



SPALDING DEDECKER ASSOCIATES, INC.

905 South Boulevard East • Rochester Hills • Michigan 48307 • Tel 248 844 5400 • Fax 248 844 5404
www.sda-eng.com

August 3, 2012

Department of Public Services
City of Rochester Hills
1000 Rochester Hills Drive
Rochester Hills, MI 48309

Attn: Mr. Paul Davis, PE
City Engineer

**Re: Construction Engineering Services
Avon-Livernois Aesthetic Improvements**
SDA Project No.: PR12-202

Dear Mr. Davis:

Spalding DeDecker Associates, Inc. (SDA) is pleased to submit this proposal for construction engineering services for the above referenced project.

SCOPE

The Avon-Livernois Aesthetic Improvement Project is located within the Rochester Hills city limits at the intersection of Avon and Livernois Roads. In general, the work consists of hot mix asphalt non-motorized pathway, timber bridge removal, retaining wall, concrete curb, gutter, sidewalk and ramps, landscaping, and restoration. It is anticipated that the construction project will likely commence in September or October 2012 with a construction completion no later than May 17, 2013.

SDA understands that there is a PROGRESS CLAUSE in the contract. Work shall be completed in two primary stages with the first stage including work on the north side of Avon Road which can be started immediately following the notice of award. ADA sidewalk and ramp work in the NE and NW quadrants shall be completed in series.

The second stage of work is comprised of efforts south of Avon Road. SDA understands this work is NOT to commence until the concurrent bridge construction project (RCOC #50873) is completed. When in doubt, the RCOC project takes precedence over our project with regard to contractor staging operations in the Livernois ROW. This project will require a special coordination effort between RCOC personnel, City of Rochester Hills personnel, and the private utility companies who have facilities on the bridge scheduled for removal. ADA sidewalk and ramp work in the SE and SW quadrants shall be completed in series.

The project is funded and contracted under the State of Michigan Department of Transportation, with a scheduled bid letting of August 2012; therefore, the Contractor is unknown at this time.

Engineering Consultants

Infrastructure • Land Development • Surveying



Below is our understanding of SDA's scope of work:

Project Administration: John Becht will perform as the Project Engineer and will function as the Consultant's principal contact with the City of Rochester Hills and the City's Project Manager for this project. ***Please refer to the attached SDA personnel organizational chart for a description of the project team and a compilation of projects for which we have provided CE services.*** Chris Robbins, PE will be the QA/QC Engineer and review the project files. Dave Eno, PE will be providing design assistance, should the need arise during the course of project construction. Having designed the engineering plans, Dave will be a significant resource for the team during construction.

Diane Zobl will provide office support and function as the office technician for development and control of the project files. Mr. Becht will also arrange and conduct the bi-weekly Progress Meetings and prepare and distribute the meeting minutes. He will keep the Rochester Hills Project Manager informed of any unanticipated changes, extras, or adjustments as they may occur. Contract Modifications will then be prepared and distributed for signature. Finally, Mr. Becht understands that this is a prevailing wage contract; therefore, he will ensure that wage interviews are conducted properly, and certified payrolls are collected and approved in accordance with Davis-Bacon Act reporting requirements.

Mr. Becht will arrange and schedule the Project Final Inspection when all work has been completed and is ready for acceptance. Any punch list items will then be completed. Following the Final Inspection, the Project File will be completed for MDOT's Final Records Review and Final Acceptance.

Inspection: Mr. Ray Gallihugh will be the Construction Technician for the project. Ray will perform as the Project Inspector consistent with the City of Rochester Hills and MDOT's practice and in accordance with the Specifications, Plans, Proposal, the *Michigan Construction Manual*, the *Material Sampling Guide*, and any and all other applicable references, guidelines, and/or procedures manuals. Ray will perform full-time inspection and be available for consultation by the City's Project Manager and will report directly to John Becht. Ray is a former MDOT technician with more than 40 of years experience working on MDOT projects and is well-suited for this project.

Staking: Mike DeDecker, PS will be the Project Manager for Construction Staking. Mr. DeDecker will report directly to John Becht. The staking will be on an as-needed basis and will be performed in accordance with MDOT standards, including, but not limited to, all staking as indicated in SP 104(A) Contractor Staking to ensure accuracy and compliance with the contract documents. The survey team will be used to help resolve any plan errors, discrepancies, or omissions identified by the Contractor and /or Consultant and notify the Project Manager. SDA's survey and mapping department has a well established track record for performing construction staking and engineer staking on MDOT projects.

