

**COMPLETION OF CONTRACT 14633F** will finalize the reconstruction of **Exit 5**, tying into the completed ramps project and the new PNR. **Severino Trucking Co, Inc. of Candia, NH** won the contract with a low bid of **\$36.7M**. **\$35.5** is dedicated to contract 14633F, and **\$1.2 M** to 10418F (South Road Mitigation). The total project cost is **\$38.5M**. The project involves:

- Replacement of four red-listed bridges over Route 28 and the Recreation Trail (two each)
- Reconstruction and widening of approximately two miles of I-93 NB & SB
- Reconstruction and widening of approximately 0.9 miles of Route 28
- Construction of a new NB off-ramp and connections to the NB on-ramp and SB on and off-ramps recently constructed under the previous Exit 5 ramps project
- Reconstruction of segments of Perkins and Auburn Roads, and Liberty and Independence Drives
- Construction will be facilitated through the use of temporary median crossovers, temporary widening and temporary ramps for traffic control.
- NB traffic has been moved onto the SB lanes so the NB lanes can be constructed outside of I-93 traffic

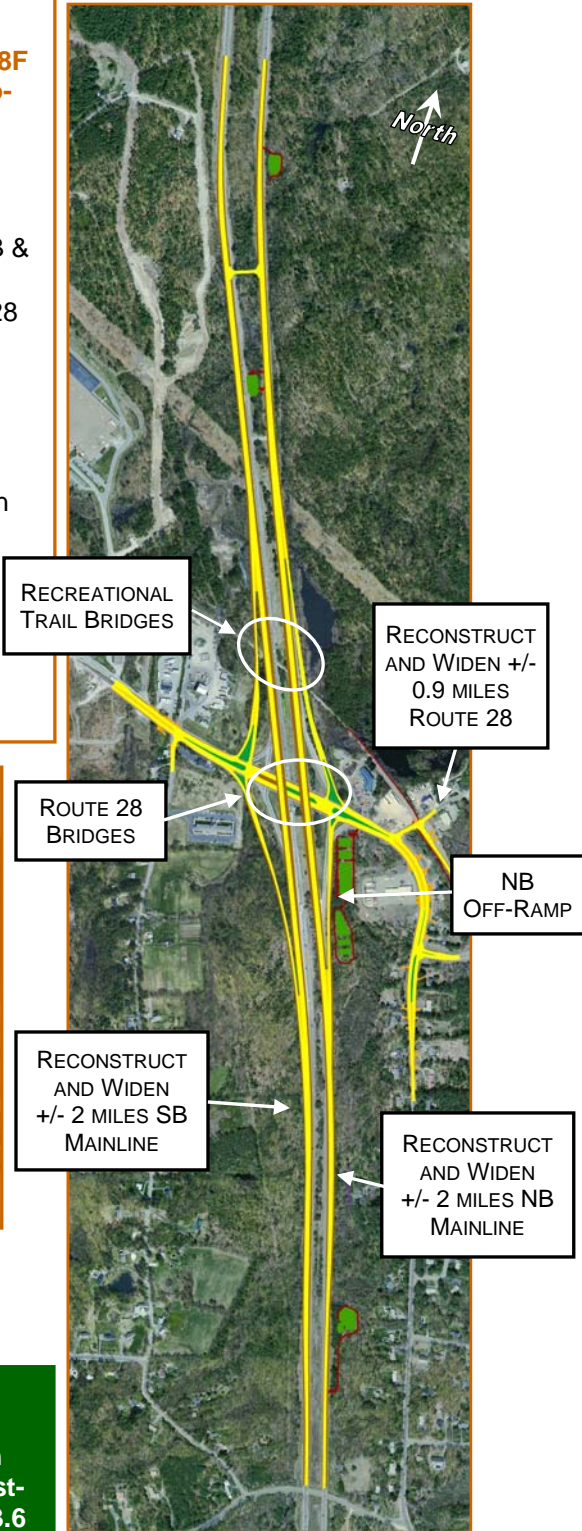
**Work began in March 2011 and is currently about 70% complete. Summer 2014 is the targeted completion date.**



*I-93 NB On-ramp Entrance, 08-13*

**Contract 10418F:** This project consists of constructing wetland mitigation on two sites that will be accessed from Gilcreast and South Roads, southwest of the I-93 Exit 4 interchange in the town of Londonderry. The sites provide 75.2 acres of mitigation consisting of 11.6 acres of created wetlands/habitat enhancement and 63.6 acres of upland preservation land. This project includes work to replace a culvert that carries South Road over a tributary to Beaver Brook. A new culvert box will improve wildlife connectivity between the two mitigation areas and improve flood conveyance. Also included in this project is the reconstruction of a segment of South Road in the vicinity of the culvert work.

