



COUNTY OF ERIE

MARK C. POLONCARZ

COUNTY EXECUTIVE

November 13, 2015

Erie County Legislature
92 Franklin Street – 4th Floor
Buffalo, New York 14202

IMMEDIATE CONSIDERATION REQUESTED

Re: County Road Emergency Mapping System

Dear Honorable Members:

Attached please find a memorandum and proposed resolution authorizing the execution of a contract for the development of a new County Road Emergency Mapping System for use by the Department of Public Works during winter storm events. In the future, this system will also be used to record infrastructure location and maintenance information.

Should your Honorable Body require further information, please contact Commissioner John C. Loffredo of the Department of Public Works. Thank you for your consideration with this matter.

Sincerely,

A handwritten signature in black ink that reads "Mark C. Poloncarz".

Mark C. Poloncarz, Esq

Erie County Executive

Dpty County Exec

MCP/jcl/dab

cc: John C. Loffredo, Department of Public Works

MEMORANDUM

To: Erie County Legislature
From: Department of Public Works/Office of the Commissioner
Re: County Road Emergency Mapping System
Date: November 13, 2015

SUMMARY

Authorization is requested for the development of a new County Road Emergency Mapping System for use by the Department of Public Works during winter storm events. In the future, this system will also be used to record infrastructure location and maintenance information.

FISCAL IMPLICATIONS

The proposed cost of this project is not to exceed \$40,000. This amount is available in Business Area 123, Fund 420, SAP Account B.11032 – 2011 - Environmental Compliance SPDES.

REASONS FOR RECOMMENDATION/BACKGROUND INFORMATION

The Department of Public Works (DPW) is implementing a new County Road Emergency Mapping System for use during winter storm events, among other purposes. This mapping system is the second part of what eventually will be a three part system used to track all DPW assets (storm water pipes, highways, culverts, etc.) along with a new work order system and maintenance schedules.

At present, Erie County has a license for the mapping component of the system (Esri ArcGIS software). In order to implement this mapping component, the following must take place:

- Highway infrastructure and event point data must be stored in a central GIS database.
- Web, Desktop and Mobile editing applications must be created.
- An automatic email generation/notification application must be created.
- Training of County personnel on the use of the new system.
- The purchase of electronic devices needed to implement and utilize the mapping system.

A DPW selection committee reviewed the qualifications and experience of consultants on the Legislative preapproved term list and recommends that your Honorable Body authorize the County to enter into an agreement with the firm of Bergmann Associates for the necessary work on this project. It is being requested that the County Executive be authorized to enter into a contract with Bergmann Associates in an amount not to exceed a total of \$29,000 (\$25,750 fee plus \$3,250 contingency). It is also estimated that the electronic devices needed to implement the mapping system will cost an additional amount, not to exceed \$11,000 for a total amount of \$40,000.

During winter storm events it is a life/safety concern to provide the public with the latest information on road closures and conditions. Implementing the proposed mapping system will make it possible to provide this information in a timelier more comprehensive manner.

CONSEQUENCES OF NEGATIVE ACTION

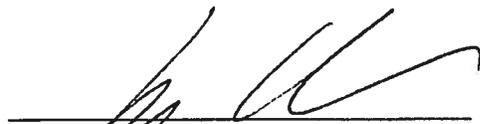
The project will not be able to proceed, thus creating potential future issues with mapping of County assets and work orders.

STEPS FOLLOWING APPROVAL

Upon approval of the resolution, the Department of Public Works will issue a contract to Bergmann Associates to perform the necessary work to implement the proposed mapping system.

COMPTROLLER'S OFFICE REVIEW

The proposed legislation has been reviewed by the Office of the Comptroller and is related to an authorized capital project for which there are sufficient appropriations for the action proposed.



GREGORY GACH
Deputy Comptroller
Comptroller's Office

**A RESOLUTION SUBMITTED BY:
DEPARTMENT OF PUBLIC WORKS**

RE: County Road Emergency Mapping System

WHEREAS, the Department of Public Works is implementing a new County Road Emergency Mapping System for use during winter storm events, among other purposes; and

WHEREAS, this mapping system is the second part of what eventually will be a three part system used to track all DPW assets (storm water pipes, highways, culverts, etc.) along with a new work order system and maintenance schedules; and

WHEREAS, at present, Erie County has a license for the Mapping component of the system (Esri ArcGIS software); and

WHEREAS, in order to develop and implement this mapping component the services of a qualified consultant is needed; and

WHEREAS, a DPW selection committee has reviewed the qualification and experience of the consultants on the legislative pre-approved list of consultants and determined that Bergmann Associates has the necessary qualifications and experience for this project; and

WHEREAS, electronic devices must be purchased in order to implement and utilize the mapping system.

NOW, THEREFORE, BE IT

RESOLVED, that the County Executive is authorized to enter into a contract with Bergmann Associates in an amount not to exceed a total of \$29,000 (\$25,750 fee plus \$3,250 contingency) for services to develop and implement an Esri ArcGIS software mapping system to be used during winter storm events; and be it further

RESOLVED, that electronic devices needed to implement and utilize the mapping system shall also be purchased through the New York State Office of General Services (OGS) or the lowest responsible bidder, in an amount not to exceed \$11,000; and be it further

RESOLVED, that funds for this contract and device purchases in an amount not to exceed \$40,000 shall come from Business Area 123, Fund 420, SAP Account B.11032 – 2011 - Environmental Compliance SPDES; and be it further

RESOLVED, that five (5) certified copies of this resolution be sent to the Department of Public Works, Office of the Commissioner, and one copy each to the Office of the County Executive, the Division of Budget and Management, Department of Environment and Planning and the Office of the Comptroller.

TO: GREGORY GACH, COMPTROLLER'S OFFICE

PROPOSED RESOLUTIONS REQUIRING RULE 55

CONTRACT APPROVAL CHECKLIST
CONFIRMATION OF AVAILABILITY OF FUNDS IN CAPITAL PROJECTS

<u>REQUESTING DEPARTMENT</u>	<u>COMPLETE ITEMS 1 THROUGH 5</u>
1. CONTRACTOR'S NAME	Bergman Associates \$25,750.00 NYS OGS Equipment \$11,000.00 Construction Contingency \$ 3,250.00
2. AMOUNT OF CONTRACT	Not to exceed \$40,000.00
3. PROJECT NUMBER	B.11032 – 2011 - Environmental Compliance SPDES
4. PROJECT TITLE	County Road Emergency Mapping System
5. DEPARTMENT CONTACT	Funding questions: John Loffredo, P.E. (7555) Letter pickup: Diane Bukowski at 8301
<u>COMPTROLLER'S OFFICE</u>	<u>COMPLETE ITEMS 6 AND 7</u>
6. AVAILABILITY OF FUNDS	\$ 300,000.00
7. PERFORMED BY	<i>Diane Bukowski</i>
Date Sent to Comptroller's Office:	November 13, 2015

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