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McFARLAND JOHNSON

Established 1946

MEETING NOTES

PROJECT: NASHUA, NH – EAST HOLLIS STREET AND BRIDGE STREET INTERSECTION IMPROVEMENTS (NHDOT PROJECT NO. 16314) (MJ Project No: 18315.00) **DATE OF MEETING:** July 25, 2018

LOCATION: Auditorium, City Hall, Nashua, NH **TIME:** 2:00 PM – 3:30 PM

SUBJECT: Steering Committee Alternatives Workshop Meeting #3

ATTENDED BY:

CITY of NASHUA:	J. Vayo	Downtown Specialist
	P. Kohalmi	Deputy City Engineer
	S. Marchant	Director Community Development
	J. Chizmas	Transportation Planner
	T. Cummings	Director of Economic Development

MJ:	B. Colburn
	B. Patinskas
	J. Santacruce

CRJA:	J. Law
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RESIDENTS:	P. Schaefer
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SMC MANAGEMENT	S. Riley
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RIVERSIDE PROPERTIES OF NASHUA	S. Bonnette
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PROJECT DISCUSSION:

B. Colburn began the meeting by giving an overview of what has taken place since the second Steering Committee Alternatives Meeting. A meeting with the Mayor and other city staff took place in early July to discuss the five alternatives. At that meeting, the City decided that Alternative 1 was to be removed from consideration as an alternative. This was due to it being similar to Alternative 2, but with more negative aspects. Alternative 2 was determined to be acceptable as one of the final alternatives. Alternative 3, which came from the previous study done by STV, was also decided on to be one of the final alternatives. Alternative 4 was determined to not be acceptable as a final alternative since it would function similar to Alternative 3 but it did not provide as much green space adjacent to E Street. Alternative 5, which was the large oval layout, was removed from consideration due to safety concerns associated with the weaving

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involved. It was also decided that a third alternative would be developed that would maintain the existing intersection layout and provide enhanced bicycle and pedestrian facilities.

ALTERNATIVE 1 (see attached for Alternatives 1-3)

This alternative is the same layout as the existing layout. Geometric changes will be minimal. Sidewalks and bike lanes will be added on to what is existing in the area. Rapid Rectangular Flashing Beacons will be provided to make pedestrian crossings safer. Under this alternative, the signal at D Street would need to be made permanent. This may be a benefit to some people and a negative impact for others. It would make turning onto Bridge Street easier for residents on D Street, but it would also cause more cut through traffic. Some drivers are also now treating D Street as a two-way street. These are concerns as there are kids that regularly play on D Street. Another safety concern brought up by the residents was the merge coming from Hudson onto East Hollis Street. This option would improve the merge by moving it closer to the signal to the east. The main benefits of this alternative are that traffic would not be worse and the cost would be lower than the other options.

The main attributes of the landscaping design remain the same as from the previous steering committee meeting. There could be a dog park, garden, and community park in this alternative. The garden and park would be located on the western side of the intersection while the dog park and access to the river would be located on the eastern side of the intersection. This landscape alternative would cost approximately \$1.1 million with \$400,000 being funded through NHDOT. The City of Nashua would be responsible for \$700,000. The funding through NHDOT can't be used to build the actual playground or dog park.

ALTERNATIVE 2

This alternative is the same layout as from the last steering committee meeting. The signal shown at the access road to Crown Street is not going to be built as part of this project. It will only be needed if the access road to Crown Street is built. The only change is the addition of sidewalks, which has been added to the inside of the intersection and around the perimeter. This intersection layout will make traffic worse for some movements due to the additional signals, but will create better access. One of the project goals is to not make traffic worse overall for the intersection. A way to judge this is to make sure the backups don't get any worse.

The dog park and access to the river would be located on the eastern side of the intersection and the playground would be in the center. This means that pedestrians would have to cross through the intersection to get there. A garden and tot lot would be located on the western edge of the intersection. This landscape alternative would cost \$950,000 and The City of Nashua would be responsible for \$850,000 of this.

There was some concern from members of the steering committee that this alternative could potentially lock up and cause backups. It was also mentioned that this would be complex for the typical driver to navigate.