Quality Control Testing and Reporting: A qualified geotechnical firm will provide QA on the sampling and testing of materials, including, but not limited to, concrete quality assurance testing including concrete cylinder breaks, bituminous testing, off-site aggregate testing, on-site aggregate density testing and reporting, furnish off-site inspections and tests for concrete



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aggregates, and testing of required materials according to *Materials Sampling Guide*. Said firm will provide a determination of the acceptability of materials found to be in non-compliance. This information will be immediately provided to the City of Rochester Hills Project Manager by Mr. Becht, and a determination will be made for compliance of the material for the project.

CONSTRUCTION ENGINEERING FEE

The fee to provide the above referenced scope of services is **\$38,400.00**. This fee is based on Z Contracting's low apparent bid of \$274,382.50 multiplied by a C.E. percentage of 14%. The percentage is based on MDOT'S "Suggested Construction Engineering Percentages for Consultant Contracts". The fee for project up to \$499,999 is 12.0% plus the fee for full consultant staking (no Contractor staking) of 2.0%. The fee will be invoiced monthly.

Should you find this proposal acceptable, please sign and witness as shown below. Kindly return one signed original to our office for our records. Should you have any questions, do not hesitate to contact me.

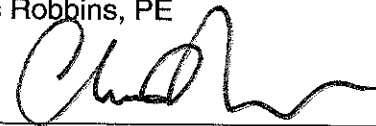
Sincerely,

SPALDING DEDECKER ASSOCIATES, INC.

Witnesses:

- 1) K Samorostei
- 2) Red Meadows

Chris Robbins, PE

By: 
 Spalding DeDecker Associates, Inc.
 905 South Boulevard East
 Rochester Hills, Michigan 48307
 Tax I.D. # 38-1598901
 Telephone: 248-844-5400

CITY OF ROCHESTER HILLS

WITNESSES:

