



McMAHON ASSOCIATES, INC.
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PRINCIPALS

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ASSOCIATES

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Maureen Chlebek, P.E., PTOE
Dean A. Carr, P.E.

June 12, 2018

Peter Friedrichs, Director
Planning and Economic Development
City of Central Falls
580 Broad Street
Central Falls, RI 02863

DRAFT

RE: Proposal for Roadway Inventory Update
Central Falls, Rhode Island

Dear Mr. Friedrichs:

McMahon Associates, Inc. (McMahon) is pleased to submit this proposal for the update of the City's Roadway Inventory. The attached scope of work is based on the existing roadway inventory list provided by the City as well as the request to expand the roadway inventory criteria to include the guidelines listed in "Central Falls Green and Complete Streets Ordinance Final" introduced November 13, 2017, and attached to this proposal. McMahon will coordinate with and utilize Central Falls staff for data collection and inventory, as noted in the scope below.

Scope of Services

Data Collection and Field Review

McMahon will obtain RoadBotics centerline imagery data to document the existing roadway infrastructure throughout the City of Central Falls. The existing conditions as documented in the RoadBotics data will be reviewed and key locations will be verified during a field review. The RoadBotics imagery provides data points at ten-foot intervals along a roadway. A photo of the roadway is provided which allows the condition of the roadway pavement to be categorized. The pavement condition is assessed by identifying pavement surface damage including cracks, potholes, seals, and patches. The ratings are color coded into five levels and presented on a data map. The assessment data can be integrated into existing GIS systems. The data is accessible for a one-year period.

Update Existing Roadway Inventory

The RoadBotics photo inventory and pavement assessment will be used to update many of the features highlighted in the existing roadway inventory spreadsheet, as shown in Table 1. Google

earth and GIS resources will also be utilized. Select locations will be identified for field reviews to better assess the sidewalk and drainage conditions. The inventory list update will be conducted as a collaborative effort between staff from McMahon and the City of Central Falls. Specifically, City staff will focus on inventorying the features of crosswalks, public transit facilities, street trees, bicycle features and sidewalks. The inventory data will be compiled by City staff and McMahon in excel spreadsheet format using the City's current roadway inventory spreadsheet.

Tasks to update the existing roadway inventory include:

- Verify the existing elements included in the roadway inventory list throughout the City of Central Falls
- Update the existing elements included in the roadway inventory list to reflect the existing conditions throughout the City of Central Falls
- Compile existing Municipal and/or RIDOT plans for upcoming projects to be included in the inventory list

**Table 1
 Central Falls Roadway Inventory**

Roadway inventory Element	Roadbotics	Google Earth	GIS	Select Field Reviews	Formula
Roadway Name		X			
Roadway Start		X			
Roadway End		X			
Total # of Travel Lanes	X				
Roadway Surface - Type	X				
Roadway Surface - Conditions	X				
Road Width		X			
Road Length			X		
Area of Pavement					X
Curbing - Type	X				
Curbing - Condition	X				
Sidewalk - Type	X				
Sidewalk - ADA Concerns	X				
Sidewalk - Condition	X				
Drainage - On-Road	X				
Drainage - Off-Road	X				
Drainage - Condition				X	
Total Score					X
Cost for Roadway					X
Cost fo Sidewalk & Curbing					X

Expansion of Roadway Inventory Elements to include Complete Streets criteria

In addition to updating the existing roadway inventory, McMahon will expand the inventory to include a majority of the features identified in the City’s Green and Complete Streets Ordinance.

The tasks include:

- Review the most recent two-year period of crash data and traffic complaints available from the City
- Inventory the existing bicycle facilities utilizing the RoadBotics data obtained and quantify by type of feature and length of facility.
- Inventory the sidewalk quantity and quality utilizing the RoadBotics data obtained as well as Google Maps and GIS data.

- Quantify crosswalk locations along a roadway in terms of existing and missing crosswalks at intersections.
- Quantify speed data provided by the City of Central Falls at up to ten locations.
- Inventory the number and accessibility of public transit facilities throughout the City.
- Provide information on the presence and approximate spacing of street trees along each roadway segment.
- Inventory the existing sidewalk ramps utilizing the RoadBotics data obtained as well as Google Maps and GIS data, and complete a visual ADA compliance evaluation. Identify the number of non-ADA compliant curb ramps per roadway.
- Estimate the travel lane widths using Google and RoadBotics images.
- Using data provided by the City, summarize the number of traffic complaints, the number and severity of traffic violations and accidents by mode per roadway. This proposal assumes that this data can be produced by the City and provided in a format organized by roadway and mode.

Data will not be collected for the following performance measures and reporting identified in the City's Green and Complete Streets Ordinance as part of this proposal. If the City has information readily available on these topics, McMahan can add the information to the roadway inventory.

- Maintenance activities of existing Green and Complete Streets facilities
- Total dollar amount spent on Green and Complete Streets activities
- Percent of impervious surface area in the city
- Water quality (bacteria and trace metal pollution) of each stormwater (non-sanitary) outfall located in the City.

Meetings

It is anticipated that attendance at meetings may be required with the project team, the City, RIDOT or the community. McMahan is willing participate in these meetings as needed, but the number of these meetings and the level of participation by McMahan is unknown at this time. For this reason meetings are not included in the scope of services and will be billed on a time and materials basis in accordance with McMahan's Standard Provisions for Professional Services.

Fee

McMahan will prepare the Traffic Impact Study for a fixed fee for \$19,900. This fee for the above services is exclusive of out-of-pocket expenses, such as mileage and report reproduction, etc. Requests for additions to study area, report revisions, additional analyses, and preparation for and attendance at meetings are not included in this proposal, and will be provided, only as necessary and as authorized, on a time-and-material basis in accordance with the Standard Provisions for

Professional Services. If the additional services outlined above are required, an addendum to this proposal will be provided.

