

# Tatnuck Square - Worcester

TRANSPORTATION IMPROVEMENTS  
ROADWAY & SIDEWALK RECONSTRUCTION

2014

City of Worcester  
Department of Public Works & Parks

# PLEASANT ST. CONGESTION



Tatnuck Square - TIP



# WHY ARE WE DOING THIS?

## GOALS

- Reduce Congestion
- Reduce Accidents
- Improve Pedestrian Accommodations
- Improve Handicap Accessibility
- Reduce Greenhouse Emissions

## APPROACH

- New Traffic Signal Equipment
- Connect Traffic Signal Systems
- Eliminate 1 Traffic Signal on Pleasant St.
- Re-assign traffic lanes on Mower St.

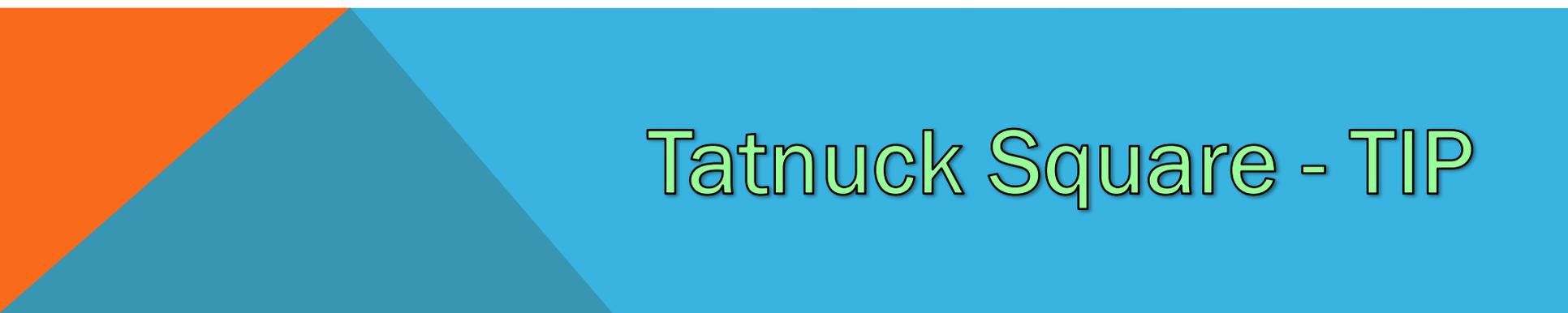
# HOW DID THIS GET STARTED?

## MASSDOT – EAST WEST CORRIDOR PROJECT

Tatnuck Square is part of a system of connected roadways. Pleasant Street is a major thoroughfare crossing Worcester and connecting adjacent towns.