- 1) _____
- 2) _____

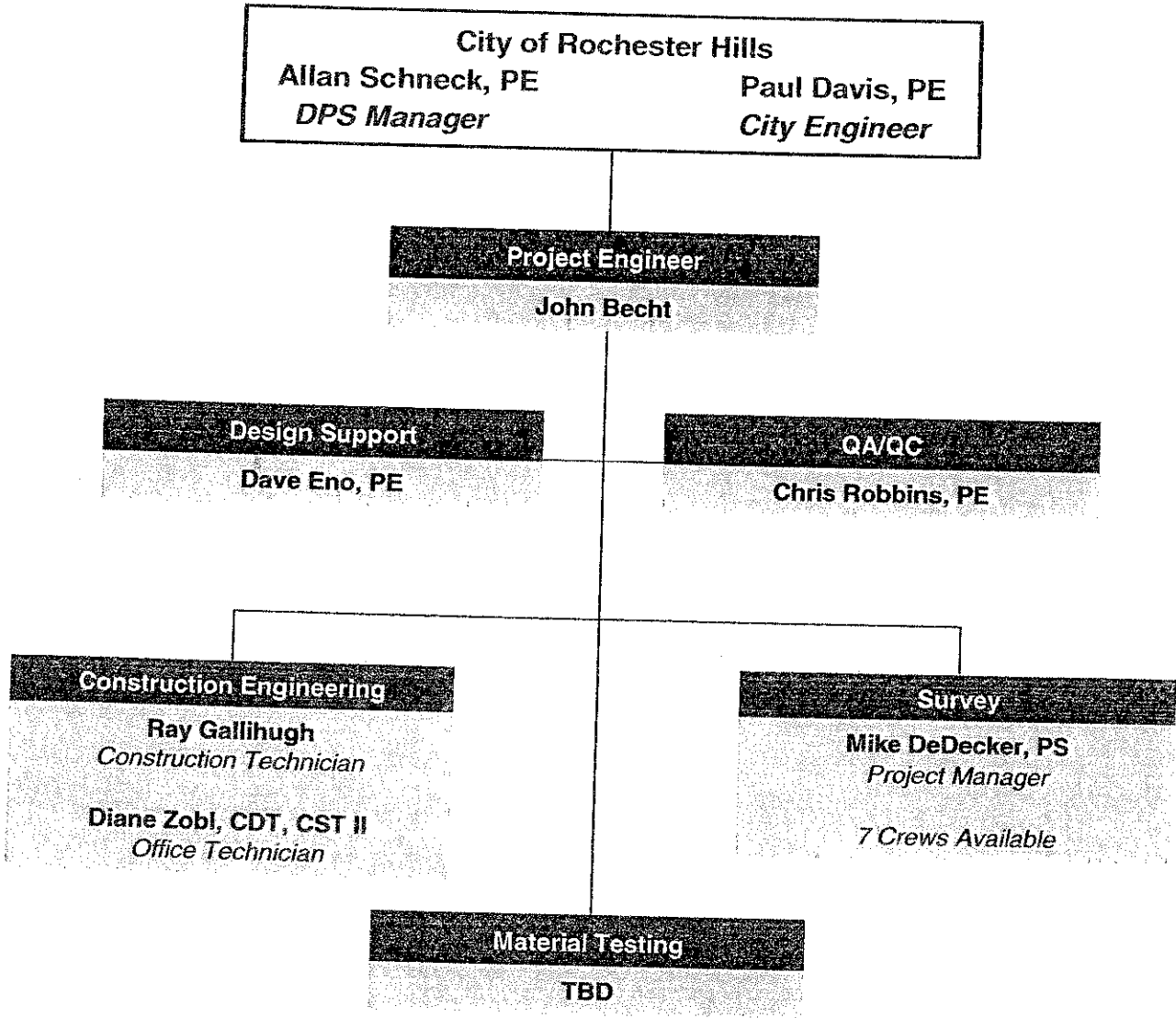
CITY OF ROCHESTER HILLS

By: _____
 Bryan K. Barnett Date
 Its: Honorable Mayor

Engineering Consultants

Infrastructure • Land Development • Surveying

Organizational Chart



Construction Engineering Experience

The Construction Engineering Department (CE) at Spalding DeDecker Associates, Inc. (SDA) professionally enforces the proper installation of our clients' infrastructure. With highly trained and well experienced field personnel, we ensure that construction progresses properly, efficiently and in accordance with approved engineering plans and specifications. Our Construction Technicians on site, averaging about 30 yrs. experience, are very familiar with local and federal regulations as well as accepted construction practices and industry standards.

The following is a sampling of successful recently completed CE projects.

- City of Novi Concrete Pavement Program
- City of Novi Neighborhood Road Program – Asphalt
- Stephenson Highway Resurfacing, MDOT / Troy, MI
- Coolidge Intersections CMAQ and Signal Upgrades, MDOT / Troy, MI
- Dickinson Street Bridge Rehabilitation, MDOT / Mount Clemens, MI
- Rathbone and Main Street HMA Resurfacing, MDOT / Mount Clemens, MI
- Wayne Street HMA Resurfacing, MDOT / Pontiac, MI
- Conner Creek Non-Motorized Pathway, MDOT / Detroit, MI
- Schoolcraft Road HMA Resurfacing, MDOT / Livonia, MI
- Newburgh Road HMA Resurfacing, MDOT / Livonia, MI
- City of Livonia Asphalt Pavement Program
- City of Livonia, Idyl Wyld Golf Course
- Construction Office Technician Assistance, MDOT Taylor TSC
- Construction Office Technician Assistance, City of Troy Engineering
- Crowe and Ingersol Road Reconstruction, Novi, MI
- City Center Plaza, Novi, MI
- Fuerst Park, Novi, MI
- 12 Mile Road Reconstruction, Novi, MI
- Beck Road Rehabilitation, Novi, MI
- Civic Center and Ella Mae Basin Rehab, Novi, MI
- Walmart Utilities, Paving and Site Work, Novi, MI
- Section 10 Water Main Replacement, Troy, MI
- Heide, Thunderbird, Oliver Water Main, Troy, MI
- City of Canton Water Main
- Consumer's Energy Addition and Site Work, Armada, MI
- City of Livonia Civic Center, Library Drive and Parking Lot
- City of Northville Pathways
- Kirkway Bridge Replacement, RCOC, Bloomfield Township, MI
- CSO Outfall L49 Sewer Separation Project, City of Inkster, MI
- City of Inkster Pavement Repair Program
- Great Lakes Crossing – Ring Road, Auburn Hills, MI
- Marysville High School Utilities, City of Marysville, MI
- Cranbrook Institute Vaughan Gate and Valley Way, Bloomfield Hills, MI
- North Gratiot Interceptor, Lenox Township, MI
- Gratiot Water Main, Lenox Township, MI
- 26 Mile Road Sanitary Sewer Extension, Lenox Township, MI
- 26 Mile Road Pump Station Upgrades, Lenox Township, MI



