



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

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WILLIAM CASS, P.E.
ASSISTANT COMMISSIONER

Bureau of Construction
May 28, 2015

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Transportation to enter into a contract with Worksafe Traffic Control Industries, Inc. (Vendor 160535) of Barre, VT on the basis of a single bid of \$1,620,210.75 for smart work zone/intelligent transportation system package for the Interstate 93 expansion projects from Salem to Manchester, from the date of Governor and Council approval through June 30, 2018 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available as follows and is contingent upon the availability and continued appropriation of FY 2016, FY 2017 and FY 2018 funds.

Funding is available as follows:	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$1,100,000	\$350,000	\$170,210.75

EXPLANATION

The goal of the Smart Work Zone/Intelligent Transportation System is to monitor this project's work zone and disseminate real-time information to the Traffic Management Center (TMC) and the traveling public. It is anticipated that traffic conditions may be affected due to the queuing caused by high traffic volumes, work zone vehicle interference, weather, grade changes, etc. and this system will help in disseminating that information to the TMC and the travelling public. This project will require the vendor to supply the necessary equipment to monitor traffic due to these conditions.

Although there was only one bid submitted for this project, it is the opinion of the Department that the bid is reasonable for the work involved. Readvertising this project would result, in our opinion, in higher prices and prevent the completion of the work this year. The Department considers it to be in the best interest of the State of New Hampshire to accept this bid.

This contract has the concurrence of the Federal Highway Administration.

The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and that the bid reasonably conforms to the engineer's estimate in accordance with State procedure. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

This project funding is 80% federal funds with 20% state match. Turnpike toll credit is being utilized for match requirements, effectively using 100% federal funds.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,



William J. Cass, P.E.
Assistant Commissioner

WJC/md

Department Estimate: \$1,795,130.75
Contract Amount: \$1,620,210.75
Under Estimate: \$ 174,920.00

Attachments

April 8, 2015

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of furnishing, installing, relocating, operating and maintaining an automated, portable, real-time, Smart Work Zone / Intelligent Transportation System (SWZ/ITS) package for the Interstate 93 expansion construction projects. This Smart Work Zone package shall be installed along both sides of Interstate 93 from approximately 1 mile south of the NH / MA State Line to approximately ½ mile north of the junction of Interstate 293 and 1 mile north of the junction of Interstate 93 on Interstate 293.

In addition, this contract will include replacement of select I-93 Incident Management Emergency Route signs as specified, along seven routes between Exits 1 through 5 in the Towns of Salem, Windham, Derry, Londonderry, and Manchester, as part of maintaining the overall Corridor Incident Management Plan elements. The contract also includes double-siding the existing I-93 emergency reference markers (ERM's), from MM 0.0 to 18.8. It also includes Weigh-in-Motion (WIM) system equipment updates for the NB and SB Weigh Stations in Windham.

FEDERAL FUNDING: 80% Federal Funding with the State's 20% match being Turnpike Toll Credits

CONTINGENCY: None

PROJECT INITIATED: State of NH 10 Year Transportation Improvement Plan

PROJECT EXPLANATION: The goal of the SWZ/ITS system is to monitor this project's work zone and disseminate real-time information to the Traffic Management Center (TMC) and the traveling public. It is anticipated that traffic conditions will be affected due to queuing caused by high traffic volumes, work zone vehicle interference, weather, grade changes, etc. This project will require the vendor to supply the necessary equipment to monitor traffic due to these conditions.

The Incident Management Routes were developed through the Incident Management Workgroup prior to the beginning of the I-93 mainline improvements, and require signage upgrades, as the corridor improvements are intended to extend to 2020. The ERM enhancements are intended to promote more efficient and timely incident response, as requested through the Technical Steering Committee. The Weigh Station software upgrades (WIM system) are necessary to enhance the operation and efficiency of the facilities.