[RebuildingI93.com](http://RebuildingI93.com)



**CONTRACT 14633F, EXIT 5 AREA**



# CORRIDOR NEWS

I-93 Construction News and Highlights

Summer/Fall 2013~ Issue No. 13

**~ I-93 Improvements ~ *Moving Ahead* ~**

## LAST EXIT 3 CONSTRUCTION PROJECT TO START SOON

### CONTRACT 13933H - NB MAINLINE NH 111A AND NB ON/OFF RAMP

This contract will reconstruct and widen 2.17 miles of NB I-93 mainline in Windham, mostly north of Exit 3, and reconstruct portions of NH Routes 111 and 111A and NB on/off ramps. **The project is anticipated to go to bid September 3, 2013**, and take three years to complete at an estimated total cost of \$39.9M. This is the fifth of five projects required to complete highway improvements in the Exit 3 area and will tie together all of the previous projects in this area. All Exit 3 highway work is scheduled for completion during the 2016 construction season.

Further, with the completion of the 13933H Project, all work south of Exit 3 will be complete to operate three lanes on northbound and southbound. See page 6 for a map of 13933H construction.

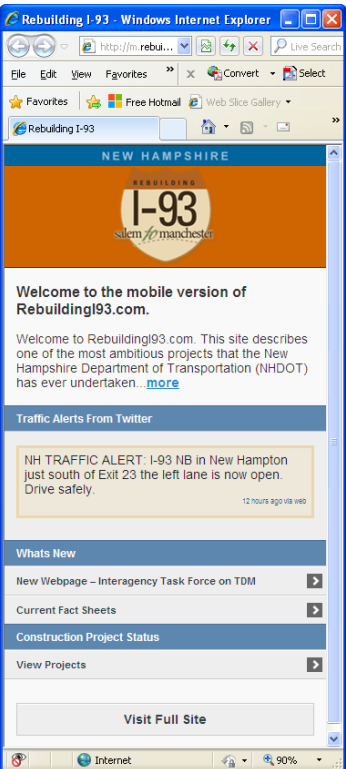
#### Content:

Exit 3 Interchange	1
Project Mobile Website	1
Exit 2 Interchange	2
Exit 1 Mainline	3
Environmental Award	4
13933H Advertisement	4
Project Graphic	4 - 5
Project Summary	5
Exit 3 Area Projects	6 - 7
Exit 5 Area Project	8

### New Hampshire Department of Transportation

John O. Morton Building  
7 Hazen Drive  
Concord, NH 03302-0483

For more information, phone (603) 271-2171 or email [Contact@RebuildingI93.com](mailto:Contact@RebuildingI93.com)



### I-93 PROJECT MOBILE WEBSITE

The I-93 Project Website, [rebuildingi93.com](http://rebuildingi93.com), has gone mobile! Easily access information on traffic impacts through construction updates and Twitter feeds. Also see "What's New" and access basic project status information. From the mobile website, a link will take the user to the full website for a wealth of information regarding the reconstruction of I-93.



Scan the QR Code to the left or type the following link into your browser:

<http://m.rebuildingi93.com>

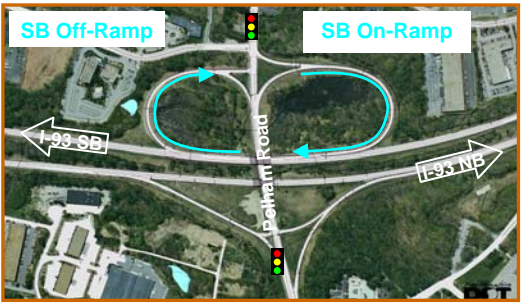




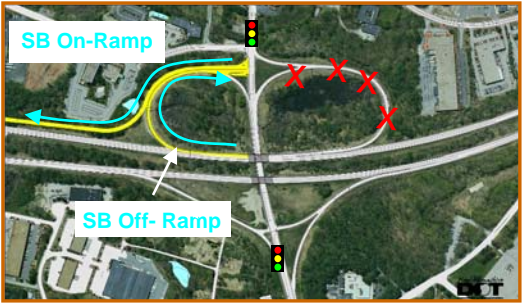
EXIT 2, INTERCHANGE RECONSTRUCTION

**PROJECT OVERVIEW:** **Contract 13933E** will finalize the reconstruction of Exit 2. When complete, three travel lanes in each direction will be operational from the State Line to the Windham/Salem Town Line near Brookdale Road overpass. **The contract was awarded to George Cairns & Sons with a bid of \$40.9M in July 2012 and is currently 17% complete.** This project will:

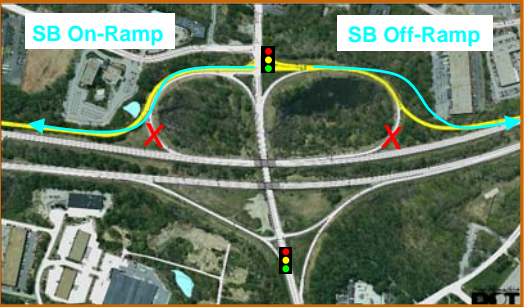
- Replace two red-listed bridges over Pelham Road.
- Reconstruct/widen approximately 1.3 miles of I-93 NB and 1.8 miles of SB Mainline.
- Reconstruct/widen Pelham Road between Stiles/Manor Parkway to Policy Street and rebuild I-93 bridges over Pelham Road to accommodate an eight-lane typical section through the interchange.
- All (five) traffic signals along Pelham Road will be coordinated to improve traffic flow.
- Construct a 1,950 linear foot sound wall along the NB mainline near South Shore Road.
- Construct Haigh Avenue mitigation site, creating 7.6 acres and nine acre-feet of floodplain mitigation.
- Move the NB lane drop more than two miles north, beyond the influence of the Exit 2 on-ramp.



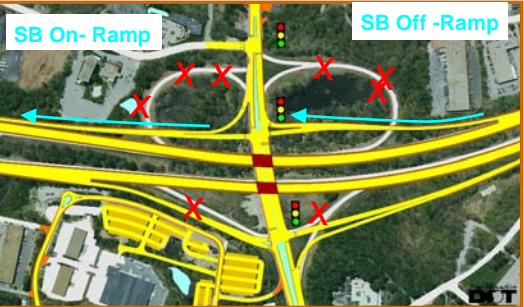
Condition Prior to Construction



Interim Condition # 1 ~ Existing SB On-Ramp to be Closed\* (Anticipated September to October)



Interim Condition #2 \* (Anticipated in October)



Final Ramp Configuration ~ Existing SB Ramps to be Removed\*



\*Phasing to be Determined by Construction Start Date

**PROJECT OVERVIEW:** **Contract 13933N, which is substantially complete,** has involved reconstruction of the I-93 SB mainline bridges over NH Route 111 and NH Route 111A at Exit 3 in Windham. The contract was awarded to E. D. Swett, Inc. of Concord, NH on January 11, 2012 for a bid price of \$11.5M. Because SB traffic was on the new future NB mainline, it was possible to accomplish work out of traffic, minimizing impacts to the traveling public. The new SB bridges have been constructed adjacent and look similar to the recently completed NB bridges over NH 111 and NH 111A. The two previously existing SB bridges were determined to be structurally deficient and were designated as "Red List" bridges. These bridges were demolished to make room for the new bridges. This is the third of five projects required to complete highway improvements in the Exit 3 area. **The project is on track to be completed September 13, 2013.** The total construction cost of the project is estimated to be \$12.1M.



