

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



**Quarterly Report No. 12
(March 1, 2019 – May 31, 2019)**

Prepared by:

Minnesota Department of Transportation
395 John Ireland Boulevard
Saint Paul, Minnesota 55155-1899



On behalf of:

Federal Transit Administration
Region V
200 West Adams Street, Suite 320
Chicago, IL 60606



and

Metropolitan Council
Southwest LRT Project Office
6465 Wayzata Boulevard, Suite 500
St. Louis Park, MN 55426



June 2019

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
COR	Change Order Request
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. 12 was prepared under the terms of the Project MOA and covers the reporting period from March 1, 2019, through May 31, 2019.

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-Q2 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"> Project modifications required by and related to the Council's Agreements with BNSF: Completed January 2019. 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. As noted in MOA Quarterly Report No. 10, FTA, with assistance from MnDOT CRU, will consult with MnHPO as appropriate per Stipulations II and III to consider effects of the expansion on the two properties in the Architecture/History APE for the expansion that FTA is treating as NRHP eligible for the purposes of Section 106: Saloon/The Joint (HE-MPC-05085) and Warehouse/The

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 in Q4 2018.

MOA Action Item	Implementation Schedule	Implementation Status
		Cabooze (HE-MPC-19116). Also see Review of 100% Plans below and Stipulation III.
<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: anticipated Q4 2018-2022 • Systems and Tunnel Facilities: anticipated Q1 2017-Q3 2019 • Hopkins RSF: anticipated Q1 2017-Q3 2019 • SCADA: anticipated Q1 2017-Q3 2019 • Kenilworth Corridor Landscape: anticipated 2022 • WPA Walls: anticipated Q1-Q2 2017, also see Stipulation VII • Franklin OMF: anticipated Q1 2019-Q3 2019 	<p>In process.</p> <ul style="list-style-type: none"> • Civil 100% Plans: Completed February 2017. <ul style="list-style-type: none"> ○ Review of Addenda: Completed August 2018. ○ Review of the 100% 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: Completed April 2019. MnDOT CRU completed its review of the 100% Plans for Project modifications required by and related to the Council's Agreements with BNSF on April 5, 2019, and notified FTA of its findings. FTA completed its review of the 100% Plans for the Project modifications on April 14, 2019, and notified MnHPO of its findings. No comments from MnHPO were required. Also see below, Stipulation III and Table 2: StPM&M / GN Historic District Measure I. • 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. • During this reporting period MnDOT CRU reviewed CORs to the Civil Construction 100% Plans (the Council awarded a contract for Civil Construction in November 2018 and major project construction commenced on May 13, 2019) to determine potential for changes that would result in a change of effect to a historic property and adherence to SOI's Standards where required. A total of 24 CORs were provided by the Council for potential review, of which 4 were determined to not require review. The remaining 20 CORs were determined to require potential design changes that could result in a change of effect to a historic property and for adherence to SOI's Standards where required. <ul style="list-style-type: none"> ○ None of the 20 CORs reviewed were found to be a substantive design change that would result in a change of effect to a historic property. Of those that included design changes in areas subject to MOA Stipulation I and the Mitigation Plan for the StPM&M / GN Historic District, MnDOT CRU found that the proposed changes met the requirements of the MOA and/or the Mitigation Plan. Among the CORs reviewed were:

MOA Action Item	Implementation Schedule	Implementation Status
		<ul style="list-style-type: none"> ▪ Four CORs related to incorporating the Project modifications required by and related to the Council's Agreements with BNSF, and as reviewed by FTA on April 14, 2019, into the Civil Construction 100% Plans. Also see above, and ▪ Updates to the landscape plan for the Kenilworth Lagoon area. • MnDOT CRU will continue to review any additional CORs during the next reporting period and issue findings. If MnDOT CRU identifies any substantive changes, it will notify FTA of its findings. If FTA finds the item will result in a change of effect to a historic property, it will 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-Q3 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>Completed March 2019</p> <ul style="list-style-type: none"> • Originally completed April 2017 for project as a whole. • As noted in MOA Quarterly Report No. 9, as part of its review of addendums to the Civil Construction 100% Plans, MnDOT CRU found that a Civil Re-Bid Addendum included proposed revisions of the final Construction Protection Plan for Historic Properties. Subsequent to its review of the Addendum, MnDOT CRU assisted the Council with making additional revisions to the Plan that should allow for improved implementation of the plan. MnDOT CRU completed its review of the Revised Final Construction Protection Plan on February 6, 2019 and notified FTA of its findings. FTA completed its review of the Revised Final Plan on February 11, 2019 and submitted to MnHPO,

MOA Action Item	Implementation Schedule	Implementation Status
		Consulting Parties, and historic property owners for comment. MnHPO concurred with FTA's finding on March 18, 2019, also see Stipulation XII.
<ul style="list-style-type: none"> • Vibration Management and Remediation Monitoring Reporting 		
<ul style="list-style-type: none"> ○ Pre-Construction Survey Reporting 	To be completed prior to the start of Project construction, anticipated schedule: Q2 2018-Q3 2019	In process. Inspection survey work began during the reporting period and will continue into the next reporting period.
<ul style="list-style-type: none"> ○ Post-Construction Survey Reporting 	On-going during Project construction, to be completed in the quarter following completion of Project construction, anticipated timeframe: Q2 2019-2022	Not started
Stipulation V. Archaeological Sites 21HE0436 and 21HE 0437		
<ul style="list-style-type: none"> • 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 2018-Q3 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.
<ul style="list-style-type: none"> • Interpretation of Archaeological Sites 		
<ul style="list-style-type: none"> ○ Draft Interpretative Plan 	Q2-Q3 2016	Completed May 2016
<ul style="list-style-type: none"> ○ Final Interpretative Plan 	To be completed after completion of Phase III Data Recovery, anticipated schedule: Q1 2019-Q3 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.
<ul style="list-style-type: none"> ○ 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: Q2 2019-2022	Not started
<ul style="list-style-type: none"> ○ 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 2019-2023	Not started
Stipulation VI. Chicago, Milwaukee, St. Paul & Pacific Railroad Depot		

