



North River Canal Corridor Transportation Study Priorities and Preliminary Order of Magnitude Costs Salem, Massachusetts

City of Salem, Massachusetts
Kimberley Driscoll, Mayor



City of Salem
Department of Planning & Community Development

6/4/12

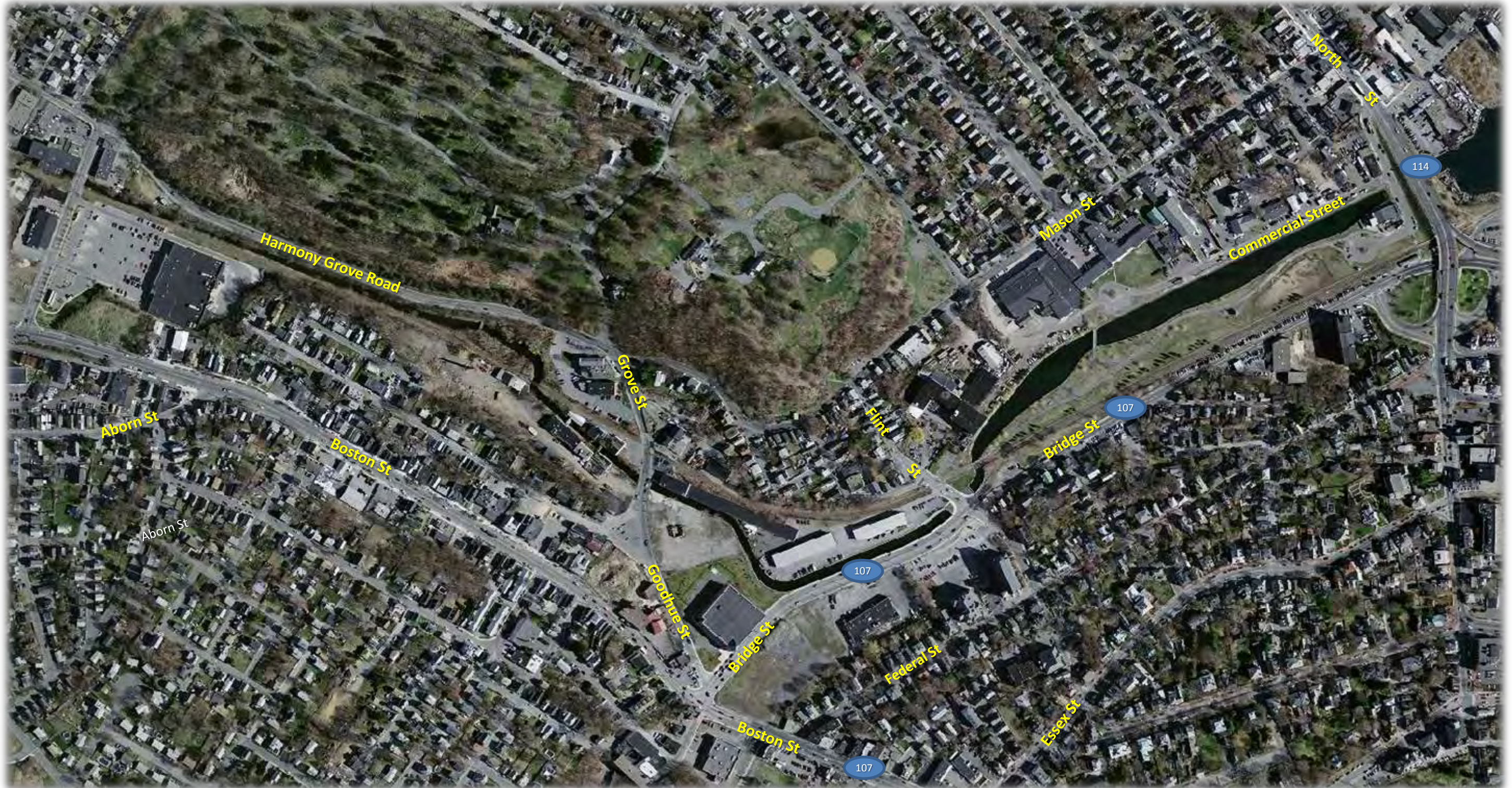
Purpose

- Identify *cumulative* impacts of developments over next five years (2016)
- Determine *transportation system* improvements