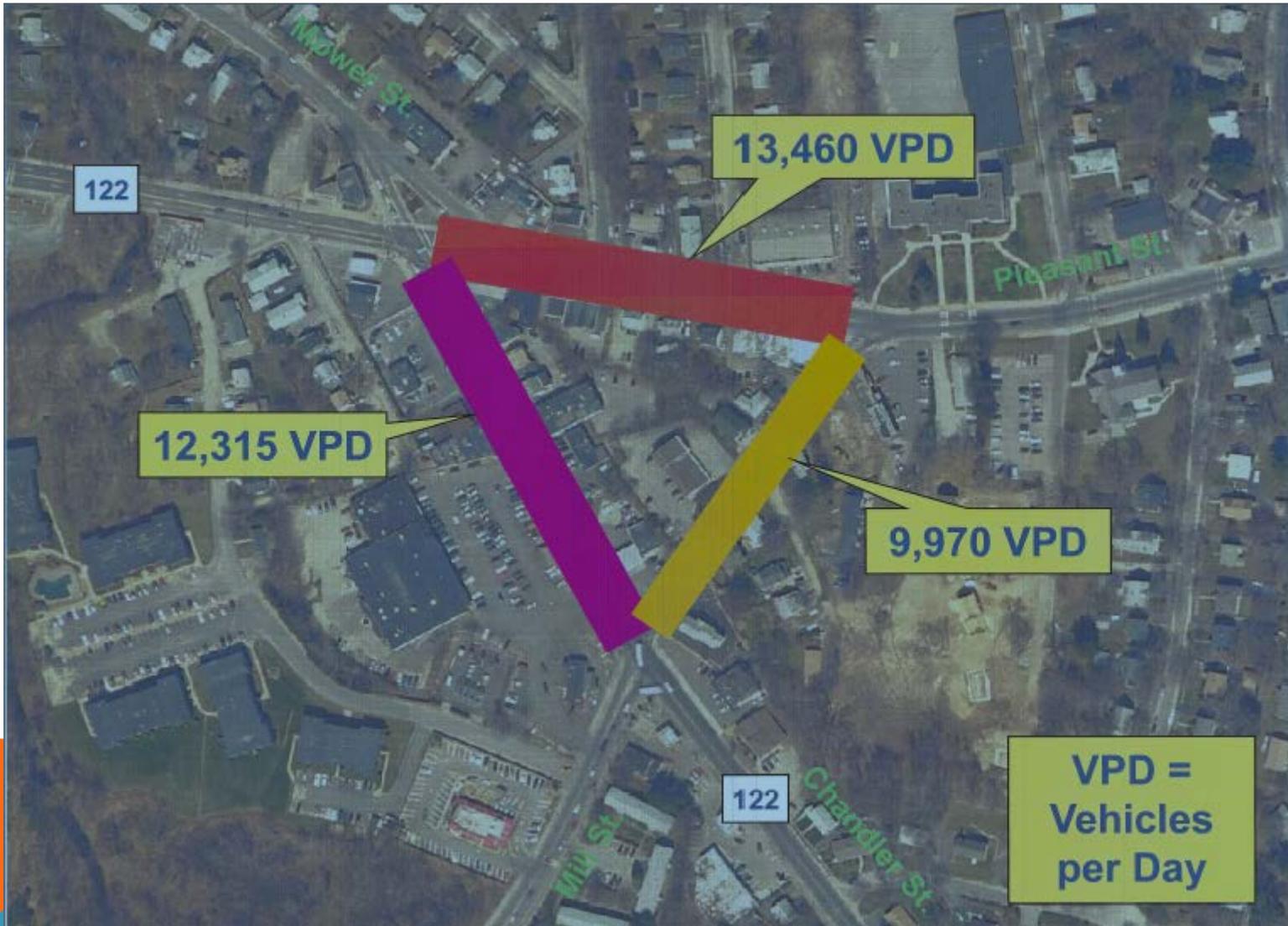
In 2008 MassDOT examined various transportation paths crossing the City. The Highland/Pleasant corridor was determined the highest priority.

MassDOT produced plans to improve 18 locations along this corridor. At this time, funding is available for only six locations, including Tatnuck Square.



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# CONGESTION



Based latest available data (2001-2003). Estimates show +2 percent annual growth in traffic since.

# PUBLIC SAFETY



SOURCE: Three years of data collected from WPD & Mass Registry

# MOTOR VEHICLE ACCIDENT RATES

STATEWIDE CRASH RATE

(MEV - Per Million Entering Vehicles)