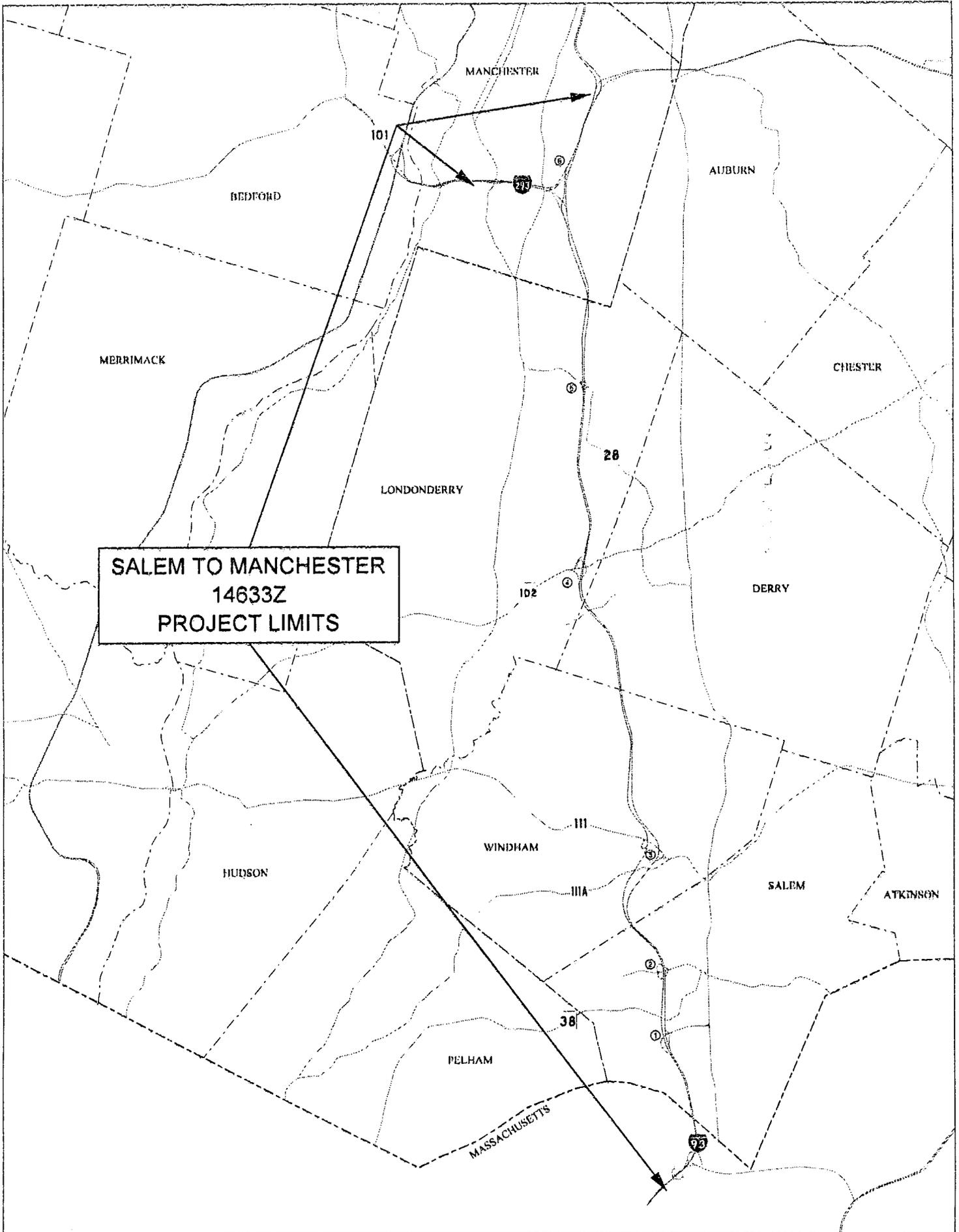
TRAFFIC IMPLICATIONS: The Smart Work Zone system shall be installed on the Interstate 93 construction corridor for all approaches to the work zone on designated sections of the project. The system shall be maintained and operated for the duration of the project.

Work on I-93 shoulders may require temporary single lane closures of the adjacent travel lane, with the use of Uniformed Officers with Vehicles. In any event, the lane closures shall be discontinued whenever the Contract Administrator determines that backups may contribute to either unsafe conditions or result in delays for the traveling public. Lane closures will only be permitted at night, and shoulder closures will only be allowed during non-peak traffic hours, unless otherwise approved by the Contract Administrator:

The installation of the Emergency Route Signs and Emergency reference Markers shall utilize mobile operations (per the MUTCD) and include the use of Uniformed Officers with Vehicle and a Truck Mounted Impact Attenuator, Test Level 3 and Truck Mounted Arrow Panel.