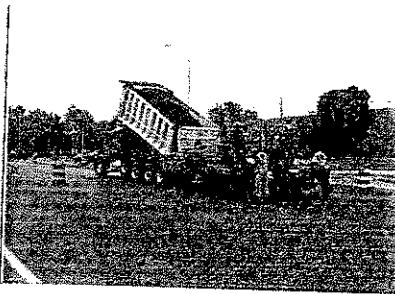
Construction Engineering Experience

- Romeo Plank Road Water Main Replacement, Macomb Township, MI
- New Haven Water Main Extension, Macomb Township, MI
- Sanitary Pump Station No. 2 Replacement, Macomb Township, MI
- US Postal Annex, Macomb Township, MI
- Water and Sewer Building Sanitary Extension, Macomb Township, MI
- SMART Bus Garage Driveway and Utilities, Macomb Township, MI
- City of Mount Clemens Water System
- UV Disinfection Unit and Meadle St. Sanitary, Mount Clemens, MI
- Parcel "G", Mount Clemens Housing Commission
- Middlebelt Sinkhole Road Restoration, Oakland County WRC
- Van Horn Road and Woodhaven Brownstown Schools, Brownstown, MI
- Novi Corporate Campus, Novi, MI

SDA, as the Consultant Engineer, will typically hold a project Kickoff Meeting and regular progress meetings through the duration of a project. Communication is of utmost importance to the success of a project. SDA's CE group believes the best policy is to be open and up-front. When expectations are made clear ahead of time there is less likelihood of misinterpretation later. All parties know what their responsibilities are and the contractor knows that we will be on site as the "eyes and ears" of the owner. Daily reports, usually with photos and sketches, are provided along with test results. The CE group coordinates testing procedures, as required.

Construction Contract Administration, especially on Federally funded projects, also requires specific processes. Our proficiency in FieldManager and our understanding of construction documentation requirements can assist clients in maintaining project records that will satisfy DOT audit reviews at completion. Our field personnel work together with the owner's personnel, the contractor, and their sub-contractors to create a team-based environment with open and cooperative communication to make sure Federal and County requirements are met. From thorough Inspector's Daily Reports to proper material testing certifications, our certified inspectors and engineers are well-versed in Federal requirements and are eager to offer you our professional services to assure that correct processes are followed and do not jeopardize Federal participation.

A few of SDA's successful CE projects are highlighted in the brief summaries listed below. More complete descriptions and details can be found in the attached project profile sheets.



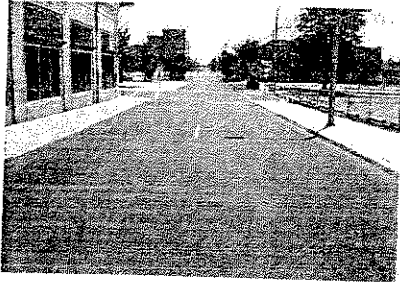
Newburgh Road Rehabilitation, Livonia, MI

SDA was retained by the City of Livonia to design and oversee the rehabilitation of Newburgh Road as part of their ongoing annual road improvement program. The project entailed rehab of 0.90 miles of hot mix asphalt resurfacing. Also included were concrete pavement repair, ADA sidewalk upgrades, curb and gutter replacement, geometric cross-slopes and drainage improvements. (Client: City of Livonia / MDOT)

Construction Engineering Experience

Stephenson Highway Rehabilitation, Troy, MI:

This 1.89 mile section of highway between 14 Mile Road and the I-75 service ramps in Troy was primarily a resurfacing job but in parts a total reconstruct. This section of Stephenson Highway is very high volume with businesses along its entire length. Maintaining access was a major priority. SDA provided Construction Engineering Services and full oversight for the project which entailed pavement removal, earth excavation, concrete base course, hot mix asphalt resurfacing, concrete curb and gutter, storm sewer, drainage improvements, utility relocation and signing and signal upgrades. (Client: City of Troy / MDOT)