- Provide *order of magnitude* costs
- Identify *implementation* priorities



Study Area Overview

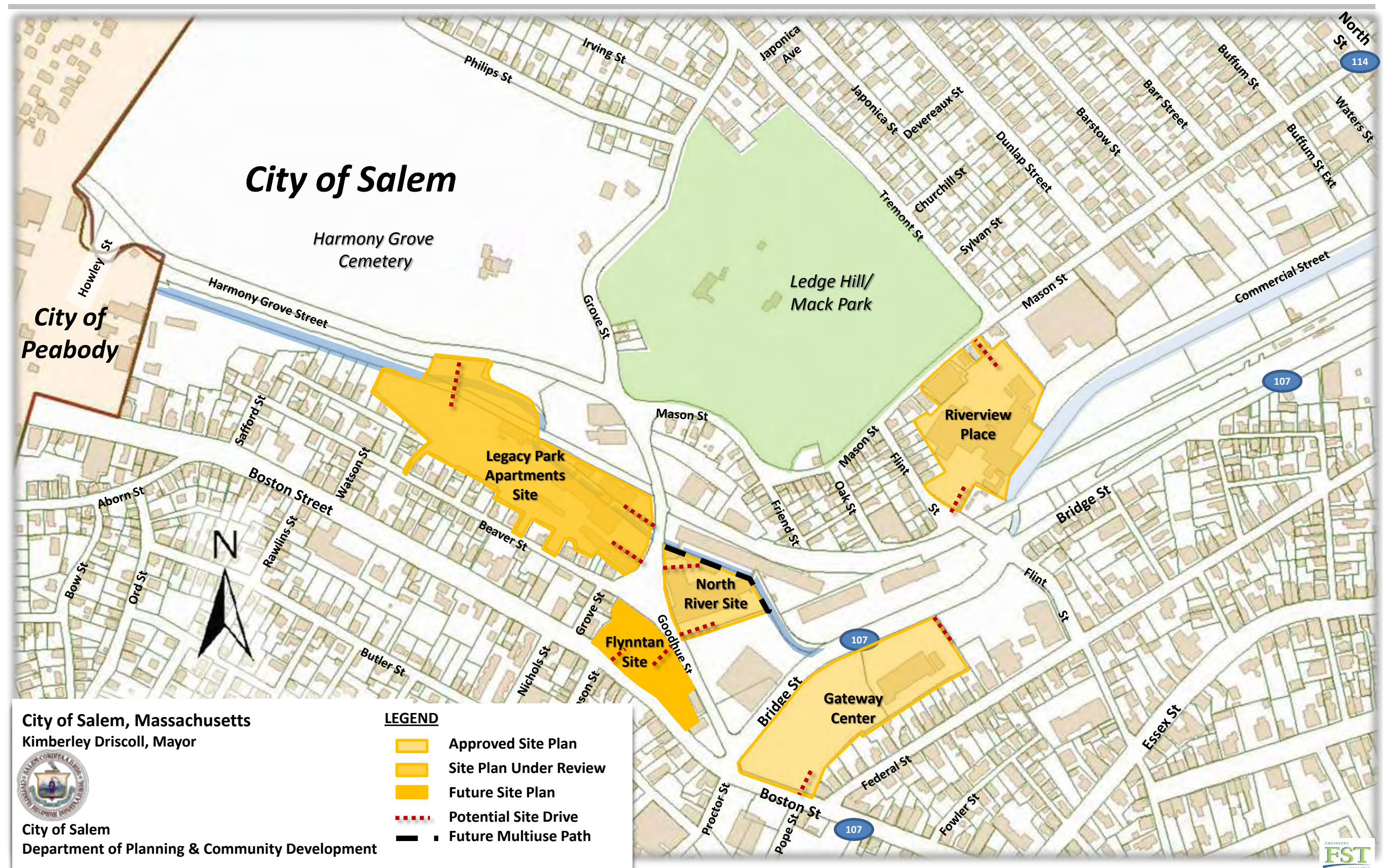


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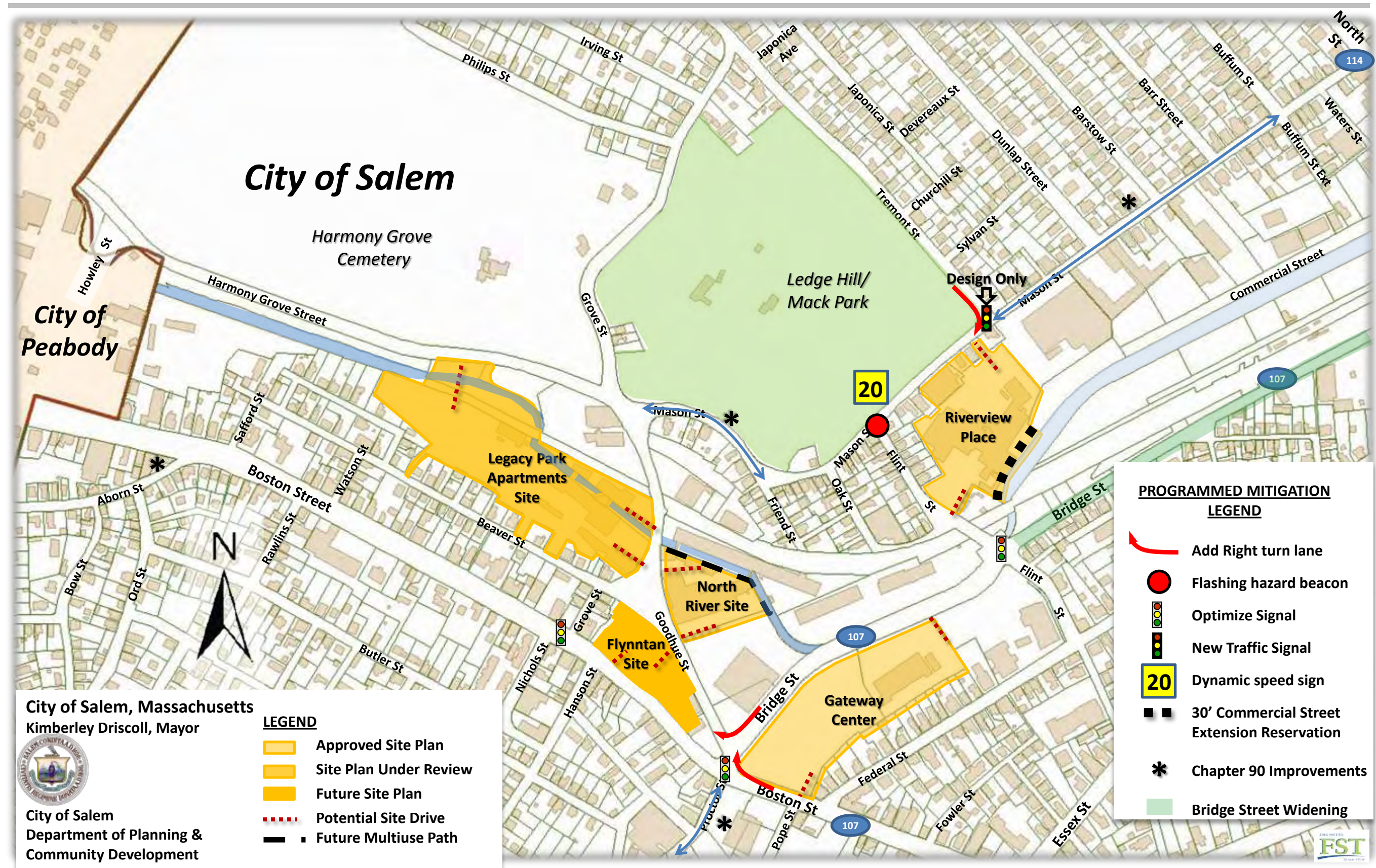