ALTERNATIVE 3

This alternative remains the same from the last steering committee meeting. This option will utilize two signals and provide access to all properties. Sidewalks have been added to all areas of the intersection to provide better pedestrian access. One of the main drawbacks of this alternative is that pedestrians will have to cross five lanes of traffic at a time.

The dog park and access to the river would be located on the eastern side of the intersection and the playground, tot lot, and garden would be on the western side. This landscape alternative would cost \$1.15 million and The City of Nashua would be responsible for \$850,000 of this.

ACTION ITEMS:

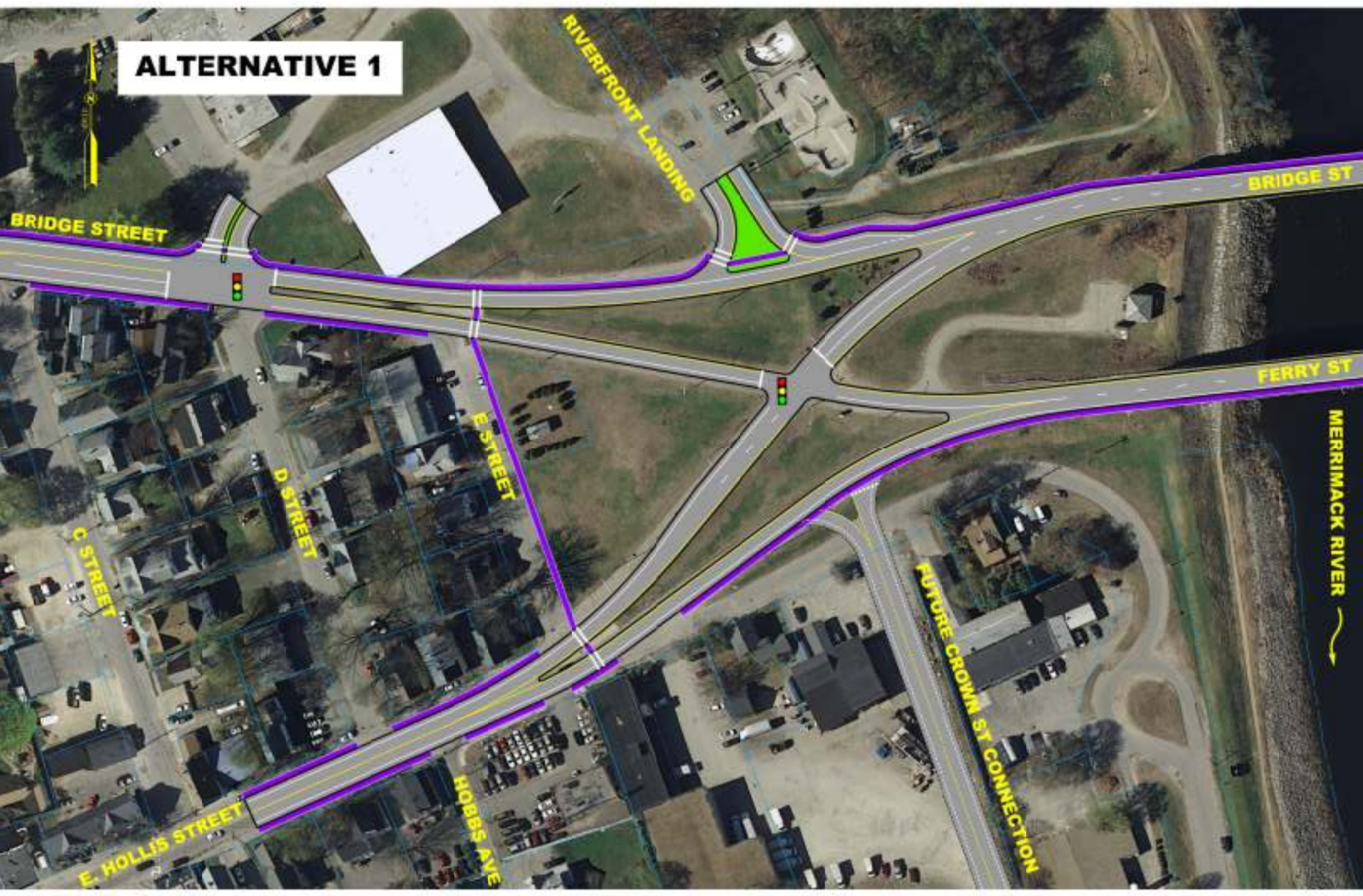
- MJ to create slides with alternatives that don't show Crown St. Access Road as that road is only drawn in based on the assumption of redevelopment taking place.
- CRJA to create slides showing what can be done with the available budget and what can be done overall if The City can provide additional funding.
- MJ to use NACTO guidelines when developing the alternatives.
- MJ to add bike symbols to the plans.