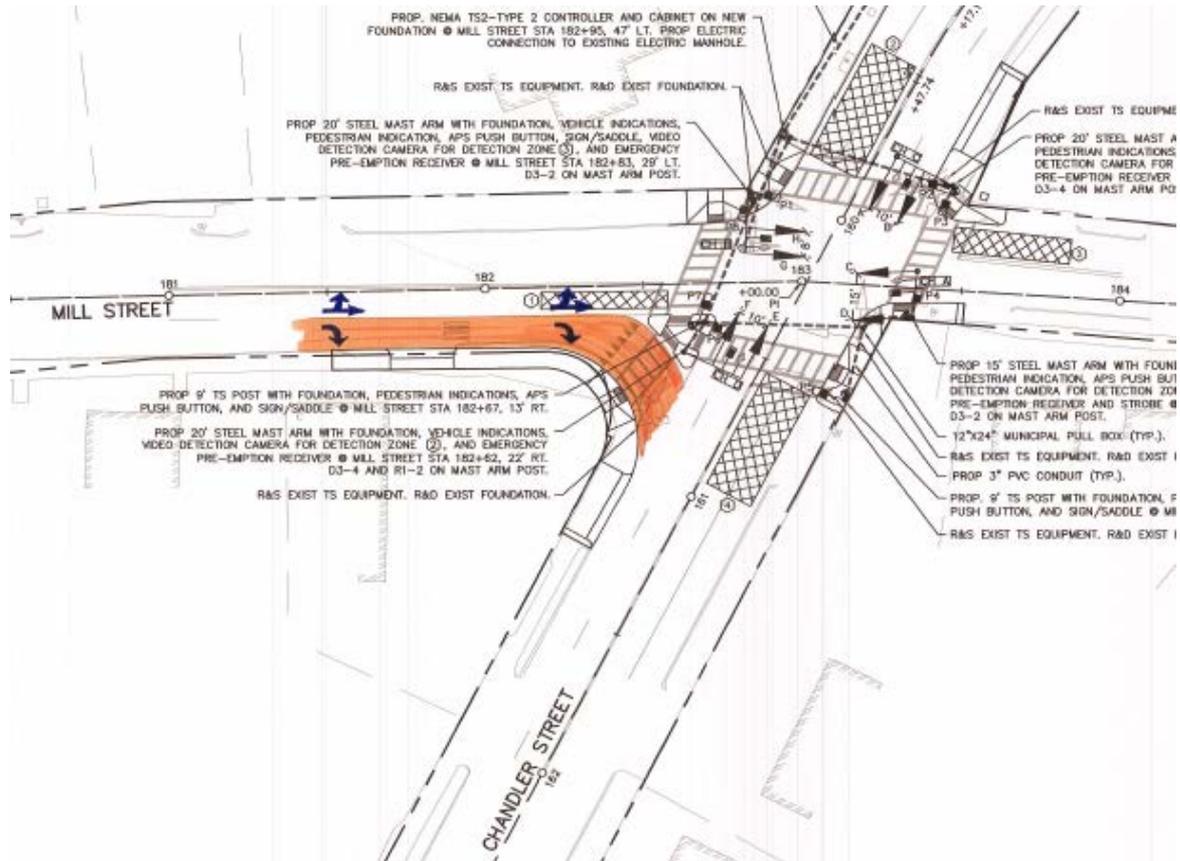
TATNUCK SQ. CRASH RATE

(MEV - Per Million Entering Vehicles)



