

HMA

Quality Assurance Plan

For

MDOT LAP Project:
82000-205935A

City of Detroit Various Routes

Somat Engineering, Inc.

Project Location and Description:

This project consists of 15.82 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk, sidewalk ramps, drainage and pavement markings on various routes in the city of Detroit, Wayne County.

Quality Assurance (QA) Organization

WCRC & Somat Engineering HMA QA Team

QA Engineering & Field Staff:

Title	Name	Phone	Email Address	QA Role
Construction Engineer	Andrea Wilcox	313-965-6350	WilcoxA2@Michigan.gov	1, 2
Project Engineer	Kevin Surhigh	248-535-3370	ksurhigh@hrcengr.com	1, 2
Project Manager	**Steve Drummond	313-304-9287	SDrummond@somateng.com	1, 2
Asst. Project Engineer	San Rofoo	313-706-2119	srofoo@somateng.com	1, 2
Scheduler/Office Tech	Celeste Elliott	313-506-7225	CElliott@somateng.com	1, 2
Inspector	Danush Yeddula	248-752-1206	dyeddula@hrcengr.com	1, 2, 5
Field Technician	Ryan Castillo	313-680-3222	rcastillo@somateng.com	3, 5
Field Technician	Diego Riley	313-408-8403	driley@somateng.com	3, 5

Summer Co-ops and other SE staff that are qualified for HMA QA sampling may assist in field sampling. 3, 5
SE – Somat Engineering, Inc.

QA Laboratory Staff:

Title	Name	Phone	Email Address	QA Role
Lab Supervisor	Brian Gondek	313-304-9365	BGondek@somateng.com	4

QA Role Description:

- 1 - Review of Quality Control (QC)
- 2 - Quality Assurance Management
- 3 - Field Sampling
- 4 - Laboratory Testing
- 5 - Construction Inspection

**** Primary contact for HMA-QA Plan Administration**

QA Personnel Qualifications and Responsibilities

The area of responsibility for the HMA QA team members shall be as follows:

Review of the HMA QC plan and management of the HMA QA plan shall be performed by the QA Engineering Staff. In addition to these QA duties, they will be responsible for instituting any actions necessary to implement the HMA QA Plan. **The primary contact for administering the HMA-QA Plan will be Steve Drummond, P.E.** The HMA QA administrator will coordinate Independent Assurance Testing (IAT's) witnessed by MDOT for our field HMA sampling staff.

HMA QA sampling, construction inspection, and field documentation will be performed by trained and qualified technicians. A copy of the qualifications for individuals collecting HMA QA samples (MDOT IAT's) shall be kept in the project files. HMA technicians will sample using behind-the-paver and/or mini-stockpile methods at random intervals daily in the morning and the afternoon. HMA technicians will record sampling information in the "Asphalt Book" in general compliance with MDOT specifications.

HMA QA testing, equipment calibration, maintenance, and quality assurance documentation will be performed by qualified technicians. Copies of the certifications from the Michigan Bituminous QC/QA Technician Certification Program (LAP) for individuals performing HMA QA testing shall be retained in the project files. **HMA QA lab sample testing for this project will be performed at the Somat Engineering Construction Laboratory located at 26445 Northline Road, Taylor, MI 48180.**

Somat Engineering, Inc.'s Construction Laboratory participates in statewide HMA Round Robin testing which is used for comparing and evaluating the uniformity of HMA test results on a statewide basis. In addition to Round Robin testing, HMA control samples are tested throughout the construction season to compare the uniformity of test results and verify that equipment calibrations have not changed. All testing equipment within the testing laboratory is checked and calibrated annually by manufacturer's representatives and/or in-house against applicable specifications and tolerances. Copies of equipment calibrations are retained at the Somat Engineering, Inc. Construction Laboratory.

All HMA QA administration, sampling, testing, and documentation shall be performed in accordance with the MDOT Standard Specifications for Construction, the HMA Production Manual and applicable Special Provisions and/or Testing Procedures referenced in the contract documents.



FERRIS STATE UNIVERSITY

Institute for Construction Education and Training



HEREBY CERTIFIES THAT

Brian J Gondek

has demonstrated, through a written and practical examination,
the knowledge and ability to perform tests as a

**MICHIGAN CERTIFIED HOT MIX ASPHALT
QC/QA TECHNICIAN**

and is hereby awarded this certificate of certification.

Thomas C. Larabel, Program Coordinator
Institute for Construction Education and Training
Ferris State University

A. John Becsey, P.E.
Managing Director
Michigan Asphalt Paving Association

Curtis Bleech,
Pavement Operations Engineer
Michigan Department of Transportation

Qualification number: 0383-0421

Expires: April 30, 2021