

Town of Windham



NH 111 Corridor & Wall St Connector Feasibility Study

**Project Advisory
Committee Meeting
October 28, 2010**



McFarland Johnson



Agenda

- Welcome/Introductions
- Public Comment
- PAC Meeting 11 Summary
- Public Informational Meeting Summary
- Review Problem and Vision Statements
- Preferred Alternatives & Approaches
- Preliminary Results from N. Lowell Road Truck Counts
- Local Officials Meeting
- Project Schedule
- Other Business
- Next Meeting
- Adjourn





Problem Statement

The Town of Windham, NH, lacks a vibrant town center. While zoning has been put in place to create a town center with a variety of civic, commercial and residential uses, as well as community gathering spaces, the high volume of traffic on local roads and on the state highway that bisects the town center have impeded its development. Improvements to Interstate 93 will further increase this traffic and prevent the desired development. Additional obstacles to success include a lack of connectivity between existing commercial uses, the lack of public utilities, natural resource constraints, the high volume of truck traffic, and the trend towards vehicle dependency.





Vision Statement

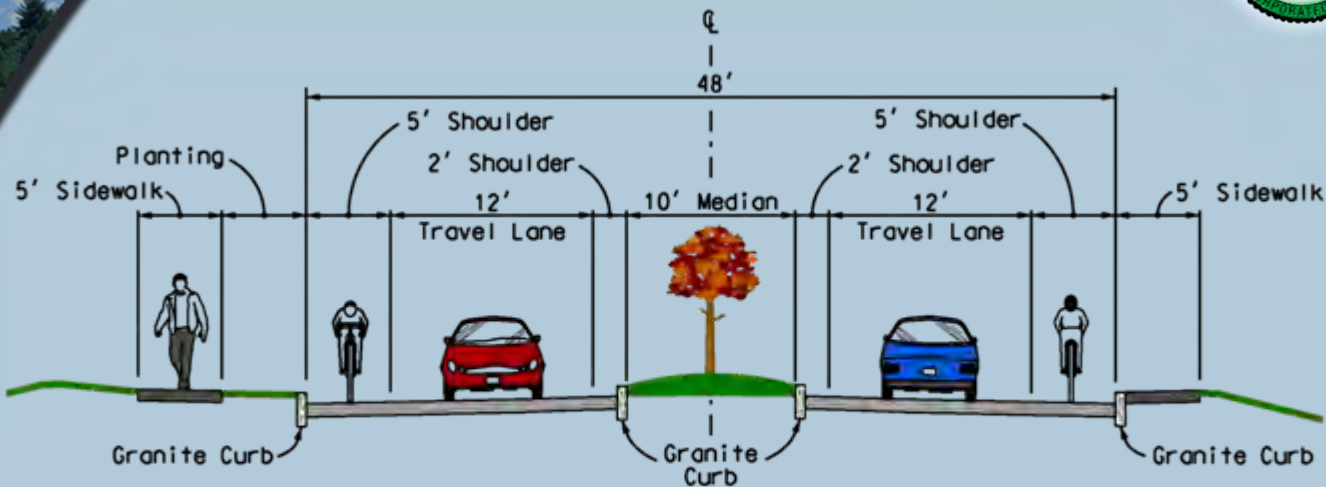
The historic town center of Windham, NH will become a vibrant, pedestrian-friendly village center accessed by an improved road system that serves travel patterns more safely and efficiently resulting in reduced traffic volumes in the village. Community gathering spaces, new retail and civic destinations, and a range of housing options will be served by multiple modes of transportation, will enhance the quality of life and sense of community for residents and will attract visitors from around the region. Planning and development will be sensitive to the environment, to adjacent historic districts, and to residential neighborhoods while improving connectivity between existing and new development.