Route 111A Deck with Rail and Primer 08-13



Route 111 Deck and Bridge Rail 08-13





**CONTRACT 13933I - EXIT 3 SB MAINLINE, SB ON-RAMP AND NH ROUTE 111**

This contract will reconstruct and widen 2.9 miles of southbound I-93 mainline in Windham in the Exit 3 area, relocate 1.25 miles of NH Route 111 and construct a new SB on-ramp. This is the fourth of five projects required to complete highway improvements in the Exit 3 area.

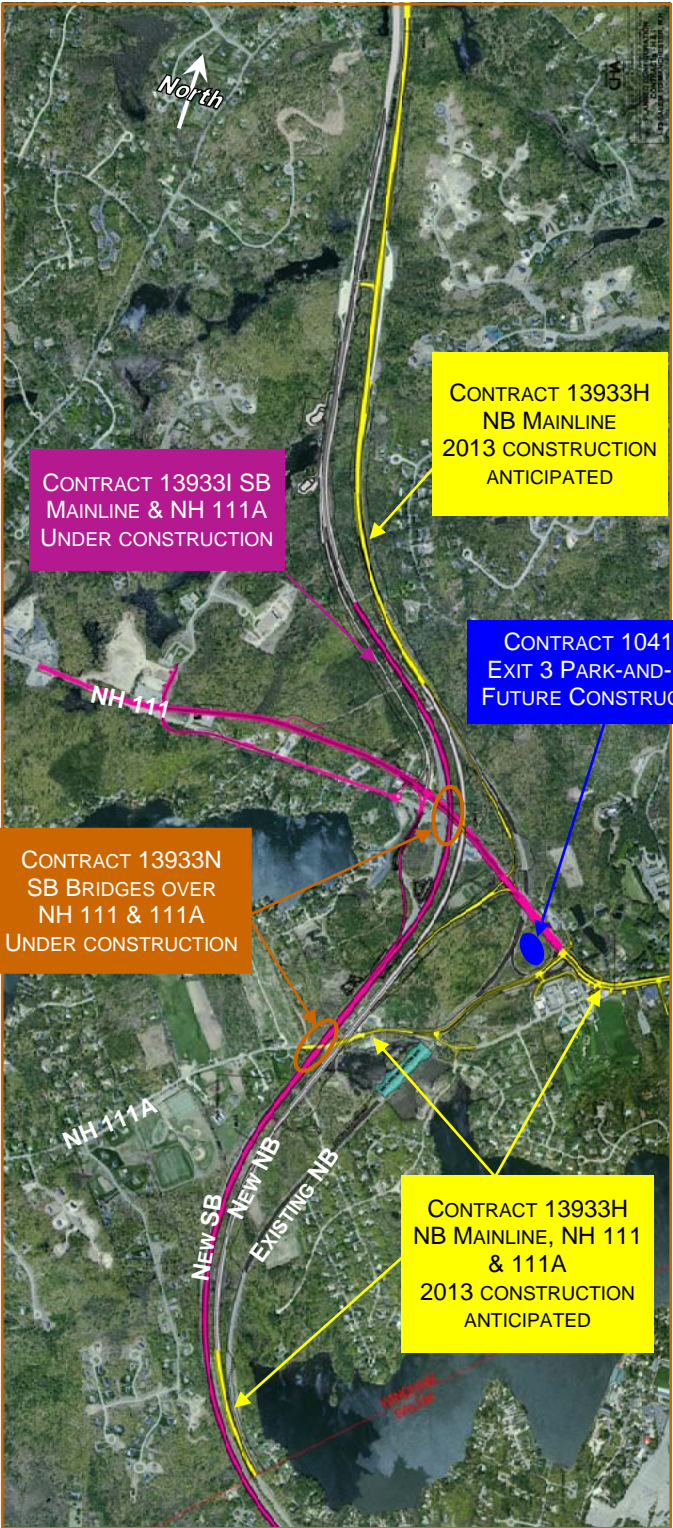
**This contract was awarded to R. S. Audley, Inc. of Bow NH with a low bid of \$33M.** Clearing operations started the end of 2012 with heavy construction commencing with the beginning of the 2013 construction season. The project is currently 20% complete. The project is expected to be complete summer of 2016 at an estimated total cost of \$35.1M.