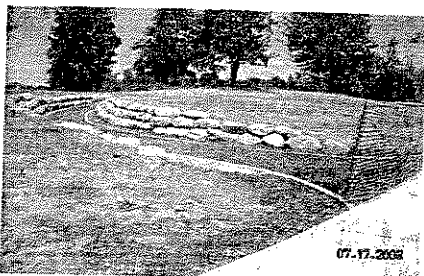
Wayne Street Resurfacing, Pontiac, MI:

The Wayne Street Project encompassed the section of roadway from Pike Street northerly to Lafayette in the City of Pontiac. It included roadway cold milling and resurfacing, sidewalk remove and replace, ADA ramps, drainage improvements, concrete curb and gutter, crack repair, temporary and permanent signing, pavement marking and restoration.

This Project was funded with American Recovery and Reinvestment Act (ARRA) funds and followed strict ARRA documentation guidelines. This program received full review by the MDOT Oakland TSC. (Client: City of Pontiac / MDOT)

Dickinson Street Bridge Rehabilitation Project, Mt. Clemens, MI:

This bridge rehab over the Clinton River included deck hydro-demolition, joint replacement, pin and hanger replacement, barrier wall, railing, concrete overlay, steel beam painting and approach replacement. Extensive false decking was used to protect the river from construction debris. An expedited schedule minimized both motor vehicle and boater traffic impacts. (Client: City of Mount Clemens / MDOT)



Fuerst Park, Novi, MI:

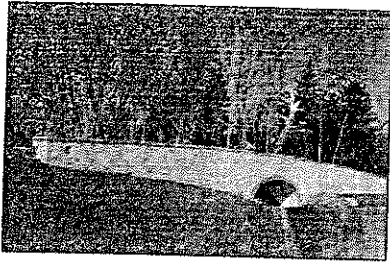
This community enhancing project included the park grounds, an amphitheater and several walkways. The elliptical perimeter walk is concrete with exposed aggregate and a decorative edge. It ties the park to adjacent sites with arcing "spur" walks. The park's central hilltop is accessed by several pathways that are constructed of decomposed black granite and edge pavers, bordered in areas by natural stone retaining walls. Care was given to keep path slopes in compliance with ADA specifications. (Client: City of Novi)

Northville Bennett Arboretum Pathway, Northville, MI:

SDA was retained by the Charter Township of Northville to provide Design, Contract Administration, Layout Staking, Construction Observation and descriptive signage for this very unique Pathway Project. The new 3,000 lineal foot asphalt pathway traverses through elevated areas with steep side slopes by cleverly utilizing live retaining walls, an elevated boardwalk and a picturesque pedestrian bridge crossing Johnson Creek. Green features were used to protect the sensitive environment. (Client: Northville Township)



Construction Engineering Experience



Kirkway Road over Lower Long Lake Cove, Bloomfield Twp, MI:
The project work included complete reconstruction of the narrow, deteriorated structure. The new concrete arch structure was widened to two lanes, and the profile grade was lowered to provide improved sight distance. The project also included new concrete retaining walls, along with wider approaches and the relocation of existing water main and sanitary sewer. (Client: Road Commission for Oakland County)

Spalding DeDecker Associates, Inc. (SDA) is very proud of the reputation we have established by providing solutions that work. We encourage you to contact the following references to obtain an assessment of our performance on a wide variety of CE projects.

City of Troy, MI
Bill Huotari, PE
Deputy City Engineer
(248) 854-3387

City of Novi, MI
Rob Hayes, PE
City Engineer
(248) 735-5600

City of Livonia, MI
Todd Zilincik, PE
City Engineer
(734) 466-2608

City of Monroe, MI
Patrick Lewis, PE
City Engineer
(734)243-0700

City of Rochester Hills
Department of Public Works, MI
Allan Schneck, PE
Director of DPW
(248) 841-2497

Office of Macomb County Public Works
Commissioner, MI
Thomas Stockel
Construction Engineer
(586) 469-5325

Oakland County Water Resources
Commissioner, MI
Phil Sanzica, PE
Chief Engineer
(248) 858-0958

Macomb Twp Water and Sewer Department
Gerry Wangelin
Superintendent
(586) 598-0687

Michigan Department of Transportation
Taylor Transportation Service Center
Kim Avery, PE
TSC Manager
(313) 375-2400

Wayne County
Department of Public Services, MI
Kenneth Kucel, PE
Director of Engineering
(313) 375-2400