ADVERTISING DATE: April 14, 2015

COMPLETION DATE: June 30, 2018



SALEM TO MANCHESTER
14633Z
PROJECT LIMITS

**State of New Hampshire
Department of Transportation**

Project: SALEM TO MANCHESTER
A004(126) 14633Z

County and Code: HILLSBOROUGH COUNTY 011 AND ROCKINGHAM 015

Date Bids Open: May 7, 2015

Scope of Work: SMART WORK ZONE INSTALLATION

Location: SALEM TO MANCHESTER

Completion Date: June 30, 2018

A WORKSAFE TRAFFIC CONTROL INDUSTRIE
115 INDUSTRIAL LANE-BERLIN, BARRE, VT 05641

\$1,620,210.75

Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total
203.55261	INSTALLATION AND REMOVAL OF SWZ - PORTABLE QUEUE TRAILER PLATFORM	U	6.00	\$3,500.00	\$21,000.00		
203.55262	INSTALLATION AND REMOVAL OF SWZ - PORT. CHANGABL MESSAGE SIGN PLATFORM	U	2.00	\$3,500.00	\$7,000.00		
203.55264	INSTALLATION AND REMOVAL OF SWZ - MOBILE VIDEO TRAILER PLATFORM	U	1.00	\$3,500.00	\$3,500.00		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20.00	\$75.00	\$1,500.00		
615.02	TRAFFIC SIGN TYPE B (F)	SF	444.00	\$43.00	\$19,092.00		
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	24.00	\$150.00	\$3,600.00		
615.05	TRAFFIC SIGN TYPE BB (F)	SF	1,520.00	\$18.50	\$28,120.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	16,500.00	\$1.00	\$16,500.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,995.00	\$20,995.00		
619.502	WORK ZONE OPERATION COST (WINTER)	MON	12.00	\$3,995.00	\$47,940.00		
619.503	WORK ZONE OPERATION COST (SUMMER)	MON	30.00	\$2,395.00	\$71,850.00		
619.51	PORTABLE QUEUE TRAILER / SENSOR (PQT)	MON	1,164.00	\$625.00	\$727,500.00		
619.52	PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)	MON	443.00	\$825.00	\$365,475.00		
619.549	MOBILE VIDEO TRAILER WITH PAN-TILT-ZOOM (PTZ) (SALVAGE TO DEPARTMENT)	U	2.00	\$27,995.00	\$55,990.00		
619.631	TRUCK MOUNTED IMPACT ATTENUATOR, TEST LEVEL	UNWK	32.00	\$885.00	\$28,320.00		

Item No:	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
619.91	RELOCATE SMART WORK ZONE DEVICE	U	27.00	\$525.00	\$14,175.00				
645.531	SILT FENCE	LF	4,250.00	\$5.00	\$21,250.00				
677.4421	WEIGH-IN-MOTION (WIM) SYSTEM, NORTHBOUND	U	1.00	\$54,100.00	\$54,100.00				
677.4422	WEIGH-IN-MOTION (WIM) SYSTEM, SOUTHBOUND	U	1.00	\$54,100.00	\$54,100.00				
692	MOBILIZATION	U	1.00	\$24,500.00	\$24,500.00				
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00				
1008.8501	WORK ZONE SYSTEM SOFTWARE INTEGRATION	\$	23,703.75	\$1.00	\$23,703.75				
					\$1,620,210.75				

