o Pre-Construction Survey Reporting | To be completed prior to the start of Project construction, anticipated schedule: Q3-Q1 2019 | Not started |

| MOA Action Item | Implementation Schedule | Implementation Status |
|---|--|---|
| ○ Post-Construction Survey Reporting | On-going during Project construction, to be completed in the quarter following completion of Project construction, anticipated timeframe: Q4 2018-2022 | Not started |
| Stipulation V. Archaeological Sites 21HE0436 and 21HE 0437 | | |
| ● Phase III Data Recovery | To be completed prior to the start of Project construction in the vicinity of Sites 21HE0436 and 21HE0437, anticipated schedule: Q2-Q1 2019 | In process. Data recovery fieldwork was completed on June 22, 2018. Artifacts have been cleaned and cataloged. Artifact analysis will continue into the next reporting period. |
| ● Interpretation of Archaeological Sites | | |
| ○ Draft Interpretative Plan | Q2-Q3 2016 | Completed May 2016 |
| ○ Final Interpretative Plan | To be completed after completion of Phase III Data Recovery, anticipated schedule: Q3 2018-Q1 2019 | In development, on hold. MnHPO provided comments on the draft interpretative plan on May 27, 2016. The City of Minneapolis and Minneapolis HPC provided comments on June 10, 2016. To the extent feasible, the Council will incorporate these comments into the final interpretative plan. Work on the final interpretative plan will resume after completion of the Phase III Data Recovery artifact analysis. |
| ○ Installation of Interpretation at Royalston Station | To be installed after the Final Interpretative Plan is approved and finished before Project construction is completed, anticipated timeframe: Q1 2019-2021 | Not started |
| ○ Website to Interpret Sites 21HE0436 and 21HE0437 | To be developed after the Final Interpretative Plan is approved and completed prior to initiation of revenue service operations, anticipated timeframe: Q1 2019-2021 | Not started |
| Stipulation VI. Chicago, Milwaukee, St. Paul & Pacific Railroad Depot | | |
| ● Design measures to avoid adverse effect: relocate crossover tracks in front of depot 3,420' west and shift noise wall in front of depot 240' west | | |
| ○ Incorporate design revisions into 90% Plans | Q2-Q3 2016 | Completed August 2016 |

| MOA Action Item | Implementation Schedule | Implementation Status |
|---|--|---|
| ○ Consult on revised design prior to completion of 100% Plans | To be completed prior to the final 100% Plans, anticipated schedule: Q3 2016-Q1 2017, also see Stipulation II for timeline of completion of 100% Plans for different Project construction packages | Completed October 2016 |
| ○ Incorporate design revisions into 100% Plans | To be completed prior to the final 100% Plans, anticipated schedule: Q3 2016-Q3 2018, also see above and Stipulation II for timeline of completion of 100% Plans for different Project construction packages | In process. See above, below and Stipulation II. |
| ● Review of revised design | See Stipulation II | In process. Changes are reflected in the Civil 100% Plans reviewed by MnDOT CRU and FTA. Review of 100% Systems Plans is in process. Also see above and Stipulation II. |
| Stipulation VII. Grand Rounds Historic District | | |
| ● Kenilworth Lagoon Noise Mitigation | | |
| ○ Incorporate design into Project Plans | To be completed prior to the start of Project construction: Q3 2016-Q1 2017 | Completed February 2017 |
| ○ Construct noise mitigation | To be completed prior to the completion of Project construction, anticipated timeframe: Q3 2018-2021 | Not started |
| ● Additional design consultation prior to completion of the 100% Plans | Q3 2016-Q2 2017 | Completed June 2017 |
| ● Kenilworth Lagoon WPA Rustic Style Retaining Walls | | |
| ○ Construction plans | To be completed prior to the start of any Project construction in the vicinity of the WPA walls, anticipated schedule: Q3 2016-Q2 2017, also see Stipulation II | Completed April 2017. Also see Stipulation II. |
| ○ Deconstruction and reconstruction of wall portion under the Project's Kenilworth Crossing and rehabilitation of wall portions beyond the crossing | To be completed prior to the completion of Project construction, anticipated timeframe: Q4 2018-2021 | Not started |
| ● Plans for the Grand Rounds Historic District: Canal System | | |
| ○ Preservation Plan | To be completed prior to initiation of revenue service operations, anticipated timeframe: 2019-2023 | Not started |