SOUTHERN FILL ON FUTURE I-93 SB, 08-13



COMPLETED DETENTION BASIN, 08-13



EXIT 3 AREA CONSTRUCTION



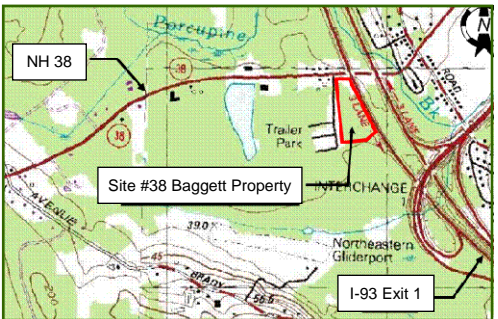
**Contract 13933D, which is substantially complete,** has involved the reconstruction and widening of NB and SB I-93 mainline in Salem in the vicinity of Exit 1 to just south of Exit 2, replacement of the NB and SB I-93 bridges over Lowell Road, and reconstruction of the Exit 1 NB and SB Ramps. This project tied into the previously completed 13933C project which improved the Exit 1 Ramps and Bridges.

Also included was approximately 1,600 linear feet of sound wall along the SB mainline in the vicinity of Lowell Road, and construction of the Baggett Wetlands Mitigation Site. This project extended the three-lane section north beyond the influence of the Exit 1 northbound on-ramp.

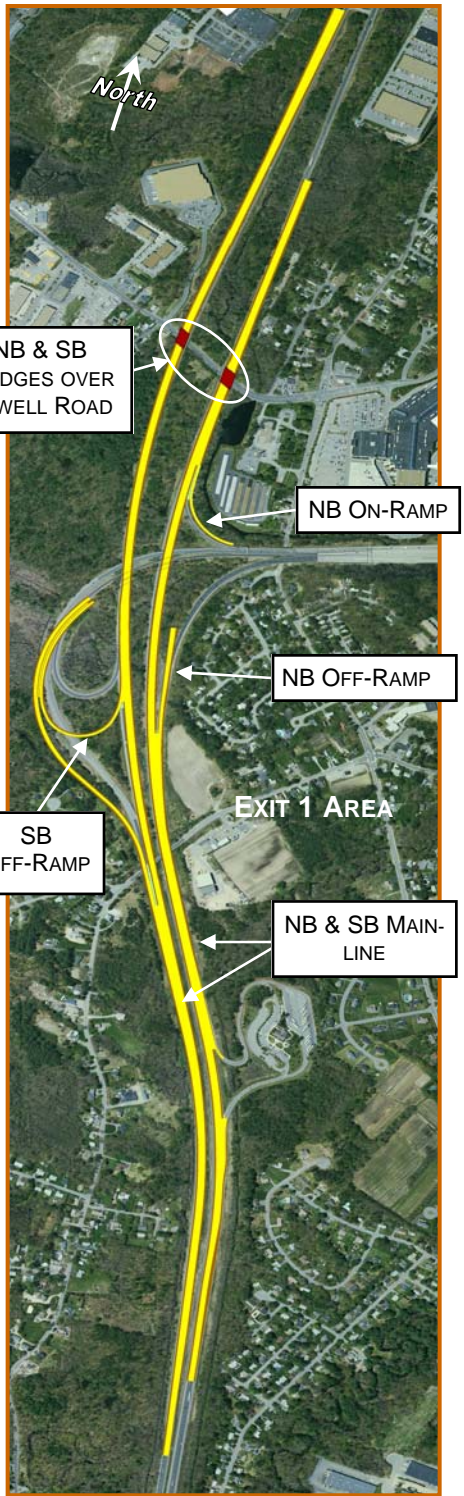
**The project was awarded in November 2010 to Middlesex Corporation of Littleton, MA with a low bid of \$30.6M.** Work began in the spring of 2011 and is currently 96% complete with a final completion date expected late summer 2013.



Southbound On-Ramp with Southbound Mainline Merge August 2013



**WETLAND MITIGATION:** Contract 13933D included the creation of the Baggett Wetland Mitigation Site located off NH 38 (Lowell Road) in Salem. The six-acre site will provide critical flood storage and preserve wildlife habitat.