Submitted by:

Brian E. Patinskas, PE
McFarland Johnson, Inc.

cc: Attendees

ALTERNATIVE 1



East Hollis / Bridge Street Intersection Improvement Project

LANDSCAPE CONCEPTUAL DESIGN OPTION 1



- ① NEW STREET TREES
- ② GATEWAY STRUCTURE
- ③ BUFFER PLANTING
- ④ FLAG POLE
- ⑤ CHILDREN'S PLAYGROUND WITH FENCING
- ⑥ COMMUNITY GARDEN
- ⑦ OPEN GREEN SPACE
- ⑧ NEW PEDESTRIAN SIDEWALKS
- ⑨ EXISTING BUILDINGS TO REMAIN
- ⑩ LANDSCAPED BERM WITH PLANTING TO HELP SCREEN TRAFFIC
- ⑪ SCULPTED LAWN LAND FORM FOR GATHERING / PLAY
- ⑫ PEDESTRIAN CONNECTION TO THE MERRIMACK RIVER
- ⑬ ACCESS DRIVE
- ⑭ PEDESTRIAN CROSSWALKS
- ⑮ DOG PARK

East Hollis / Bridge Street Intersection Improvement Project

LANDSCAPE CONCEPTUAL DESIGN OPTION 1



COST INFORMATION: \$1,113,000 (BUDGET \$400,000+/-)