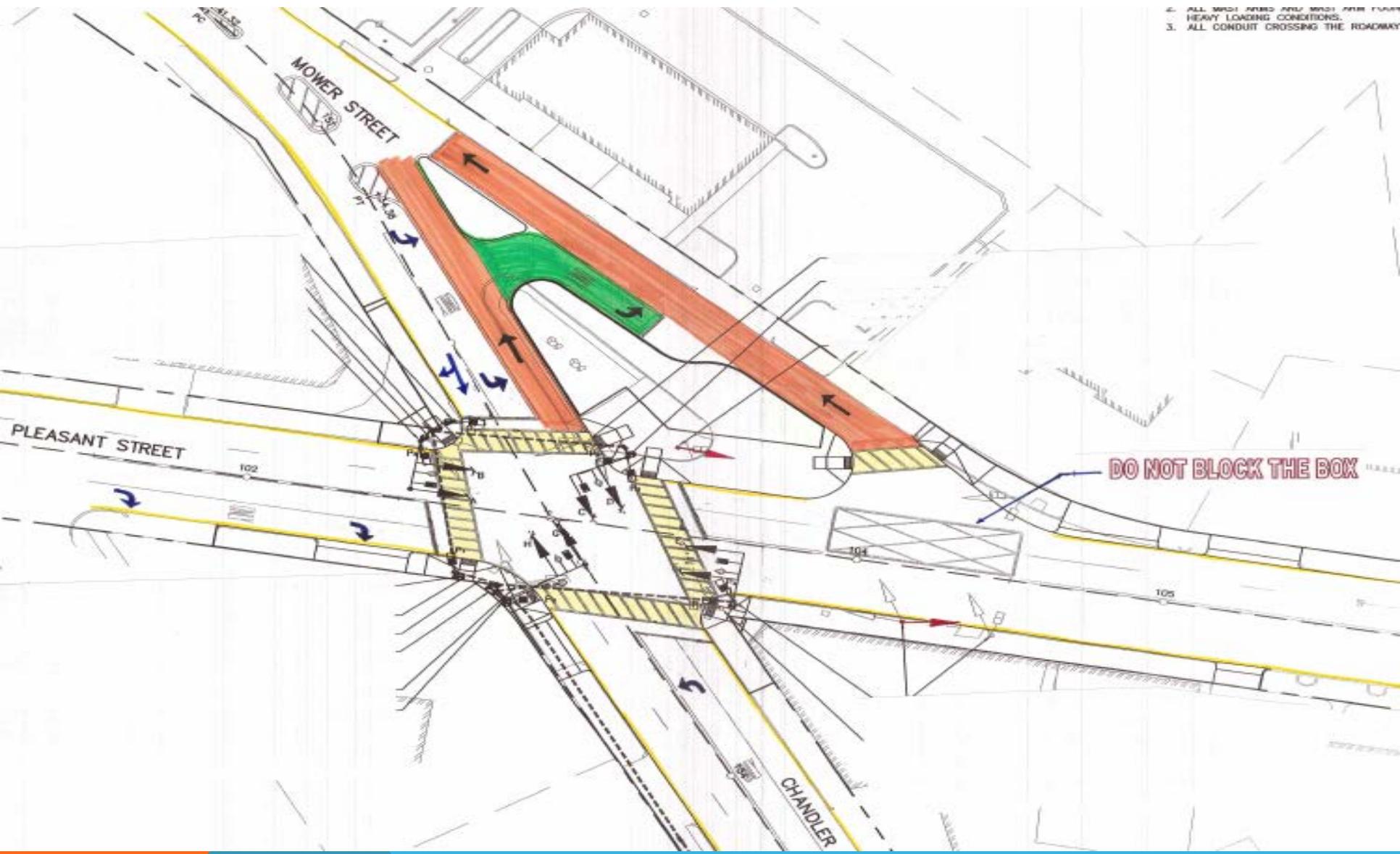
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# CHANDLER ST. AT MILL ST.



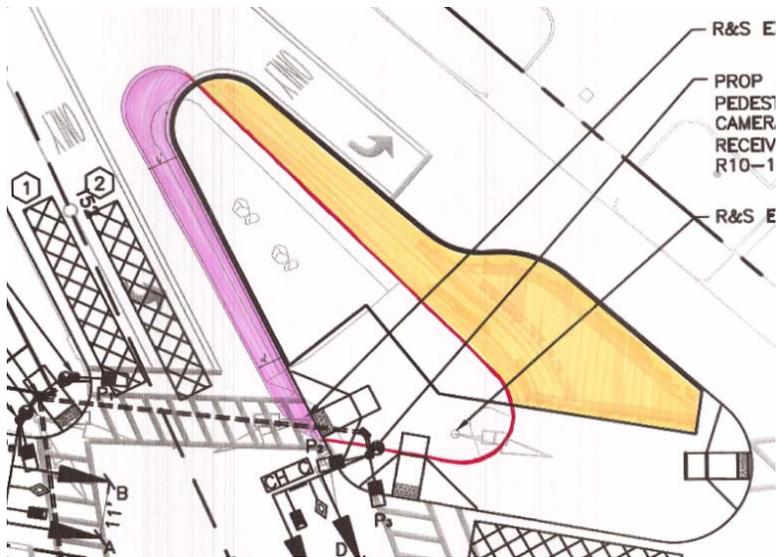
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- 2. ALL WORK AREAS MUST BE FULLY PROTECTED FROM ALL TRAFFIC UNDER ALL WEATHER CONDITIONS.
- 3. ALL CONDUIT CROSSING THE ROADWAY