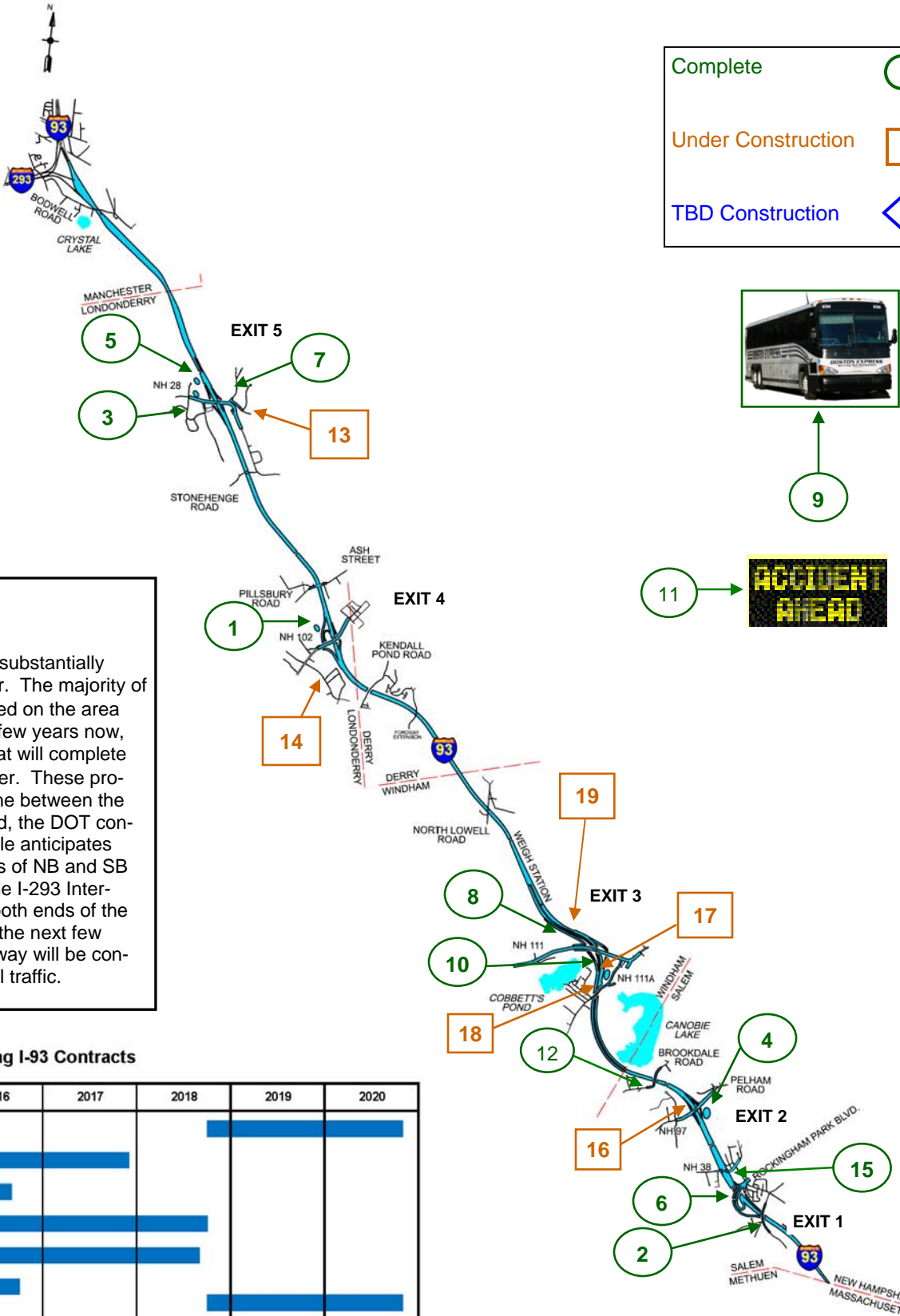


CONTRACT 13933D ~ EXIT 1 AREA





Windham based general contractor **George R. Cairns & Sons Inc.** received the **2013 Best Environmental Highway Project Award** from the **Associated General Contractors (AGC) of New Hampshire** for their work on I-93. The **13933G** project involved relocating the Northbound mainline away from Canobie Lake and a section of widening on the Southbound section, all in the greater Exit 3 area in Windham. The project's close proximity to Canobie Lake Reservoir and Cobbett's Pond required the contractor and team to extensively monitor surface water runoff from the project to avoid contamination of these water bodies. The use of innovative techniques helped keep clean water clean, and avoid contamination.