- SOFTSCAPE**
- 152 SHADE TREES
 - 50 FLOWERING
 - EARTHWORK
 - PLANTING

COST
 \$1,000 EACH
 \$800 EACH
 \$150,000 ALLOWANCE
 \$50,000 ALLOWANCE
TOTAL \$392,000

- SITE AMENITIES**
- 47 PEDESTRIAN LIGHT FIXTURES
 - 10 BENCHES
 - 3 TRASH RECEPTACLES
 - FLAGPOLE

COST
 \$4,000 EACH
 \$2,500 EACH
 \$1,000 EACH
 \$5,000 EACH
TOTAL \$221,000

- COMMUNITY AMENITIES**
- CHILDREN'S PLAYGROUND
 - COMMUNITY GARDEN
 - GATEWAY ELEMENT

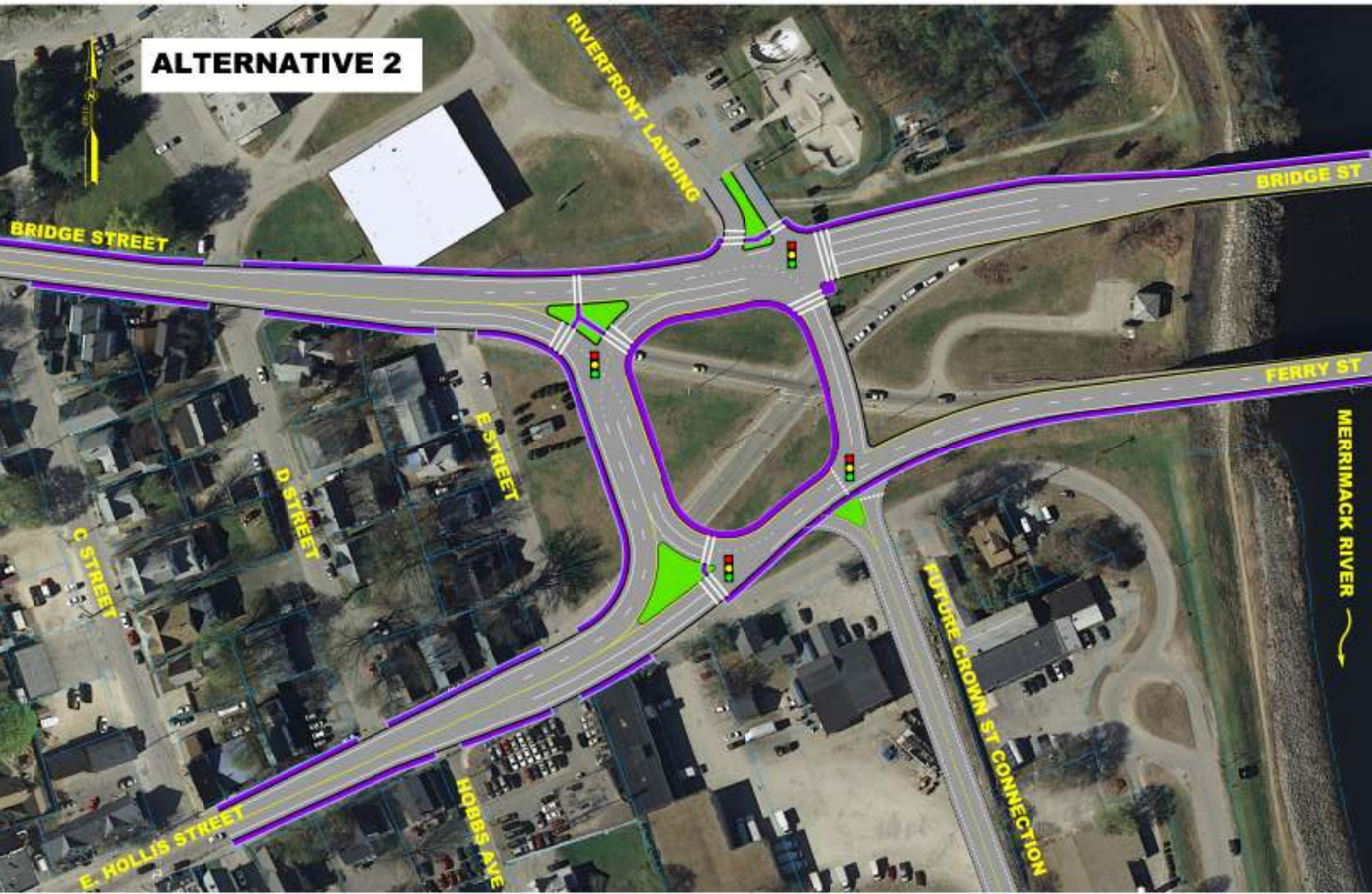
COST
 \$200,000 ALLOWANCE
 \$80,000 ALLOWANCE
 \$100,000 ALLOWANCE
TOTAL \$380,000

- HARDSCAPE**
- CONCRETE SIDEWALKS

COST
 \$120,000
TOTAL \$120,000



ALTERNATIVE 2



East Hollis / Bridge Street Intersection Improvement Project

LANDSCAPE CONCEPTUAL DESIGN OPTION 2



- | | | | | | | | |
|---------------------|-------------------|--------------------------------------|----------------------------|---|---|--------------------------|------------------------------------|
| 1 NEW STREET TREES | 3 BUFFER PLANTING | 5 CHILDREN'S PLAYGROUND WITH FENCING | 7 OPEN GREEN SPACE | 9 EXISTING BUILDINGS TO REMAIN | 11 SCULPTED LAWN LAND FORM FOR GATHERING / PLAY | 13 ACCESS DRIVE | 15 DOG PARK |
| 2 GATEWAY STRUCTURE | 4 FLAG POLE | 6 COMMUNITY GARDEN | 8 NEW PEDESTRIAN SIDEWALKS | 10 LANDSCAPED BERM WITH PLANTING TO HELP SCREEN TRAFFIC | 12 PEDESTRIAN CONNECTION TO THE MERRIMACK RIVER | 14 PEDESTRIAN CROSSWALKS | 16 TODDLER PLAYGROUND WITH FENCING |