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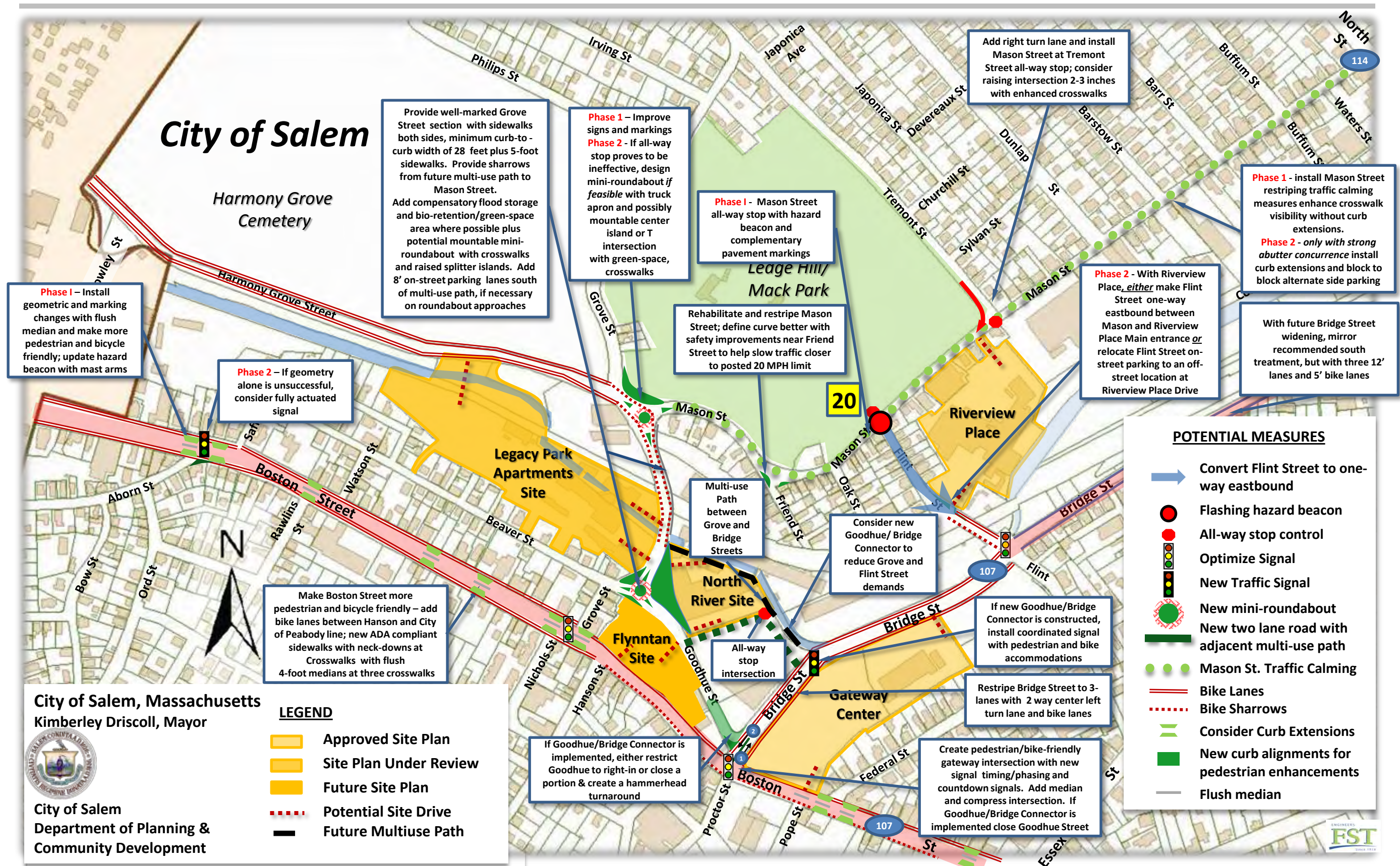
Key Redevelopment Parcels



