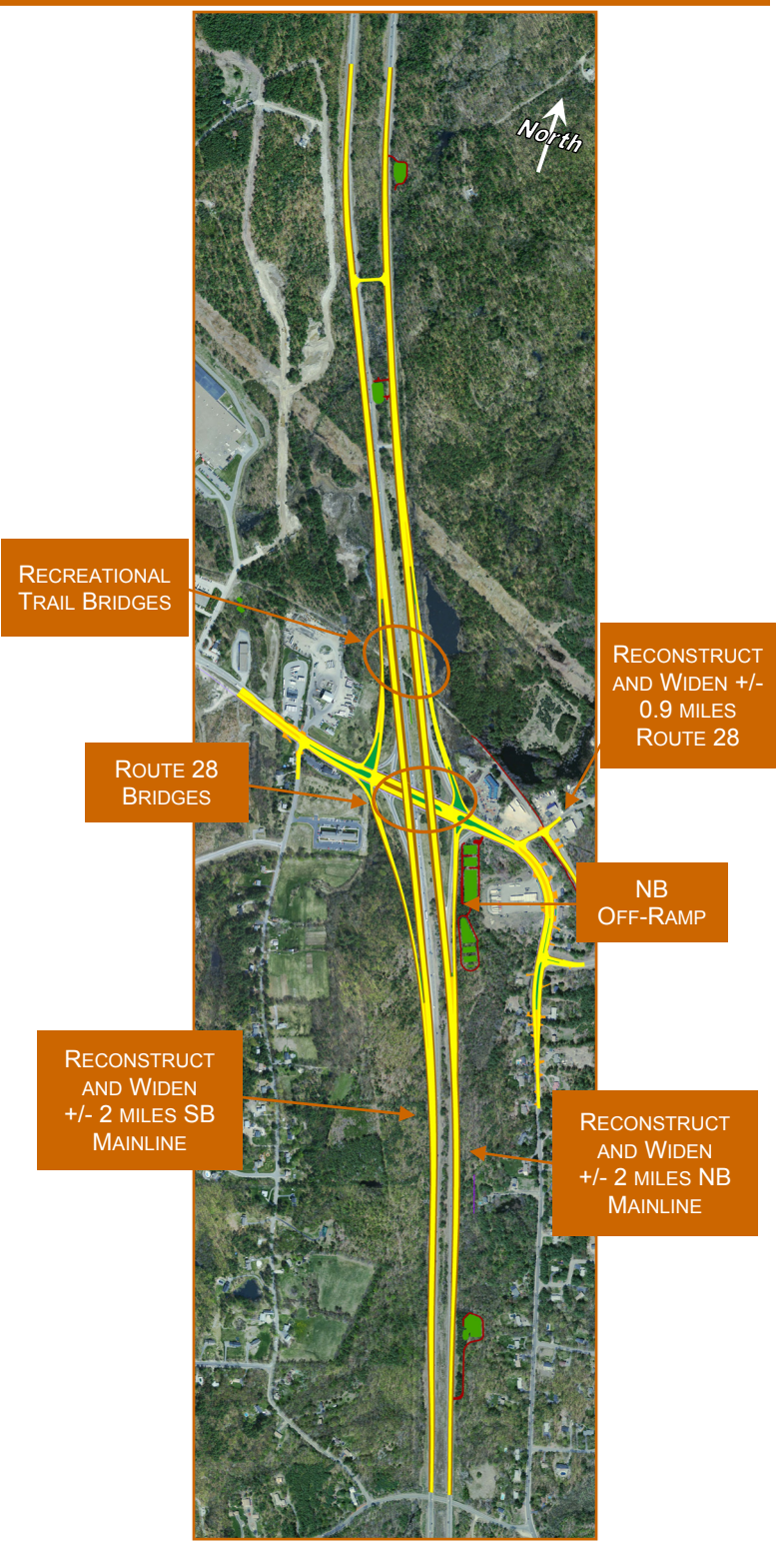


CONTRACT 14633F will finalize the reconstruction of **Exit 5**, tying into the completed ramps project and the new Park-and-Ride. **Severino Construction Co, Inc. of Candia NH** is the apparent low bidder with a bid of \$36.7M. \$35.5 is dedicated to contract 14633F, and \$1.2 M to 10418 F (South Road Mitigation). The overall contract cost for these two projects will be \$38.6M. The project involves:

- Replacement of a total of four red-listed bridges over Route 28 and the Recreational Trail
- 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.