East Hollis / Bridge Street Intersection Improvement Project

LANDSCAPE CONCEPTUAL DESIGN OPTION 2



COST INFORMATION: \$949,400 (BUDGET \$100,000+/-)

- SOFTSCAPE**
- 132 SHADE TREES
 - 33 FLOWERING
 - EARTHWORK
 - PLANTING

COST
 \$1,000 EACH
 \$800 EACH
 \$150,000 ALLOWANCE
 \$50,000 ALLOWANCE
TOTAL \$202,400

- SITE AMENITIES**
- 46 PEDESTRIAN LIGHT FIXTURES
 - 11 BENCHES
 - 3 TRASH RECEPTACLES
 - FLAGPOLE

COST
 \$4,000 EACH
 \$2,500 EACH
 \$1,000 EACH
 \$5,000 EACH
TOTAL \$212,000

- COMMUNITY AMENITIES**
- CHILDREN'S PLAYGROUND
 - TODDLER PLAYGROUND
 - COMMUNITY GARDEN
 - GATEWAY ELEMENT

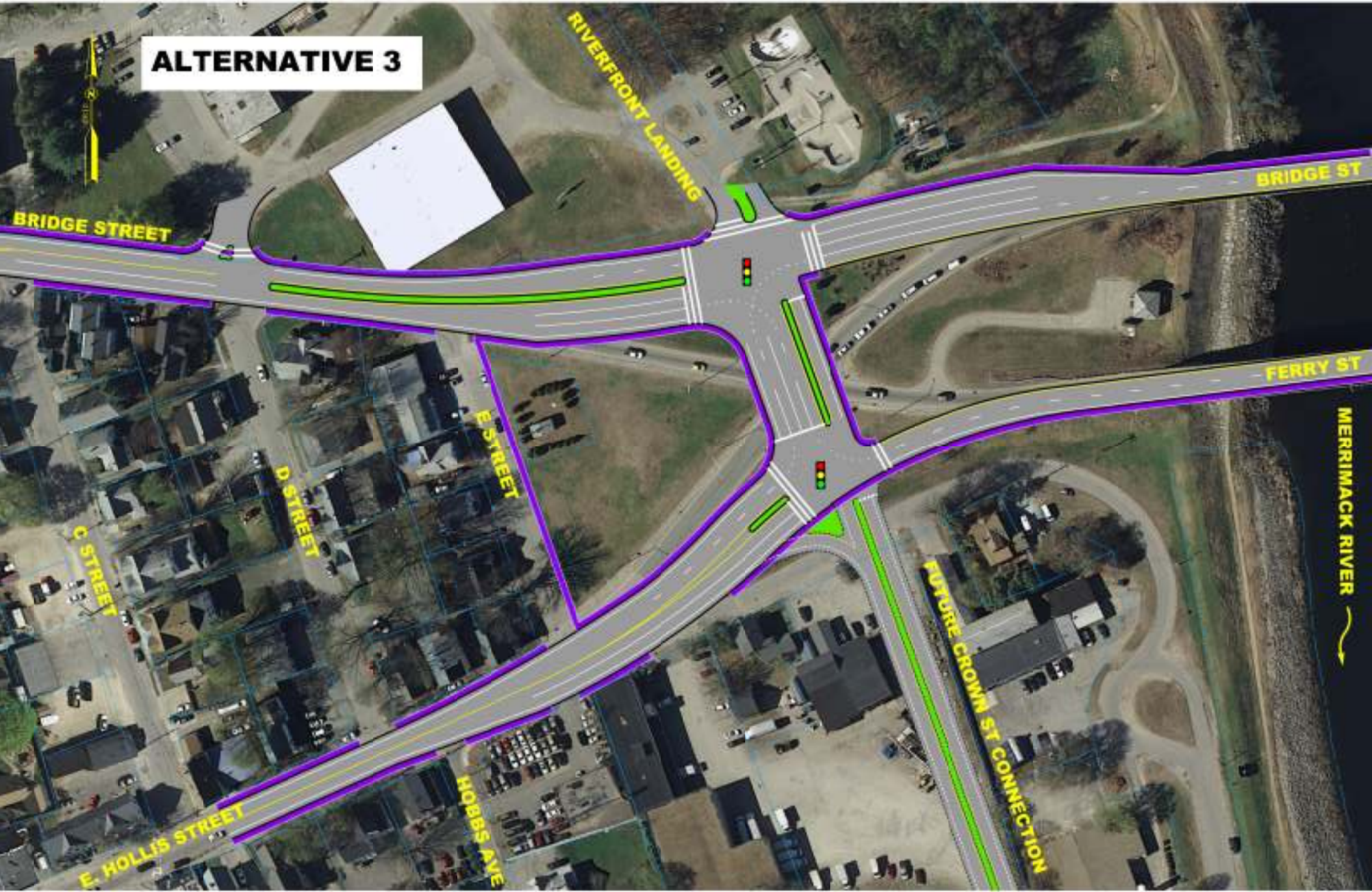
COST
 \$200,000 ALLOWANCE
 \$50,000 ALLOWANCE
 \$80,000 ALLOWANCE
 \$100,000 ALLOWANCE
TOTAL \$430,000