Programmed Mitigation



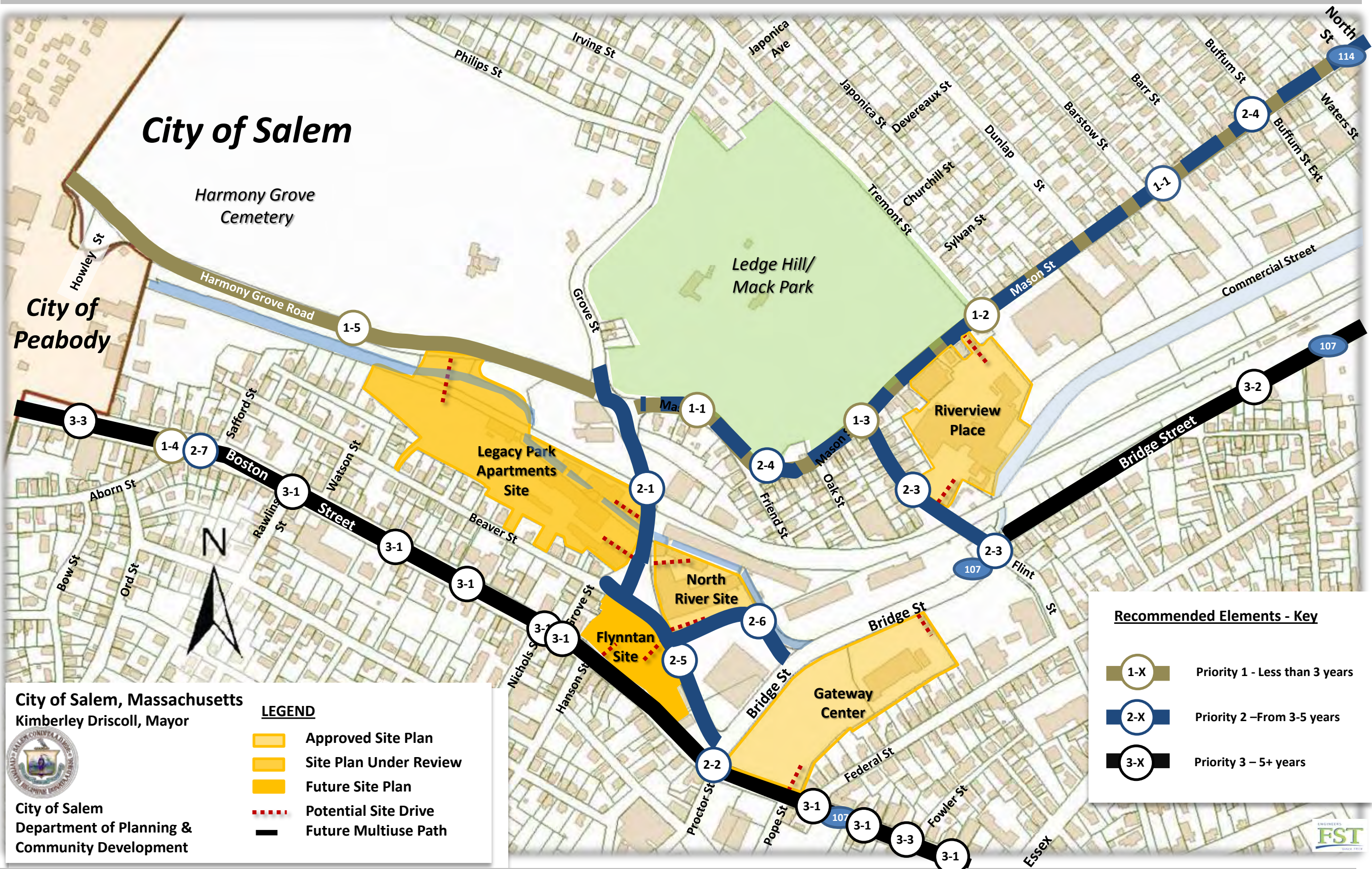
Preliminary Recommendations Overview



5-10 year Horizon Modifications

North River Canal Corridor Transportation Plan

Suggested Implementation Overview



NRCC Transportation Study Recommendation Elements

Preliminary Order of Magnitude Costs

<u>Priority</u>	<u>Location</u>	<u>Projected Low Cost</u>	<u>Projected High Costs</u>	<u>Action</u>
1-1	Mason Street Traffic Calming - 1	\$20,000	\$30,000	Striping/markings/signs
1-2	Tremont /Mason Streets	\$40,000	\$60,000	Pavement repair, southbound lane & all way stop with crosswalk enhancements
1-3	Flint Street/Mason Streets - 1	\$75,000	\$90,000	All-way stop with hazard beacons and minor geometric modifications
1-4	Aborn /Boston Streets (Excluding signal)	\$80,000	\$120,000	Geometric modifications without signalization
1-5	Harmony Grove Road shoulder bike lanes	\$20,000	\$30,000	Add bike lanes both sides

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NRCC Transportation Study Recommendation Elements

Preliminary Order of Magnitude Costs

<u>Priority</u>	<u>Location</u>	<u>Projected Low Cost</u>	<u>Projected High Costs</u>	<u>Action</u>
2-1	Grove Street between Mason and Goodhue Streets	\$440,000	\$550,000	Add new sidewalk/bike/greenspace and potential mini-roundabout enhancements
2-2	Bridge Street/Boston Street intersection modifications	\$200,000	\$300,000	New median with walk-ADA-friendly crossings and signal modifications.
2-3	Flint Street/Mason Streets - 2 plus Flint Street one-way /Riverview access	\$170,000	\$250,000	Geometric modifications plus sign/signal modifications striping changes
2-4	Mason Street Calming - 2	\$300,000	\$450,000	Miscellaneous improvements with new concrete sidewalks

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Preliminary Order of Magnitude Costs

<u>Priority</u>	<u>Location</u>	<u>Projected Low Cost</u>	<u>Projected High Costs</u>	<u>Action</u>