Northern Section of I-93 - Unfunded

The advertisement of the 13933H contract in September 2013 will substantially complete the southern portion of the Salem to Manchester Corridor. The majority of the construction effort to date for the I-93 Corridor has been focused on the area from Exit 3 South. While Exit 5 has been under construction for a few years now, there are a number of remaining capacity improvement projects that will complete the work from north of Exit 3 to the I-293 Interchange in Manchester. These projects constitute approximately \$250M worth of work that will be done between the fall of 2014 and 2020. While these projects are currently unfunded, the DOT continues to work to secure financing. The target construction schedule anticipates that in mid- to late-2014, construction work will start on the sections of NB and SB between Exits 3 and 4 (Project 14633B) and between Exit 5 and the I-293 Interchange (Project 13633H). That is, work will begin progressing at both ends of the uncompleted corridor and work its way toward the middle. During the next few mainline projects, the Exit 4/Route 102 Bridge going over the highway will be constructed off-line so as to have minimal impact on highway and local traffic.

Targeted Schedule of Remaining I-93 Contracts

Contract #	Contract Description	2014	2015	2016	2017	2018	2019	2020
13933A	NB & SB Mainline south of Exit 1							
14633B	NB & SB Mainline between Exit 3 & 4							
14633C	NH 102 Bridge at Exit 4							
14633D	NB & SB Mainline & Ramps at Exit 4							
14633I	NB & SB Mainline between Exit 4 & 5							
14633H	NB & SB Mainline North of Exit 5							
14633J	Future Corridor Paving							

I-93 PROJECT SUMMARY OF PROJECTS TO DATE					
	Status	Project Description	Contract Number	Constructed To/From	Cost (M)
1	Complete	Exit 4 Bus Terminal/PNR	10418M	01/06 - 05/07	\$1.4
2	Complete	Cross Street Bridge	13933B	11/06 - 10/08	\$6.9
3	Complete	Exit 5 PNR/Rockingham Road	10418I	12/06 - 10/08	\$7.8
4	Complete	Exit 2 Bus Terminal/PNR	10418G	03/07 - 10/08	\$7.1
5	Complete	Exit 5 Bus Terminal/Maintenance Facility	10418N	08/07 - 10/08	\$7.2
6	Complete	Exit 1 Ramps & Bridges	13933C	09/07 - 10/09	\$24.7
7	Complete	Exit 5 Ramps & Bridges	14633E	07/08 - 05/10	\$15.8
8	Complete	Exit 3 SB Off-Ramp & NB Bridges	13933K	09/08 - 11/10	\$27.6
9	Complete	Bus Procurement - Operation Costs for Expanded Service	10418L	Service Began 11/08	\$12.5
10	Complete	Exit 3 NB Mainline	13933G	05/09 - 04/12	\$30.7
11	Complete	Phase I Intelligent Transportation Systems (ITS)	10418Z	11/09 - 11/11	\$4.4
12	Complete	Brookdale Road Bridge	13933F	06/10 - 07/12	\$5.1
15	Complete	Exit 1 Area, NB & SB Mainline	13933D	03/11 - 09/13	\$32.7
13	In Progress	Exit 5/Route 28 Interchange	14633F	03/11 - 07/14	\$37.3
14	In Progress	South Road Mitigation	10418F	03/11 - 07/14	\$1.3
16	In Progress	Exit 2 Interchange Reconstruction	13933E	07/12 - 10/15	\$43.6
17	In Progress	Exit 3 SB Bridges over Routes 111 & 111A	13933N	03/12 - 11/13	\$12.1
18	In Progress	Exit 3 - SB Mainline, SB On-Ramp & NH 111	13933I	10/12 - 10/16	\$35.1
19	In Progress	Exit 3 NB Mainline, NH Routes 111 & 111A	13933H	11/13 - 06/16	\$39.9

Completed to date: \$183.9M  
In progress: \$169.3M

Total: \$353.2M

Future Capacity Improvements (2014 - 2020) \$250.0M