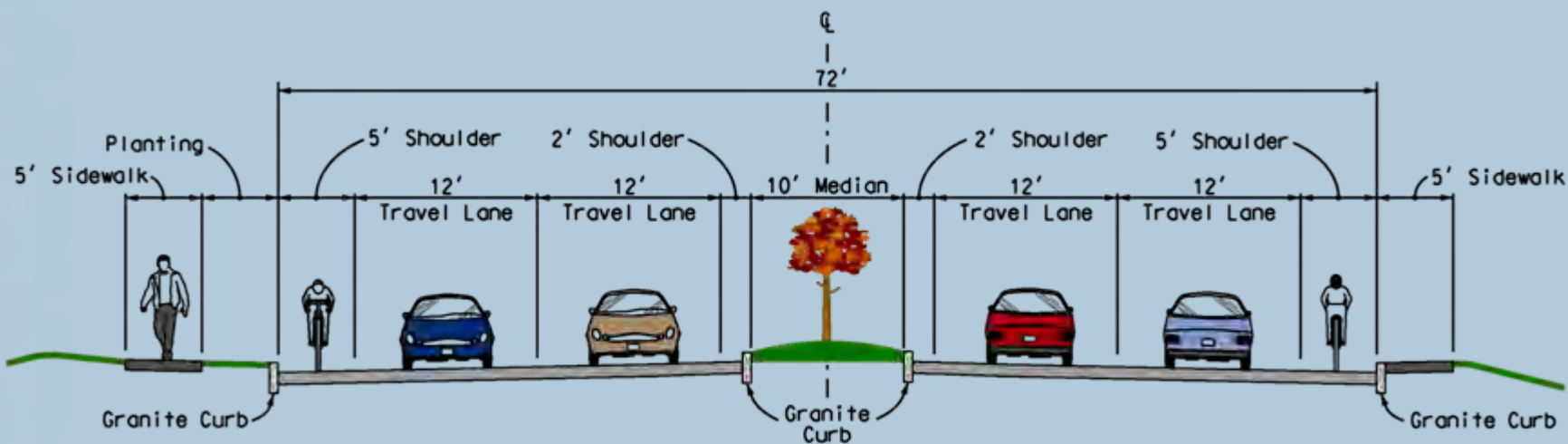
Alternatives Development

- No Build
- Wall Street Extension
- NH 111 Bypass
- NH 111 In-Corridor Improvements
 - Reduced Speed
 - 4-Lane Configuration
 - Upgraded Signal at S. Lowell Road / Hardwood Road
 - 2-Lane Roundabouts at Wall Street, USPS, & N. Lowell Road