2-5	Goodhue Street between Beaver and Bridge Sts.	\$230,000	\$350,000	Add new greenspace sidewalk/bike/geometric changes and potential mini-roundabout
2-6	New Bridge Street - Goodhue Street Connector w/multi-use path²	\$600,000	\$800,000	Add 26-foot road with 10-foot multiuse path and signal at Bridge/Connector
2-7	Aborn Street/Boston Street (with Signal)	\$100,000	\$150,000	Full traffic signal control

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<u>Priority</u>	<u>Location</u>	<u>Projected Low Cost</u>	<u>Projected High Costs</u>	<u>Action</u>
3-1	Boston Street Cross walk enhancements	\$350,000	\$450,000	Curb extensions, required drainage/utility, median work
3-2	Bridge Street - Flint to Boston (excludes Boston/Bridge Intersection)	\$25,000	\$35,000	Remove existing markings; add new markings and bike lanes
3-3	Boston Street Corridor Essex Street to Peabody line	\$7,000,000	\$9,000,000	New pavement and sidewalks with new pavement markings/bike circulation/streetscape/lighting and traffic signal enhancements

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NRCC Transportation Study Recommendation Elements

Preliminary Order of Magnitude Costs - SUMMARY

Priority Category	Low	High
Subtotal Priority 1 (Less than 3 years)*	\$235,000	\$330,000
Subtotal Priority 2 (3-5 years)*	\$2,480,000	\$3,400,000
Subtotal Priority 3 (5+ years)*	\$7,375,000	\$9,485,000
Grand Total - All Actions	\$10,090,000	\$13,215,000

* Measures should be coordinated with development activities. Does not include land easement or acquisition costs or programmed Bridge Street widening between Flint and North Streets assumed to be implemented within the next 10 years. It is recommended that ***design of those plan elements approved by the City for action*** begin as soon as possible.

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Next Steps

- **Adjust priorities based on comments received**
- **Prepare report**





Planning Board and Public Comments/Questions

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