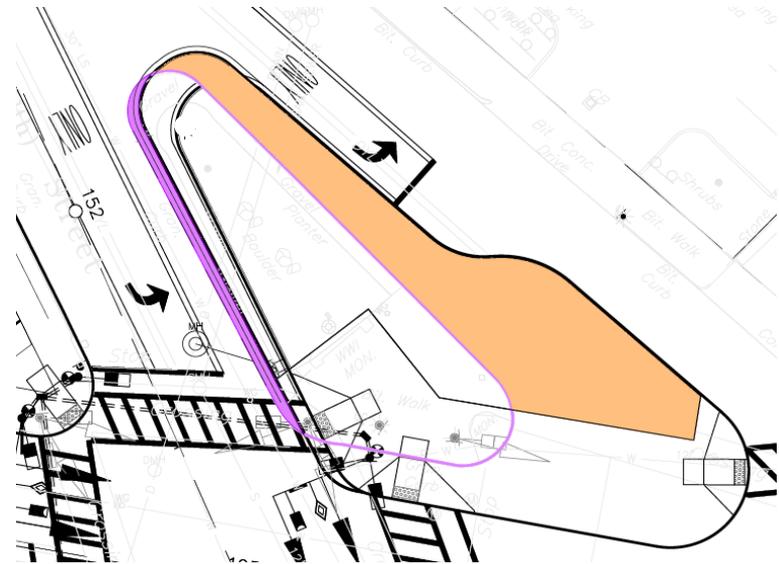


# WHITAKER SQ. ISLAND REVISION - COMPARISON

MAY 2014 ISLAND DESIGN



CURRENT ISLAND DESIGN



- Purple represents existing island area to be removed.
- Yellow represents new island area available for hard or soft scape.

Maximum of 3 feet of island will be removed

The City is offering to work with the neighborhood to plan new landscaping.

# LISTENING TO PUBLIC INPUT

## PUBLIC COMMENT

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- Objections to loss of 23 metered parking spaces.
- School objects to travel lanes too close to school
- Objections to loss of traffic island vegetation
- Request to maintain signals at southern entrance to Mower St.

## CHANGES TO PLANS

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- Parking is maintained except for 2 spaces.
- Additional lanes are eliminated
- Mower St. design is altered to maintain landscaping
- Lights are maintained. Signal is changed to a stop light

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# FREQUENTLY ASKED QUESTIONS 1 OF 3

Q: Will the Memorial of the time capsule be eliminated, moved or distributed in any way?

A: No.

Q: Will the Island landscaping be disturbed ?

A: The vegetation on the traffic island will not be disturbed.

Q: Can the traffic signals on Pleasant St. at Mower St. (near Gerardi's) remain in place to allow a left turn into Mower St. ?

A: Yes.

Q: Will the parking spaces in Tatnuck Square be affected ?

A: Only two curbside parking spaces on Chandler St., in front of Dunkin Donuts, will be eliminated to improve traffic flow.

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# FREQUENTLY ASKED QUESTIONS 2 OF 3

Q: Why is the traffic island being altered ?

A: 31 feet is needed to accommodate three lanes of traffic. The only way to gain enough roadway is to SLIGHTLY alter the existing island (by no more than three feet) and the sidewalk on the opposite side.

Q: Can the design include exclusive left turns from Mill onto Chandler ?

A: No. There is insufficient roadway width to provide additional left turn lanes.

Q: What roadways and sidewalks will be improved ?

A: All of the roadway surfaces and sidewalks within the project limits will be improved.

Q: What pedestrian crosswalks are being eliminated or added ?

A: Only one crosswalk is eliminated, from #1123 to #1126 Pleasant Street (north-south).

# FREQUENTLY ASKED QUESTIONS

3 OF 3

## MassDOT Funding - \$1.2m

Q: Why is MassDOT funding this project ?

A: This location is part of the East West Corridor plan.

Q: Can we use the funds for other projects ?

A: No. The State's agreement is for improvements at Tatnuck Square only.

Q: Can we use the funds for new signal equipment only ?

A: No. Upgrading the signal equipment alone will not significantly reduce congestion or reduce motor vehicle accidents.

# PROPOSED CONSTRUCTION SCHEDULE

Task	Start	Complete
Order Traffic Signals	June 23	90 day delivery
CHANDLER ST. SIDEWALKS	July 7	August 8
PLEASANT ST. SIDEWALKS	July 28	August 15
MOWER (including Island)	August 11	September 5
CHANDLER at MILL	September 1	September 26
PLEASANT at CHANDLER	September 22	October 17
TRAFFIC SIGNALS INSTALL	October 13	November 21
MILL & OVERLAY PAVEMENT	November 17	November 28

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# QUESTIONS & COMMENTS