| MOA Action Item | Implementation Schedule | Implementation Status |
|--|--|--|
| ○ Treatments Plan | To be completed prior to initiation of revenue service operations, anticipated timeframe: 2019-2023 | Not started |
| Stipulation VIII. Hopkins Commercial Historic District | | |
| • National Register of Historic Places Nomination | Work on nomination to be initiated within 6 months of MOA execution and completed prior to initiation of revenue service operations, anticipated timeframe: Q4 2016-2019 | In development. Research work needed to prepare the nomination is ongoing and will continue during the next reporting period. |
| • Public Education | To be completed prior to initiation of revenue service operations, anticipated timeframe: 2018-2019 | Not started |
| Stipulation IX. Standards | | |
| • Carry out work pursuant to the MOA in accordance with the <i>SOI's Standards for Archaeology and Historic Preservation</i> | Duration of MOA implementation, anticipated timeframe: Q2 2016-Q2 2026, or earlier if all MOA measures implemented | On-going |
| • FTA oversight to ensure that all activities carried out pursuant to the MOA are done by, or under the direct supervision of, historic preservation professionals who meet the <i>SOI's Professional Qualifications Standards</i> | Duration of MOA implementation, anticipated timeframe: Q2 2016-Q2 2026, or earlier if all MOA measures implemented | On-going |
| Stipulation X. Monitoring and Reporting | | |
| • Quarterly MOA Implementation Summary Report | Every 3 months following MOA execution until it expires or is terminated, anticipated schedule: Q3 2016-Q2 2026, or earlier if all MOA measures implemented | On-going. Quarterly summary report for previous reporting period submitted to MnHPO on September 12, 2018. Next quarterly report to be prepared and submitted at end of next reporting period. |
| Stipulation XI. Coordination with Other Federal Reviews | | |
| Stipulation XII. Review Process During Construction | | |
| • Plan for Unexpected Discoveries | To be developed and included as part of the Construction Protection Plan, anticipated schedule: Q3 2016-Q3 2017 | In process. <ul style="list-style-type: none"> • Completed April 2017 for project as a whole. |

| MOA Action Item | Implementation Schedule | Implementation Status |
|---|---|---|
| | <ul style="list-style-type: none"> Revisions: anticipated Q4 2018-Q1 2019 | <ul style="list-style-type: none"> MnDOT CRU found that a Civil Re-Bid Addendum included proposed revisions of the final Construction Protection Plan for Historic Properties. FTA anticipates reviewing any revisions to the Plan during the next reporting period, also see Stipulation II and IV. |
| <ul style="list-style-type: none"> Project Modifications | After the completion of the 100% Plans, through the completion of Project construction, anticipated timeframe: Q2 2017-2021 | Not started |
| <ul style="list-style-type: none"> Historic Properties Discovered or Unexpectedly Affected as a Result of Project Construction | As needed during Project construction, anticipated timeframe: Q3 2016-Q2 2026, or earlier if all MOA measures implemented | Not started |
| Stipulation XIII. Dispute Resolution | As needed during duration of MOA implementation, anticipated timeframe: Q2 2016-Q2 2026, or earlier if all MOA measures implemented | On-going, as needed, no activity during reporting period |
| Stipulation XIV. Duration, Amendments, and Termination | As needed during duration of MOA implementation, anticipated timeframe: Q2 2016-Q2 2026, or earlier if all MOA measures implemented | On-going, as needed, no activity during reporting period |

Table 2. Adverse Effect Mitigation Plan Implementation

| StPM&M / GN Historic District Mitigation Plan Action Item | Implementation Schedule | Implementation Status |
|--|--|--|
| Measure I. Project Design Development | | |
| <ul style="list-style-type: none"> Design Review - SOI's Standards for the Treatment of Historic Properties | On-going through completion of the 100% Plans, anticipated schedule: Q3 2017-2021, also see Table 1: Stipulations I and II | On-going, also see MOA Stipulations I, II, III, VI and VII |
| <ul style="list-style-type: none"> Review of 90% Plans | Project modifications related to the Council's Agreements with BNSF: anticipated Q2-Q4 2018 | In process. Review of the 90% Plans for Project modifications required by and related to the Council's Agreements with BNSF as required by the mitigation plan for the StPM&M / GN Historic District is in process and is expected to be completed early in the next reporting period, also see MOA Stipulations II and III. |
| <ul style="list-style-type: none"> Review of 100% Plans | <ul style="list-style-type: none"> Project modifications related to the Council's Agreements with BNSF: anticipated Q3-Q4 2018 Plans for interpretative element: anticipated, also see Measure III | Not started. |

| StPM&M / GN Historic District Mitigation Plan Action Item | Implementation Schedule | Implementation Status |
|---|---|---|
| Measure II. MHPR | | |
| <ul style="list-style-type: none"> Level II MHPR for the StPM&M / GN Historic District (Linden Avenue to 12th Street North) | To be completed prior to the start of any Project construction within and in the vicinity of the StPM&M / GH Historic District, anticipated schedule: Q3-Q1 2019, also see Table 1: Stipulation III | In process. Initial fieldwork completed on October 30, 2018. Work on the document will continue during the next reporting period. |
| Measure III. Interpretation of the StPM&M / GN Historic District | | |
| <ul style="list-style-type: none"> Draft Interpretative Plan | Anticipated schedule: Q2 2019-Q3 2019 | Not started |
| <ul style="list-style-type: none"> Final Interpretative Plan | Anticipated schedule: Q3-Q4 2019 | Not started |
| <ul style="list-style-type: none"> Review of 60% Plans for Interpretation | Anticipated schedule: Q4 2019-Q1-2020 | Not started |
| <ul style="list-style-type: none"> Review of 100% Plans for Interpretation | Anticipated schedule: Q2 2020-Q3-2020 | Not started |
| <ul style="list-style-type: none"> Installation of Interpretation | To be installed after the Final Interpretative Plan is approved and finished before Project construction is completed, anticipated timeframe: Q3 2020-2021 | Not started |
| <ul style="list-style-type: none"> Website to Interpret the StPM&M / GN Historic District | To be developed after the Final Interpretative Plan is approved and completed prior to initiation of revenue service operations, anticipated timeframe: Q3 2020-2023 | Not started |