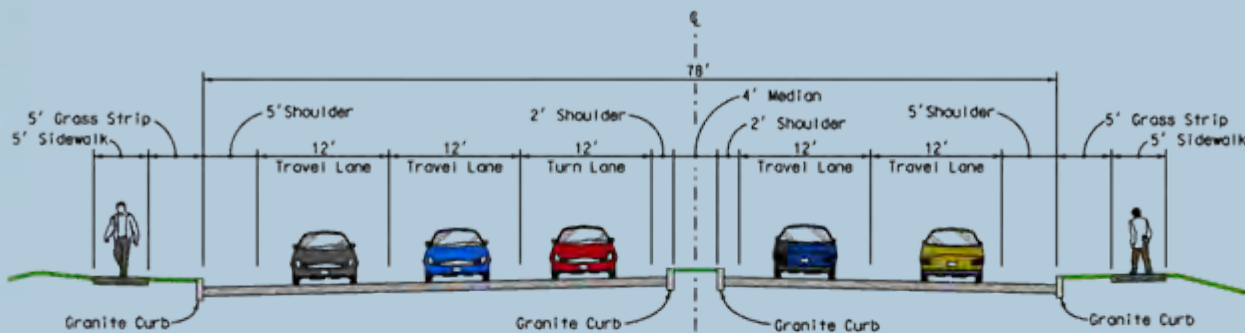




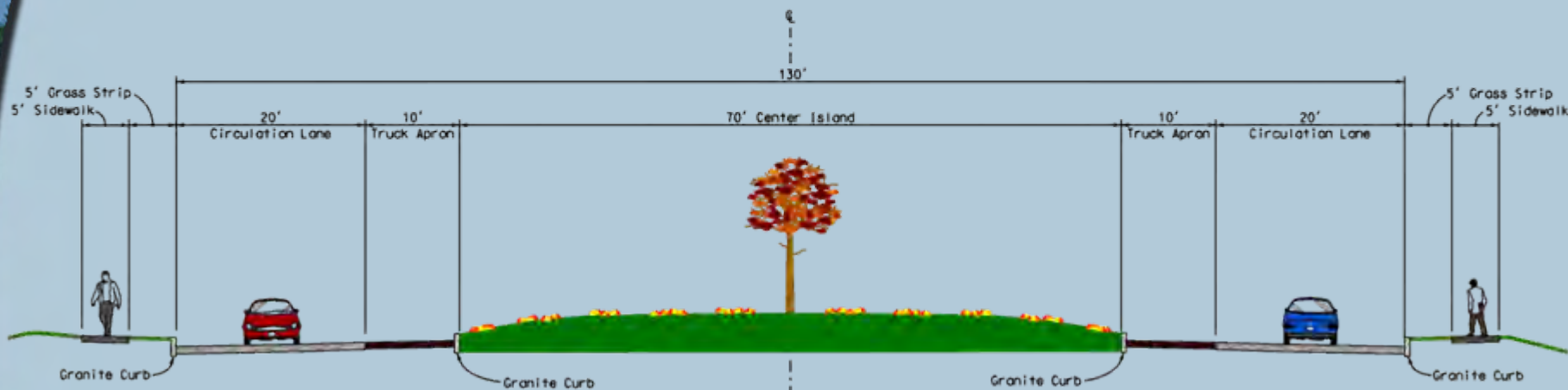
2 Lane Divided Section



4 Lane Divided Section

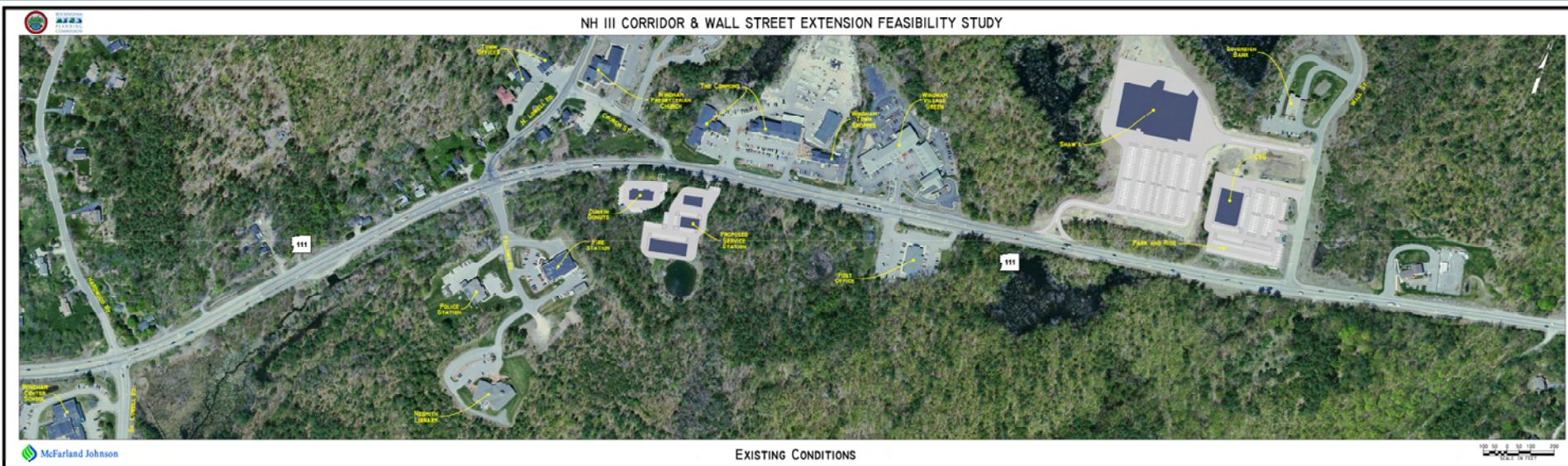


Section at Signalized Intersection

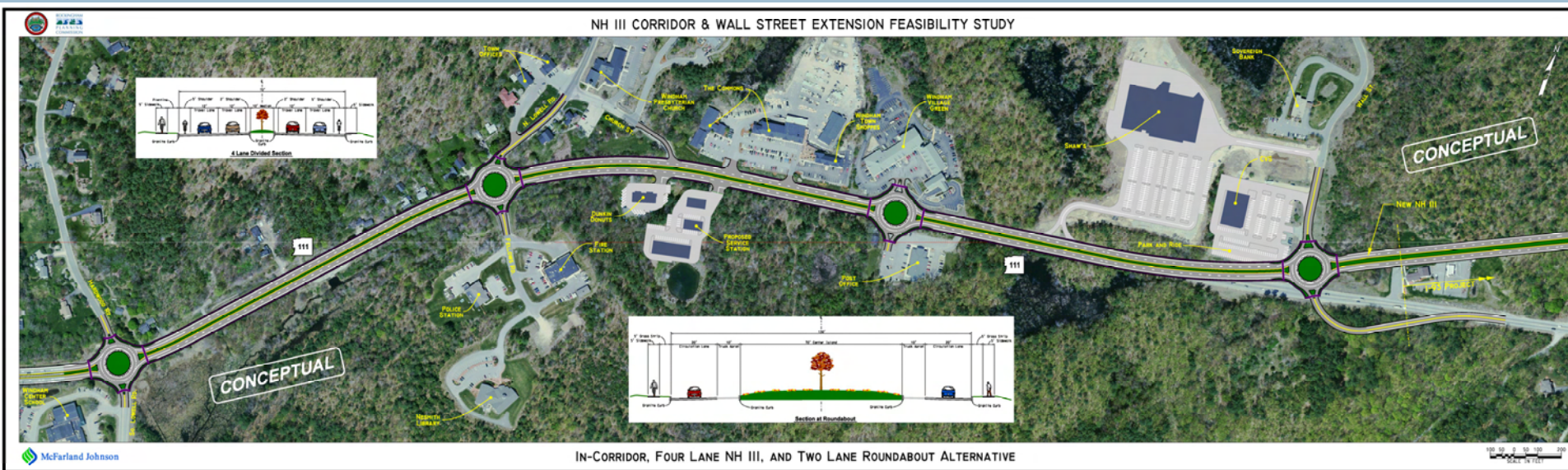


Section at Roundabout

Existing Conditions



In Corridor, Four Lane NH 111, and Two Lane Roundabouts



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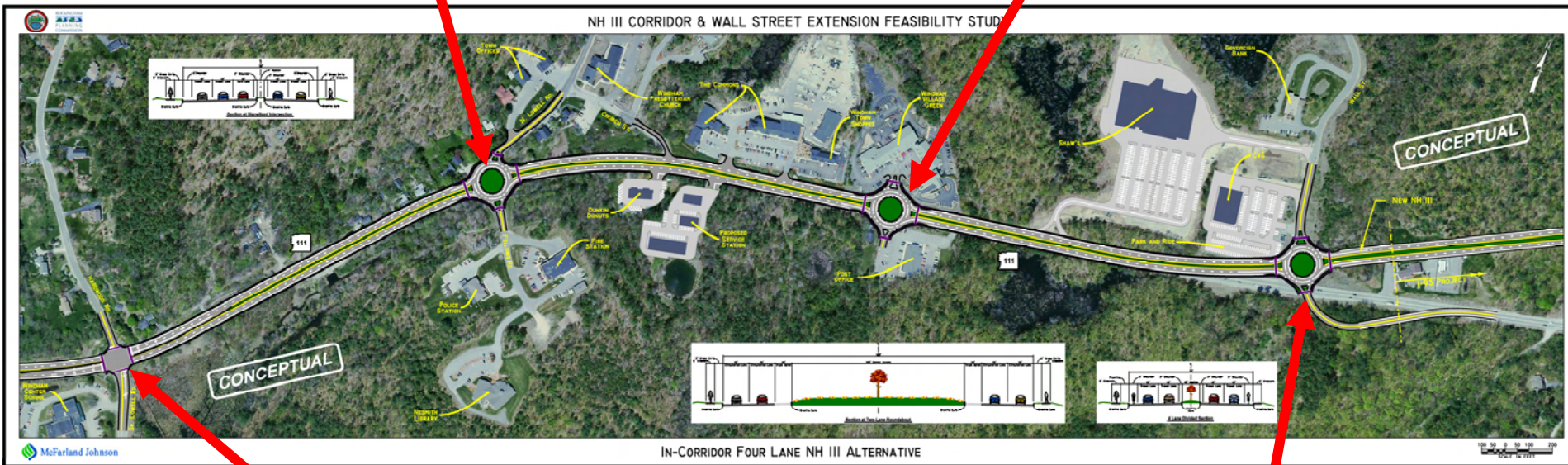
In Corridor Four Lane NH 111

Two - Lane
Roundabout

Two - Lane
Roundabout

Upgraded
Signal

Two - Lane
Roundabout



Wall Street Extension





Wall Street Extension

- Extension about 1 mile long
- Requires a bridge over wetlands
- Construction cost approximately \$4.5M
(Includes Construction Engineering)
- Mitigation Cost assume \$500k
- Cost for design and permitting assume \$400k
- Cost for land acquisition assume \$750K
- Total Cost approximately \$6.0M to \$6.5M





N. Lowell Road Truck Counts

SEPTEMBER / OCTOBER 2010

Date	S	M	T	W	TH	F	S
	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>
Total Trucks	5	15	26	27	20	25	16
Total Volume	2,235	2,978	3,136	3,268	3,138	3,129	2,940
Percentage Trucks	0.22%	0.50%	0.83%	0.83%	0.64%	0.80%	0.54%
	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>
	6	28	33	21	41	23	13
	2,219	3,251	2,898	3,095	3,070	3,149	2,785
	0.27%	0.86%	1.14%	0.68%	1.34%	0.73%	0.47%
	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>1</u>	<u>2</u>
	2	19	30	21	27	17	2
	2,266	2,762	2,793	2,885	2,727	2,739	2,659
	0.09%	0.69%	1.07%	0.73%	0.99%	0.62%	0.08%