Contract 10418F: This project consists of constructing wetland mitigation on two sites that will be accessed from Gilcrest 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. The 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.

TRAFFIC IMPLICATIONS: With the exception of occasional lane closures and traffic shut-downs during low volume periods, two lanes of traffic will be maintained on both NB and SB at all times. All work performed over the travel lanes of NH 28 involving structural steel and concrete deck removal shall be done with traffic shutdowns during off-peak hours.



CORRIDOR NEWS

I-93 Construction News and Highlights

Winter / Spring 2011 ~ Issue No. 9

~ I-93 Improvements ~ *Moving Ahead* ~

I-93 Moves Ahead

With an estimated total cost of \$799.7M, the improvements to the 20-mile stretch of I-93 from Salem to Manchester constitute the largest project that the DOT has ever undertaken.

The DOT has been diligent in moving the project forward. Construction is being prioritized to address "red list" bridges and needed safety and capacity improvements. The prioritized sections include the six-mile section from Exit 1 (Salem) to Exit 3 (Windham) and the Exit 5 interchange (Londonderry). These portions of I-93 contained 19 "red-list" bridges; to date, eight have been replaced, three are under construction and construction of six more will begin this summer. Overall, \$218.7M of construction has been completed or is underway. As priority areas are completed, construction will begin on the remaining portions of the highway.

Additional project information related to construction contracts, environmental concerns and schedule can be found on the project website at: RebuildingI93.com

The I-93 project will be funded through NHDOT's Federal Aid Transportation program with associated State match requirements from the State Highway Fund. The majority of Federal funding sources is currently programmed as 60% National Highway System (NHS) Funds (80/20), and 40% Interstate Maintenance (IM) Funds (90/10). Accordingly, with this anticipated funding breakdown, the programmed project costs are 84% Federal funds and 16% State funds.

Grant Anticipation Revenue Vehicle (GARVEE) bonds are intended to be used to finance the project and accelerate the construction from what would otherwise be possible with conventional pay-as-you-go financing. It is anticipated that these will be stand-alone GARVEE bonds, with federal aid directly paying the debt service. Using GARVEE bonds will also allow NHDOT to minimize impacts to the rest of the State's Federal Aid Construction program while advancing this critical project. The Legislature has approved \$195M in bonding authority for the project. The first \$80M in bonds were issued in November 2010. The next bond issue is being planned for the Fall/Winter of 2011.

Breakout of Construction Projects

- 19 - Road/Bridge
- 5 - Park-n-Rides
- 1 - Intelligent Transportation System (ITS)

Overall Project Estimated Cost

Construction:	\$615.6M
ROW:	\$112.2M
Engineering:	\$ 71.9M
=====	
Total:	\$799.7M

Current Project Status

Design: Entire corridor **70%** complete
ROW: Acquisition complete on 231 of 402 parcels
Wetland Mitigation: 930 out of 980 acres acquired
Construction: Total # of Construction projects = 24
Projects Complete = 9
Projects Currently Underway = 3
Projects to Begin Early 2011 = 3

Content:

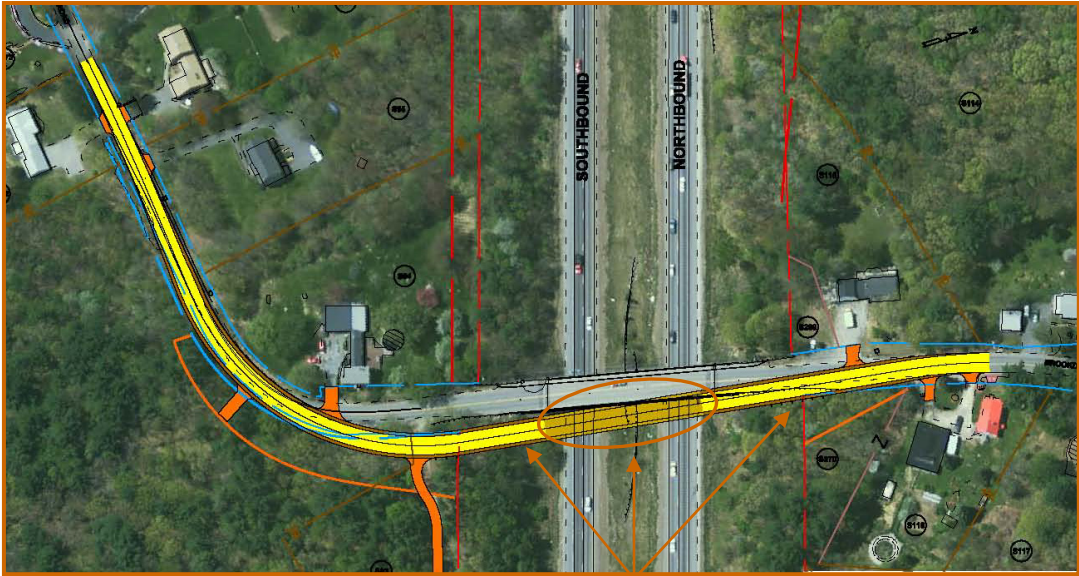
Project Status	1
Brookdale Rd Bridge	2
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Exit 3 Project 13933K	7
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New Hampshire Department of Transportation
John O. Morton Building
7 Hazen Drive
Concord, NH 03302-0483

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



CONTRACT 13933F will replace the existing bridge carrying **Brookdale Road** over I-93 in Salem just north of the Exit 2 interchange. This bridge was constructed in 1961 and is currently on the state's "red list" for deficient structures. The new 310-foot long, two-span bridge will be two lanes wide and will accommodate the future reconstruction of the interstate. Approximately 1,000 linear feet of Brookdale Road will also be reconstructed as part of this project. **This project was awarded to R. S. Audley Inc. on July 14, 2010 with a bid price of \$4.34M.** Total construction cost is estimated to be \$4.64M.



CONTRACT 13933F ~ BROOKDALE ROAD BRIDGE AND APPROACHES

The traffic pattern on Brookdale Road will change this spring to alternating one-way with signal control. Two-way traffic will resume prior to the 2011-2012 winter.



Existing Brookdale Road Bridge



Installation of New Guardrail for SB Construction Access



Construction of Temporary Ramp to Staging Area



EXIT 3, SOUTHBOUND OFF-RAMP AND NORTHBOUND BRIDGES (CONTRACT 13933K):

To reconfigure Exit 3 to a diamond interchange, a new **SB off-ramp was constructed** to replace the existing loop ramp. This new ramp, located north of NH 111, will help to improve the interchange capacity and improve safety on the mainline. This ramp will be opened when a portion of work is accomplished under the 13933G Contract. **Two new bridges to carry the relocated NB mainline over NH 111 and NH 111A have been constructed under this contract, allowing two red list bridges to be removed from service.**

This project was awarded to Middlesex Corporation of Littleton, MA on October 8, 2008.



Northbound Bridge over Route 111A



Northbound Bridge over Route 111



AERIAL VIEW OF NEW SECTION OF NB (LOOKING SOUTH) MAINLINE, INCLUDING NEW BRIDGE OVER ROUTE 111

This project was 99% complete as of December 1, 2010.



EXIT 3, NORTHBOUND MAINLINE (CONTRACT 13933G)

Roadway construction on this ARRA funded project was 71% complete as of January 3, 2010

Construction continues on a new section of roadway to relocate the NB lanes closer to the existing SB lanes. This construction will tie in the two bridges constructed under 13933K, thus eliminating two red list bridges. This contract was awarded to George R. Cairns & Sons, Inc. on May 6, 2009.