A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
203.55261	INSTALLATION AND REMOVAL OF SWZ - PORTABLE QUEUE TRAILER PLATFORM	U	6.00	\$3,500.00	\$21,000.00	\$3,000.00	\$18,000.00	\$3,000.00
203.55262	INSTALLATION AND REMOVAL OF SWZ - PORT. CHANGABL MESSAGE SIGN PLATFORM	U	2.00	\$3,500.00	\$7,000.00	\$4,500.00	\$9,000.00	(\$2,000.00)
203.55264	INSTALLATION AND REMOVAL OF SWZ - MOBILE VIDEO TRAILER PLATFORM	U	1.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00	\$500.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20.00	\$75.00	\$1,500.00	\$50.00	\$1,000.00	\$500.00
615.02	TRAFFIC SIGN TYPE B (F)	SF	444.00	\$43.00	\$19,092.00	\$48.00	\$21,312.00	(\$2,220.00)
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	24.00	\$150.00	\$3,600.00	\$200.00	\$4,800.00	(\$1,200.00)
615.05	TRAFFIC SIGN TYPE BB (F)	SF	1,520.00	\$18.50	\$28,120.00	\$12.00	\$18,240.00	\$9,880.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	16,500.00	\$1.00	\$16,500.00	\$1.00	\$16,500.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,995.00	\$20,995.00	\$20,000.00	\$20,000.00	\$995.00
619.502	WORK ZONE OPERATION COST (WINTER)	MON	12.00	\$3,995.00	\$47,940.00	\$8,000.00	\$96,000.00	(\$48,060.00)
619.503	WORK ZONE OPERATION COST (SUMMER)	MON	30.00	\$2,395.00	\$71,850.00	\$5,500.00	\$165,000.00	(\$93,150.00)
619.51	PORTABLE QUEUE TRAILER / SENSOR (PQT)	MON	1,164.00	\$625.00	\$727,500.00	\$600.00	\$698,400.00	\$29,100.00
619.52	PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)	MON	443.00	\$825.00	\$365,475.00	\$875.00	\$387,625.00	(\$22,150.00)
619.549	MOBILE VIDEO TRAILER WITH PAN-TILT-ZOOM (PTZ) (SALVAGE TO DEPARTMENT)	U	2.00	\$27,995.00	\$55,990.00	\$30,800.00	\$61,600.00	(\$5,610.00)
619.631	TRUCK MOUNTED IMPACT ATTENUATOR, TEST LEVEL	UWK	32.00	\$885.00	\$28,320.00	\$1,500.00	\$48,000.00	(\$19,680.00)

A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
619.91	RELOCATE SMART WORK ZONE DEVICE	U	27.00	\$525.00	\$14,175.00	\$500.00	\$13,500.00	\$675.00
645.531	SILT FENCE	LF	4,250.00	\$5.00	\$21,250.00	\$5.00	\$21,250.00	\$0.00
677.4421	WEIGH-IN-MOTION (WIM) SYSTEM, NORTHBOUND	U	1.00	\$54,100.00	\$54,100.00	\$54,100.00	\$54,100.00	\$0.00
677.4422	WEIGH-IN-MOTION (WIM) SYSTEM, SOUTHBOUND	U	1.00	\$54,100.00	\$54,100.00	\$54,100.00	\$54,100.00	\$0.00
692	MOBILIZATION	U	1.00	\$24,500.00	\$24,500.00	\$50,000.00	\$50,000.00	(\$25,500.00)
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1008.8501	WORK ZONE SYSTEM SOFTWARE INTEGRATION	\$	23,703.75	\$1.00	\$23,703.75	\$1.00	\$23,703.75	\$0.00
					\$1,620,210.75		\$1,795,130.75	(\$174,920.00)



CERTIFICATE OF LIABILITY INSURANCE

WORKSAF-01

LKM

DATE (MM/DD/YYYY)

5/15/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Denis, Rickor & Brown - MTP 2 Pioneer Street PO Box 565 Montpelier, VT 05601-0565	(802) 229-0563	CONTACT NAME: Linda Mercy PHONE (A/C, No, Ext): (802) 229-0563 FAX (A/C, No): (802) 229-6770 E-MAIL ADDRESS: lmercy@drbinsurance.com												
		<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Acadia Insurance Co</td> <td></td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Acadia Insurance Co		INSURER B:		INSURER C:		INSURER D:		INSURER E:	
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INSURER E:														
INSURER F:														
INSURED Work Safe Traffic Control Industries Inc. 115 Industrial Lane-Berlin Barre, VT 05641-														

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC	X	CPA024375018	3/8/2015	3/8/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	X	CAA024375117	3/8/2015	3/8/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ NONE		CUA024375217	3/8/2015	3/8/2016	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> Y	N/A	WCA027228816	11/26/2014	11/26/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Debra Ricker & Lorena Laprade are excluded on the Workers Comp.

Project: Salem-Manchester A004(126), 14633Z. Certificate holder is additional insured for ongoing operations per written contract for general liability per form CLCG0492(2/12) and auto liability per attached AICA59 (1/12) in respect to operations of the Named Insured.

CERTIFICATE HOLDER**CANCELLATION**

State of New Hampshire
 NH Dept of Transportation
 7 Hazen Drive PO Box 483
 Concord, NH 03302-0483

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Linda K. Mercy

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