Trucks: Class 6 to 13

Volume: 7:00 AM to 6:00 PM



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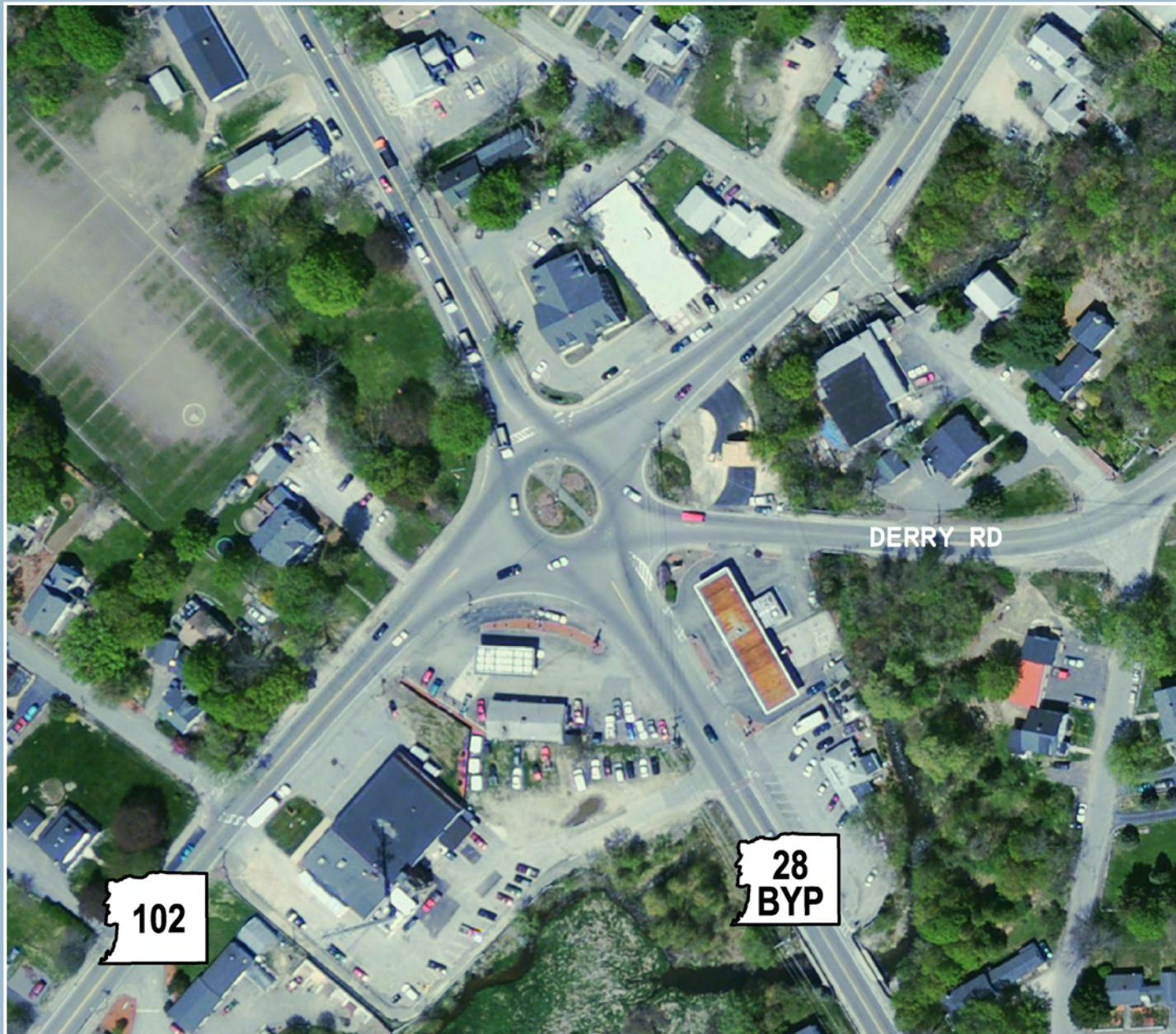


Project Schedule

Remaining Tasks

- Access Management Strategies
- Short Term Recommendations
- Cost Estimates
- Project Financing Report
- PPS Recommendations
- Study Report (Draft & Final)
- Public Meeting

Route 102/25 Bypass, Derry



Route 102/25 Bypass, Derry





Roundabouts In Series



Malta, NY – I-87/Route 67

Roundabouts In Series

**Malta, NY
I-87/Route 67**





Questions / Comments