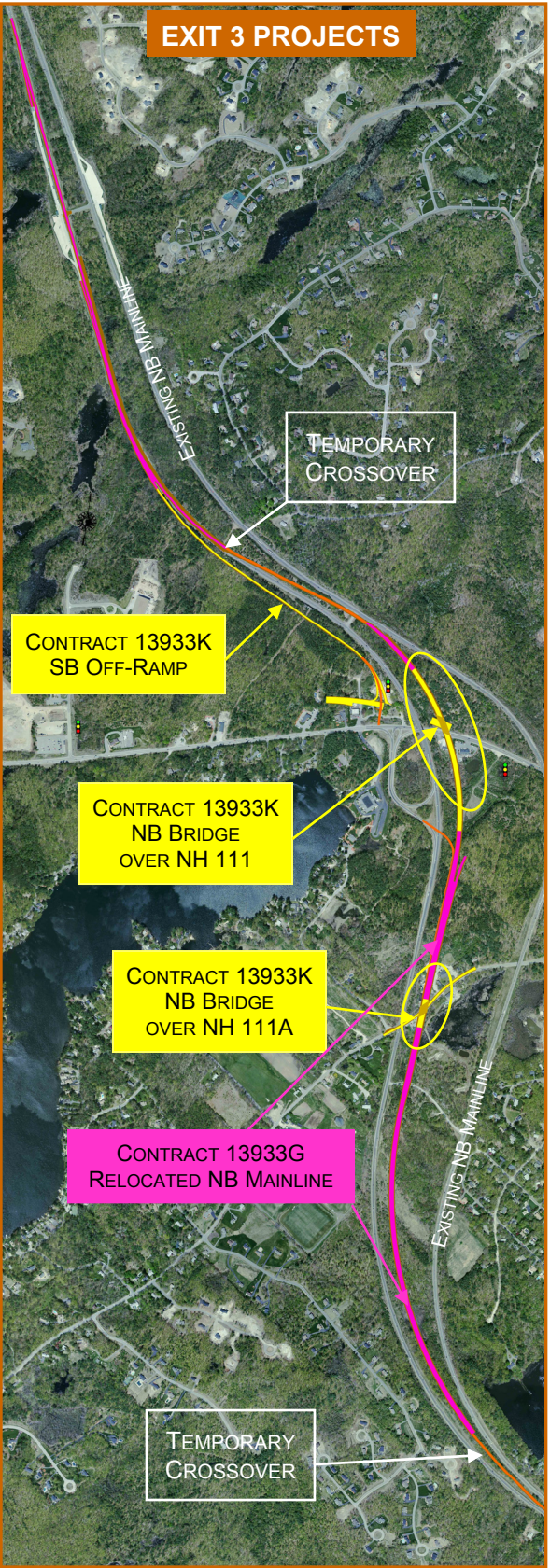
In support of the DOT Incident Management initiatives, an emergency access ramp from North Lowell Road (just above Exit 3) was constructed to NB and SB I-93, thus reducing the amount of time required for incident response. New mile marker signs were posted along the entire 20-mile corridor, allowing emergency responders to more accurately locate accidents.

The new SB off-ramp is anticipated to be opened to traffic in August 2011. The project is targeted for a November 2011 completion.



LOOKING NORTH, ROUTE 111 BRIDGE
EXISTING SB ON LEFT, NEW NB ON RIGHT

CONTRACT 13933G IS CONSTRUCTING TEMPORARY CROSSOVERS, CONNECTING THE NEW SECTION OF NB TO EXISTING SB. INSTEAD OF PUTTING NB TRAFFIC ON THE NEW SECTION, SB TRAFFIC WILL TEMPORARILY (FOR 2—3 YEARS) USE THE NEW ROADWAY, ALLOWING A PORTION OF THE EXISTING SB TO BE RECONSTRUCTED UNDER A FUTURE CONTRACT WITHOUT DIRECTLY IMPACTING TRAFFIC. THESE CROSSOVERS WILL BE OPENED UPON THE COMPLETION OF THE 13933G CONTRACT.