MOA Action Item	Implementation Schedule	Implementation Status
<ul style="list-style-type: none"> • 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 		
<ul style="list-style-type: none"> ○ Incorporate design revisions into 90% Plans 	Q2-Q3 2016	Completed August 2016
<ul style="list-style-type: none"> ○ 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
<ul style="list-style-type: none"> ○ Incorporate design revisions into 100% Plans 	To be completed prior to the final 100% Plans, anticipated schedule: Q3 2016-Q3 2019, 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.
<ul style="list-style-type: none"> • 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 Systems and Tunnel Facilities 100% Plans is in process. Also see above and Stipulation II.
Stipulation VII. Grand Rounds Historic District		
<ul style="list-style-type: none"> • Kenilworth Lagoon Noise Mitigation 		
<ul style="list-style-type: none"> ○ Incorporate design into Project Plans 	To be completed prior to the start of Project construction: Q3 2016-Q1 2017	Completed February 2017
<ul style="list-style-type: none"> ○ Construct noise mitigation 	To be completed prior to the completion of Project construction, anticipated timeframe: Q3 2018-2021	Not started
<ul style="list-style-type: none"> • Additional design consultation prior to completion of the 100% Plans 	Q3 2016-Q2 2017	Completed June 2017
<ul style="list-style-type: none"> • Kenilworth Lagoon WPA Rustic Style Retaining Walls 		
<ul style="list-style-type: none"> ○ 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.
<ul style="list-style-type: none"> ○ Deconstruction and reconstruction of wall portion under the Project's 	To be completed prior to the completion of Project construction, anticipated timeframe: Q2 2019-2021	Work anticipated to begin during the next reporting period, pending completion of the pre-construction survey and reporting. Also see Stipulation IV.

MOA Action Item	Implementation Schedule	Implementation Status
Kenilworth Crossing and rehabilitation of wall portions beyond the crossing		
<ul style="list-style-type: none"> • Plans for the Grand Rounds Historic District: Canal System 		
<ul style="list-style-type: none"> ○ Preservation Plan 	To be completed prior to initiation of revenue service operations, anticipated timeframe: 2019-2023	Not started
<ul style="list-style-type: none"> ○ Treatments Plan 	To be completed prior to initiation of revenue service operations, anticipated timeframe: 2019-2023	Not started
Stipulation VIII. Hopkins Commercial Historic District		
<ul style="list-style-type: none"> • 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 2016-2020	In development. Research work needed to prepare the nomination is ongoing and will continue during the next reporting period.
<ul style="list-style-type: none"> • Public Education 	To be completed prior to initiation of revenue service operations, anticipated timeframe: 2018-2020	Not started
Stipulation IX. Standards		
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • 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 March 5, 2019. Next quarterly report to be prepared and submitted at end of next reporting period.

MOA Action Item	Implementation Schedule	Implementation Status
Stipulation XI. Coordination with Other Federal Reviews	As needed for the 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, also see Stipulation II.
Stipulation XII. Review Process During Construction		
<ul style="list-style-type: none"> • Plan for Unexpected Discoveries 	<p>To be developed and included as part of the Construction Protection Plan, anticipated schedule: Q3 2016-Q1 2019</p> <ul style="list-style-type: none"> • Revisions: anticipated Q4 2018-Q1 2019 	<p>Completed March 2019</p> <ul style="list-style-type: none"> • Originally completed April 2017 for project as a whole. • As noted in MOA Quarterly Report No. 9, as part of its review of addendums to the Civil Construction 100% Plans, MnDOT CRU found that a Civil Re-Bid Addendum included proposed revisions of the final Construction Protection Plan for Historic Properties. Subsequent to its review of the Addendum, MnDOT CRU assisted the Council with making additional revisions to the Plan that should allow for improved implementation of the plan. MnDOT CRU completed its review of the Revised Final Construction Protection Plan on February 6, 2019 and notified FTA of its findings. FTA completed its review of the Revised Final Plan on February 11, 2019 and submitted to MnHPO, Consulting Parties, and historic property owners for comment. MnHPO concurred with FTA's finding on March 18, 2019, also see Stipulation 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 2017-2022	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 2017-2022, 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: Q2-Q4 2018	Completed January 2019. 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: Q3 2018-Q2 2019 • Plans for interpretative element: anticipated, also see Measure III 	Completed April 2019. MnDOT CRU completed its review of the 100% 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 on April 5, 2019 and notified FTA of its findings. FTA completed its review of the 100% Plans on April 14, 2019, and notified MnHPO of its findings. No comments from MnHPO were required. Also see MOA Stipulations II and III.
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 2018-Q3 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-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-Q3-2020	Not started

StPM&M / GN Historic District Mitigation Plan Action Item	Implementation Schedule	Implementation Status
<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 2020-2022	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