



## Surface Water Resources Evaluation Supporting Documentation

May 2016

Southwest LRT Project Technical Memorandum

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## **SOUTHWEST LRT (METRO GREEN LINE EXTENSION)**

### **1 Purpose**

The purpose of this technical memorandum is to summarize and document the technical reports that were used to evaluate water resources in the Southwest Light Rail Transit (LRT) Project's Final Environmental Impact Statement (EIS).

### **2 List of Technical Reports/Memoranda**

The sections below summarize all technical reports produced to inform the analysis contained in Section 3.9 of the Project's Final EIS. The attachments specified in each summary contain full copies of each report for reference.

#### **2.1 Executive Order 11988 Summary and Recommendations**

This memorandum provides a brief summary of the impacts to Southwest LRT (METRO Green Line Extension) resulting from the application of Executive Order (EO) 11988, Floodplain Management, May 24, 1977, as well as the Revised Guidelines for Implementing EO 11988 (draft dated 1/30/15). This document is located in Attachment A of this technical memorandum.

#### **2.2 Executive Order 13690 Summary and Recommendations**

This memorandum provides a brief summary of the impacts to Southwest LRT resulting from the application of EO 13690, which includes establishment of the Federal Flood Risk Management Standard (FFRMS) and Revised Guidelines for Implementing EO 11988, Floodplain Management. This document is located in Attachment B of this technical memorandum.

#### **2.3 Local and State Governing Agency Stormwater Requirements Summary**

This memorandum provides a brief summary of local and state governing agency stormwater requirements, and a proposed Southwest LRT best management practice toolbox and sequencing for compliance with these requirements. This memorandum is specific to agency stormwater quality and quantity requirements for short-term and long-term impacts. Wetland, floodplain, and other water resources related topics are discussed in separate memoranda. This document is located in Attachment C of this technical memorandum.

#### **2.4 Local Governing Agency Floodplain Requirements Summary**

This memorandum provides a brief summary of the impacts to Southwest LRT from the floodplain requirements of the local governing agencies. All of the agencies have adopted National Oceanic Atmospheric Administration (NOAA) Atlas 14 precipitation frequencies and have requirements for fill within the floodplain. This document is located in Attachment D of this technical memorandum.

#### **2.5 Wetland Investigation Report**

This report identifies, maps, and assesses aquatic resources located in and around the Southwest LRT Project's limits of disturbance. This document is located in Attachment E of this technical memorandum.

#### **2.6 2014 Supplemental Wetland Investigation Report**

This supplemental report identifies, maps, and assesses aquatic resources located within additional areas added to the Southwest LRT Project's limits of disturbance in 2014. This document is located in Attachment F of this technical memorandum.

#### **2.7 2015 Supplemental Wetland Investigation Report**

This supplemental report identifies, maps, and assesses aquatic resources located within additional areas added to the Southwest LRT Project's limits of disturbance in 2015. This document is located in Attachment G of this technical memorandum.

## **2.8 Southwest LRT Water Quality Technical Report**

This technical report summarizes water quality and public waters environmental analysis and supplements the Project's Final EIS. It supports the findings presented in Final EIS Section 3.9, Surface Water Resources, specifically for Public Waters and Surface Water Quality. This document is located in Attachment H of this technical memorandum.

## **2.9 National Environmental Policy Act/404 Merger Process – Southwest LRT Concurrence Points Package**

This document contains information submitted to the United State Army Corp of Engineers for concurrence points 1, 2 and 3 as a part of the merger process between the National Environmental Policy Act (NEPA) and Clean Water Act Section 404 permitting processes. This document is located in Attachment I of this technical memorandum.

## **2.10 National Environmental Policy Act/404 Merger Process – Southwest LRT Concurrence Point 4 Package**

This document contains information submitted to the United State Army Corp of Engineers for concurrence point 4 of the merger process between the NEPA and Clean Water Act Section 404 permitting processes. This document is located in Attachment J of this technical memorandum.

**Attachments**

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