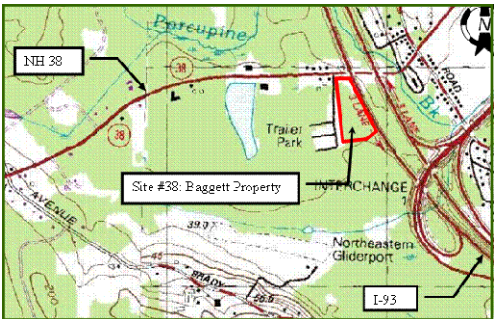


Contract 13933D involves the reconstruction and widening of NB and SB I-93 mainline in Salem in the vicinity of Exit 1 to just south of Exit 2, replacement of the NB and SB I-93 bridges over Lowell Road, and reconstruction of the Exit 1 NB and SB Ramps. This project will tie into the previously completed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

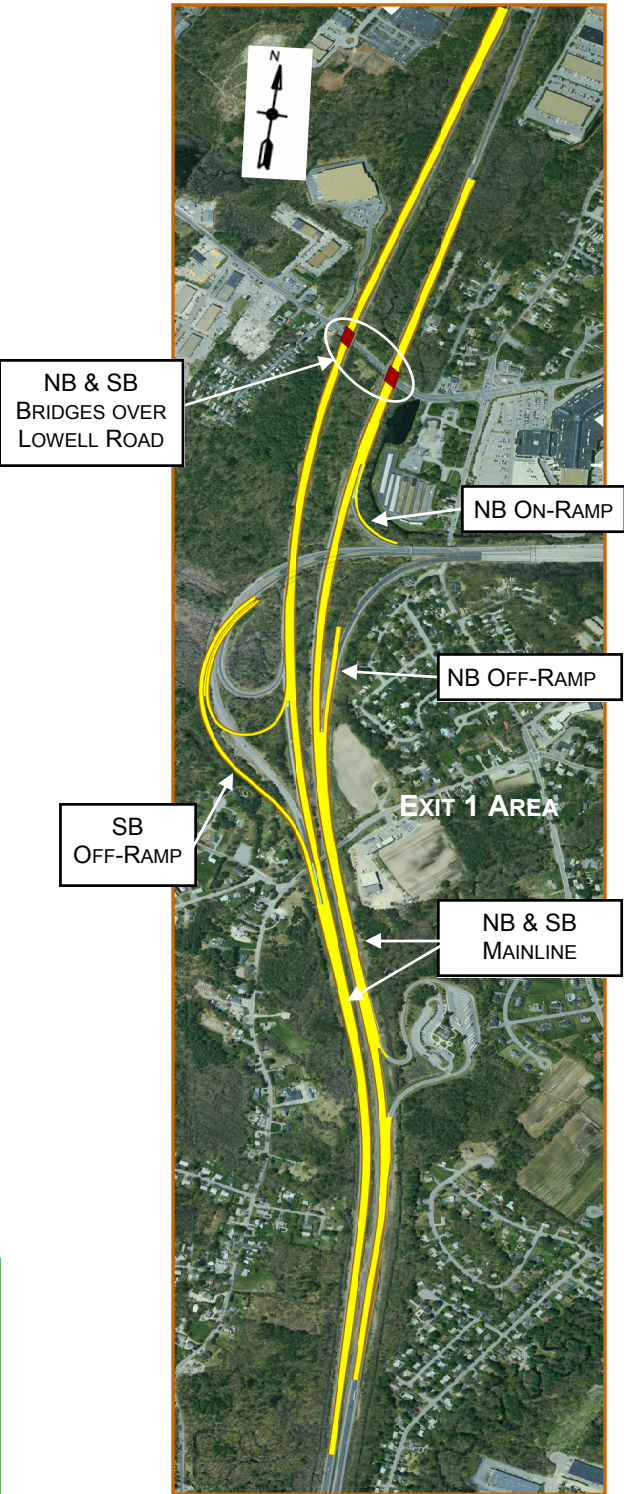
Also included is approximately 1,600 linear feet of sound wall along the SB mainline in the vicinity of Lowell Road and construction of the Baggett Wetlands Mitigation Site.