Schedule

We are prepared to initiate work on this project immediately upon authorization to proceed. In order to obtain the Roadbotics inventory by July 27, 2018, Notice to Proceed (NTP) is required prior to June 29, 2018. We will work with the City to establish a reasonable project schedule.

Conditions

The conditions of our agreement call for the execution of this contract in the space provided below with the understanding that invoices will be provided monthly and are payable within 30 days. Invoices not paid within 30 days are subject to a 1.5% monthly interest rate charge, in accordance with the attached standard provisions. If invoices are not paid within 90 days, the client will be notified and work on the project will be stopped until outstanding invoices have been paid. The fee quoted above is valid for a period of 90 days from the date of this contract. Any changes in the specific work program described above will result in an adjustment in the conditions and fees.

If you have any questions regarding this proposal, please feel free to contact me. Thank you for your consideration of our proposal. We look forward to working with you on this project.

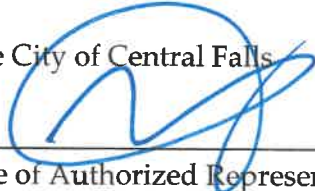
Very truly yours,



Maureen Chlebek, P.E.
Senior Project Manager

Attachment

Accepted for The City of Central Falls

By:  Title: Mayor
(Signature of Authorized Representative)

James A. Diossa Date: 6-28-18
(Print Name)

Reviewed by
Finance Director
Leonard Metzger's

Approved as to form and correctness

City Solicitor

McMAHON ASSOCIATES, INC.
STANDARD PROVISIONS FOR PROFESSIONAL SERVICES
 January 1, 2018

SERVICES

McMahon Associates, Inc. reserves the right to make adjustments for individuals within these classifications as may be desirable in its opinion by reason of promotion, demotion, or change in wage rates. Such adjustments will be limited to the manner in which charges are computed and billed and will not, unless so stated in writing, affect other terms of an agreement, such as estimated total cost. The following rates will apply to actual time devoted by McMahon Associates, Inc. staff to this project computed to the nearest one-half hour.

<u>PERSONNEL</u>	<u>HOURLY RATES</u>
Field Traffic Count Personnel	\$ 50.00
Survey Technician	\$ 75.00
Technician/Word Processor I	\$ 80.00
Technician/Word Processor II	\$ 85.00
Technician/Word Processor III	\$ 90.00
Technician/Word Processor IV	\$ 95.00
Technician/Word Processor V	\$105.00
Engineer I	\$110.00
Engineer II	\$115.00
Engineer III	\$125.00
Engineer IV	\$130.00
Engineer V	\$140.00
Engineer VI	\$150.00
Party Chief	\$100.00
Chief of Surveys	\$135.00
Traffic Control/Construction Specialist	\$135.00
Senior Engineer/Planner I	\$160.00
Senior Engineer/Planner II	\$170.00
Senior Engineer/Planner III	\$180.00
Senior Engineer/Planner IV	\$190.00
Senior Engineer/Planner V	\$200.00
Senior Engineer/Planner VI	\$205.00
Senior Engineer/Planner VII	\$215.00
Senior Engineer/Planner VIII	\$225.00
Associate	\$230.00
Senior Associate	\$240.00
Principal	\$250.00

TERMS

1. **Invoices** - Invoices will be provided on a monthly basis and will be based upon percentage of completion or actual hours, plus expenses. Payment is due to McMahon Associates, Inc. within 30 days of the invoice date. Unpaid balances beyond 30 days are subject to interest at the rate of 1.5% per month. This is an annual percentage rate of 18%.
2. **Confidentiality** - Technical and pricing information in this proposal is the confidential and proprietary property of McMahon Associates, Inc. and is not to be disclosed or made available to third parties without the written consent of McMahon Associates, Inc.
3. **Commitments** - Fee and schedule commitments will be subject to renegotiation for delays caused by the client's failure to provide specified facilities or information, or any other unpredictable occurrences.
4. **Expenses** - Automatic Traffic Recorder equipment usage will be billed at \$25.00 per 24-hour count. Incidental expenses are reimbursable at cost, plus an administration fee of 10%. These include subconsultants, reproduction, postage, graphics, reimbursement of automobile usage at the IRS-approved rate, parking and tolls. Expenses which by company policy are not billed as reimbursable expenses to clients and therefore, will not be billed as part of this contract include the following: air travel, rental car, lodging, meals, and long distance phone charges between McMahon Associates offices. If it becomes necessary during the course of this project to travel elsewhere, those travel costs will be treated as reimbursable expenses. These expenses will be reflected in the monthly invoices.
5. **Attorney's Fees** - In connection with any litigation arising from the terms of this agreement, the prevailing party shall be entitled to all costs including reasonable attorney's fees at both the trial and appellate levels.
6. **Ownership and Use of Documents** - All original drawings and information are to remain the property of McMahon Associates Inc. The client will be provided with copies of final drawings and/or reports for information and reference purposes.
7. **Insurance** - McMahon Associates, Inc. will maintain at its own expense Workman's Compensation Insurance, Comprehensive General Liability Insurance and Professional Liability Insurance and, upon request, will furnish the client a certificate to verify same.
8. **Termination** - This agreement may be terminated by the authorized representative effective immediately on receipt of written notice. Payment will be due for services rendered through the date written notice is received.
9. **Binding Status** - The client and McMahon Associates, Inc. bind themselves, their partners, successors, assigns, heirs, and/or legal representatives to the other party to this Agreement, and to the partners, successors, assigns and legal representatives of such other party with respect to all covenants of this Contract.