# CONSTRUCTION TESTING AND INSPECTION SERVICES MASTER CONTRACTS - SUMMARY OF SERVICES MATRIX

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Other__see individual contract______________________________
Special Inspection of Structural Masonry Construction (Continuous___/Periodic___)
Other see individual contract____________________

Structural Steel Testing and Inspection
Strength Testing of Embedded Bolts
Observe and Test Welded and Bolted Connections during Structural Steel and Precast Concrete Erection
Observe and Test Welding and Screw Fastening during Metal Deck Installation
Other see individual contract____________________

Pavement Testing and Inspection
Observe and Test Rolling Operations on Subgrade Soils
Field and Laboratory Tests on Aggregate Base
Field and Laboratory Tests during Bituminous Paving
(Continuous___/Periodic___)
Other see individual contract____________________

Fireproofing / Firestopping Testing and Inspection
Test Installed Spray-on Fireproofing for Thickness, Density, Adhesion
Observe and Document Installation of Fire-Resistive Joint Systems
Other see individual contract____________________
Other

Window/Curtain Wall Testing and Inspection
Roofing/Waterproofing Testing and Inspection
Sealant Pull Tests
Fluid-Applied Vapor Barrier Testing

Phase I Archaeological Resources Investigation

Determine whether cultural resources are present within the project area, and whether these resources are potentially eligible for the National Register of Historic Places (NRHP).

All field methods and reporting of the Phase I Archaeological Resources Investigation will comply with the Minnesota State Historic Preservation Office guidelines as well as federal guidelines, and will meet the requirements of the Secretary of the Interior’s Standards.

If an archaeological site is found, wash, analyze, and catalogue all recovered artifacts. Laboratory and curation procedures will follow appropriate standard guidelines.
Curate the artifacts at the Minnesota Historical Society under Contractor’s curation agreement. Contractor’s lab director will ensure that the cataloging and curation meet the requirements of Minnesota’s repository guidelines.

Other______________________________________________
Excavate and document designated features in accordance with Minnesota State Historic Preservation Office guidelines as well as federal guidelines, and will meet the requirements of the Secretary of the Interior’s Standards.

Record excavation data on standardized forms and in the log book of the principal investigator including location and methods of testing; the numbers, types, and locations of recovered cultural materials; the depth and thickness of excavated soil layers; soil textures and inclusions; and soil color according to Munsell color charts.

Take up to 5 radiocarbon samples if suitable materials are encountered and complete standard radiometric analysis.

Clean, catalogue, label and bag all recovered artifacts in accordance with professional standards and submit recovered materials to the Minnesota Historical Society for curation.

Other ____________________________
Phase I Environmental Investigation

Complete a Phase I Environmental Site Assessment in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Document #8.

Conduct a visual (existing structures) assessment for typical suspect asbestos containing materials (ACM).

Assess the presence of PCBs at the subject site.

Collect and evaluate available historical information to determine if evidence exists indicating an existing release, a past release, or a material threat of a release of hazardous substances, hazardous materials or petroleum products to the Property.

Other see individual contract_________________________
Phase II Environmental Investigation

Prepare a workplan the Phase II Investigation in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Document #11 to determine if potential sources of contamination identified during the Phase I Investigation are causing a release or threatened release of hazardous substances, contaminants or pollutants to the soil, surface water and ground water on the property in question.

Prepare a site safety and contingency plan in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Document #10.

Conduct Phase II Environmental Investigation in accordance with approved work plan and in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Documents.

Other see individual contract______________________________
Prepare and, upon approval, implement the Response Action Plan (RAP) and in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Documents.

Following completion of the RAP, prepare an Implementation Report for submission to the MPCA for review and approval in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Documents.

Other, see individual contract______________________