Bids for this contract were opened November 18, 2010. The project was awarded to Middlesex Corporation of Littleton, MA with a low bid of \$30.6M. Work is expected to start in Spring of 2011.

This project will remove two red-listed bridges from service and will widen the interstate from Exit 2 southward to the MA border. The current completion date is June 2013. The total estimated cost of construction for this project is \$32.0M.



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



Complete	
Under Construction	
Planned 2011 Construction	

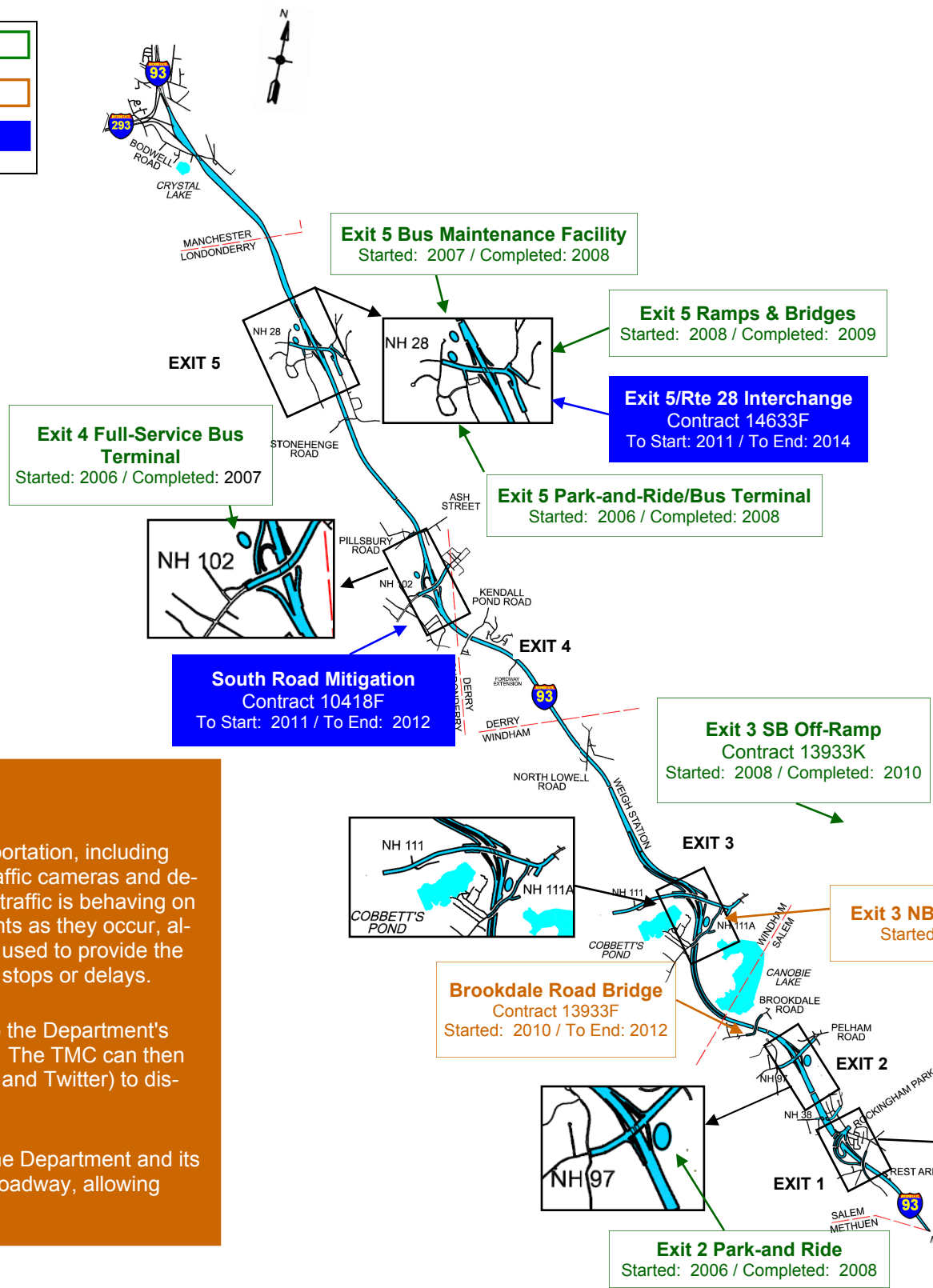
Contract 10418Z Phase I Intelligent Transportation System (ITS) - To date, ITS has been applied at Exits 1, 3 and 5 during ongoing construction projects, under what is termed Smart Work Zones (SWZ). The SWZs are specific to each construction project. NHDOT is now beginning the implementation of a corridor-wide system. Phase I will install a number of devices such as variable speed limit (VSL) signs, cameras, variable message signs (VMS) and Roadway Weather Information Systems (RWIS), as well as communication devices to help relay the information back the NHDOT's Transportation Management Center (TMC). This system will be utilized during construction and will remain in place post-construction to help manage traffic. A contract for Phase I was awarded last spring and the contractor is in the process of installing foundations at device locations. The devices themselves will be installed in the spring of 2011 with work scheduled to be complete in July 2011.

