

State of Maine Procurement Justification Form

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services website (Forms page) for additional instructions.

PART I: OVERVIEW

Department Office/Division/Program:		Bureau of Planning, Transportation Systems Analysis Div.		
Department Contract Administrator or Grant Coordinator:		Edward W. Hanscom		
(If applicable) Department Reference #:				
Amount: (Contract/Amendment/Grant)	\$ 20,784.64	Advantage CT / RQS #:	17A 20200306000000000997	
CONTRACT	Proposed Start Date:	12/24/2019	Proposed End Date:	12/24/2021
AMENDMENT	Original Start Date:	---	Effective Date:	---
	Previous End Date:	---	New End Date:	---
GRANT	Project Start Date:	---	Grant Start Date:	---
	Project End Date:	---	Grant End Date:	---
Vendor/Provider/Grantee Name, City, State:		Trafficware, A Cubic Company 522 Gillingham Lane, Sugar Land, TX 77478		
Brief Description of Goods/Services/Grant:		8 Licenses for Synchro/Sim Traffic (version 11) traffic optimization and simulation software and two years of software support/maintenance		

PART II: JUSTIFICATION FOR VENDOR SELECTION

Mark an "X" before the justification(s) that applies to this request. (Check all that apply.)

	A. Competitive Process		G. Grant
	B. Amendment		H. State Statute/Agency Directed
X	C. Single Source/Unique Vendor		I. Federal Agency Directed
	D. Proprietary/Copyright/Patents		J. Willing and Qualified
	E. Emergency		K. Client Choice
	F. University Cooperative Project		L. Other Authorization

PART III: SUPPLEMENTAL INFORMATION

Please respond to ALL of the following:

- 1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.**

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PART III: SUPPLEMENTAL INFORMATION

MaineDOT uses Synchro/SimTraffic software to analyze traffic capacity at highway intersections and corridors. This software is critical to MaineDOT for development of improved intersection designs and efficient street and highway networks, and for the maintenance of traffic flow through highway work zones. Synchro/SimTraffic, which has been updated through the years, is the industry standard for intersection capacity analysis throughout the United States.

Currently, MaineDOT uses version 9 of Synchro/SimTraffic, but Trafficware, the company that produces and sells the software, no longer supports version 9. Version 11, the current version is available and will continue to be supported by Trafficware for years to come.

To continue using the industry standard for intersection capacity analysis, MaineDOT must update its software to version 11 of Synchro/SimTraffic. As Trafficware is the only vendor of Synchro/SimTraffic, MaineDOT will need to purchase version 11 from them.

Version 11 has features that version 9 lacks: (1) full adoption of the methodologies in the 6th Edition of the Highway Capacity Manual, (2) modernized intuitive tool bars, (3) a more efficient scenario manager for analyses with multiple alternatives, and (4) use of Bing Maps as the default Synchro background. These added features in version 11 will improve the quality of analyses and the productivity of the analyst.

2. Provide a brief justification for the selected vendor to supplement the response in Part II.

Synchro/SimTraffic by Trafficware is a unique product, being a very capable traffic capacity analysis software with a relatively short learning curve for transportation engineers. It can be used to analyze capacity, delay, and congestion, compare baseline and growth conditions, redesign intersections, evaluate various forms of traffic control, such as stop signs, yield signs, and traffic signals, optimize traffic signal phasing and timing, and simulate traffic flow for analysis and presentation purposes. For these reasons, Synchro/SimTraffic emerged as the industry standard for software to do this type of work over the last 20 years. MaineDOT, like other agencies throughout the United States, depends on the unique capabilities of Synchro/SimTraffic to help deliver the services that its transportation system requires.

3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

Normally, the purchase of 8 licenses of Synchro/SimTraffic version 11 by an organization that does not have currently-supported Synchro/SimTraffic would cost \$25,980.80, according to Trafficware's price list. However, MaineDOT was able to negotiate a discount equal to the Estimated Contract Amount.

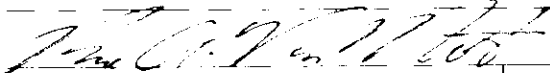
4. Describe the plan for future competition for the goods or services.

Future competition in the field of traffic capacity analysis will depend on the ability of other software companies to compete with Trafficware on the national level. MaineDOT is dependent on national industry standards.

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PART III: SUPPLEMENTAL INFORMATION

PART IV: APPROVALS

Signature of requesting Department's Commissioner (or designee):	<i>By signing below, I signify that I approve of this procurement request.</i>		
			
Printed Name:	<i>Bruce A. Van Nick</i>	Date:	<i>3-2-2020</i>
Signature of DAFS Procurement Official:	<small>DocuSigned by:</small> <i>Justin Franzose</i>		
	<small>AEED9C7B3A8044E...</small>		
Printed Name:	<small>Justin Franzose</small>	Date:	<small>3/11/2020</small>