- HARDSCAPE**
- CONCRETE SIDEWALKS

COST
 \$105,000 ALLOWANCE
TOTAL \$105,000



ALTERNATIVE 3



East Hollis / Bridge Street Intersection Improvement Project

LANDSCAPE CONCEPTUAL DESIGN OPTION 3



- | | | | | | | | |
|---------------------|-------------------|--------------------------------------|----------------------------|---|---|--------------------------|------------------------------------|
| 1 NEW STREET TREES | 3 BUFFER PLANTING | 5 CHILDREN'S PLAYGROUND WITH FENCING | 7 OPEN GREEN SPACE | 9 EXISTING BUILDINGS TO REMAIN | 11 SCULPTED LAWN LAND FORM FOR GATHERING / PLAY | 13 ACCESS DRIVE | 15 DOG PARK |
| 2 GATEWAY STRUCTURE | 4 FLAG POLE | 6 COMMUNITY GARDEN | 8 NEW PEDESTRIAN SIDEWALKS | 10 LANDSCAPED BERM WITH PLANTING TO HELP SCREEN TRAFFIC | 12 PEDESTRIAN CONNECTION TO THE MERRIMACK RIVER | 14 PEDESTRIAN CROSSWALKS | 16 TODDLER PLAYGROUND WITH FENCING |

East Hollis / Bridge Street Intersection Improvement Project

LANDSCAPE CONCEPTUAL DESIGN OPTION 3



COST INFORMATION: \$1,147,900 (BUDGET \$300,000+/-)

- SOFTSCAPE**
- 139 SHADE TREES
 - 33 FLOWERING TREES
 - EARTHWORK
 - PLANTING

COST

- \$1,000 EACH
- \$800 EACH
- \$150,000 ALLOWANCE
- \$50,000 ALLOWANCE

TOTAL \$365,400

- SITE AMENITIES**
- 54 PEDESTRIAN LIGHT FIXTURES
 - 11 BENCHES
 - 3 TRASH RECEPTACLES
 - FLAGPOLE

COST

- \$4,000 EACH
- \$2,500 EACH
- \$1,000 EACH
- \$5,000 EACH

TOTAL \$251,500

- COMMUNITY AMENITIES**
- CHILDREN'S PLAYGROUND
 - TODDLER PLAYGROUND
 - COMMUNITY GARDEN
 - GATEWAY ELEMENT

COST

- \$200,000 ALLOWANCE
- \$50,000 ALLOWANCE
- \$80,000 ALLOWANCE
- \$100,000 ALLOWANCE

TOTAL \$430,000

- HARDSCAPE**
- CONCRETE SIDEWALKS

COST

- \$101,000 ALLOWANCE

TOTAL \$101,000