ADDITIONAL INFORMATION

ITS refers to a broad range of diverse technologies applied to transportation, including traffic sensors, traffic cameras, and variable message signs. The traffic cameras and detecting equipment give the NHDOT real-time information about how traffic is behaving on the roadway, alerting the DOT and emergency responders to incidents as they occur, allowing for a quicker response time. The variable message signs are used to provide the motoring public with actual travel times and notification of any traffic stops or delays.

Information collected by cameras and sensors is transmitted back to the Department's new state-of-the-art Traffic Management Center (TMC) in Concord. The TMC can then utilize message boards and the internet (through the DOT's website and Twitter) to disseminate information to the public.

Additionally, Roadway Weather Information Systems (RWIS) alert the Department and its road maintenance personnel to potential icing conditions along the roadway, allowing them to more effectively apply de-icing materials to the road.



I-93 PROJECT SUMMARY OF PROJECTS TO DATE				
Status	Project Description	Contract Number	Constructed To/From	Cost (M)
Complete	Exit 4 Bus Terminal/PNR	10418M	01/06 - 05/07	\$1.4
Complete	Cross Street Bridge	13933B	11/06 - 10/08	\$6.9
Complete	Exit 5 PNR/Rockingham Road	10418I	12/06 - 10/08	\$7.8
Complete	Exit 2 Bus Terminal/PNR	10418G	03/07 - 10/08	\$7.1
Complete	Exit 5 Bus Terminal/Maintenance Facility	10418N	08/07 - 10/08	\$7.2
Complete	Exit 1 Ramps & Bridges	13933C	09/07 - 10/09	\$24.7
Complete	Exit 5 Ramps & Bridges	14633E	07/08 - 05/10	\$15.8
Complete	Exit 3 SB Off-Ramp & NB Bridges	13933K	09/08 - 11/10	\$27.6
Complete	Bus Procurement/Operation Costs for Expanded Service	10418L	Service Began 11/08	\$10.0
In Progress	Exit 3 NB Mainline	13933G	05/09 - 11/11	\$30.6
In Progress	Phase I Intelligent Transportation Systems (ITS)	10418Z	11/09 - 11/11	\$4.4
In Progress	Brookdale Road Bridge	13933F	06/10 - 07/12	\$4.6
Early 2011	Exit 5/Route 28 Interchange	14633F	03/11 - 07/14	\$37.2
Early 2011	South Road Mitigation	10418F	03/11 - 07/14	\$1.4
Early 2011	Exit 1 Area, NB & SB Mainline	13933D	03/11 - 09/12	\$32.0
Projects completed total \$108.5M. Projects in progress and starting soon total \$110.2M. There are still over \$390M in projects to be completed over the next ten years.				

