

TRANSPORTATION ALTERNATIVES PROGRAM (TAP)

SUMMARY SHEET

\$1 Million Phase 1

Main Street Pedestrian Safety / Streetscape Reimbursement Grant

SCOPE OF WORK:

LOCATION:

Full Project: Intersection of Lathrop & Washington (Town Hall), to intersection of West Main, North Main & Highland

Phase 1: Morris / Division to Liberty

CONSIDERED ELEMENTS:

- Adequate / decorative street lighting
- Curb & sidewalk improvements
- Improved / decorative traffic signals
- Crosswalk improvements & pedestrian bump-out additions
- Wayfinding & parking signage
- Benches & receptacles

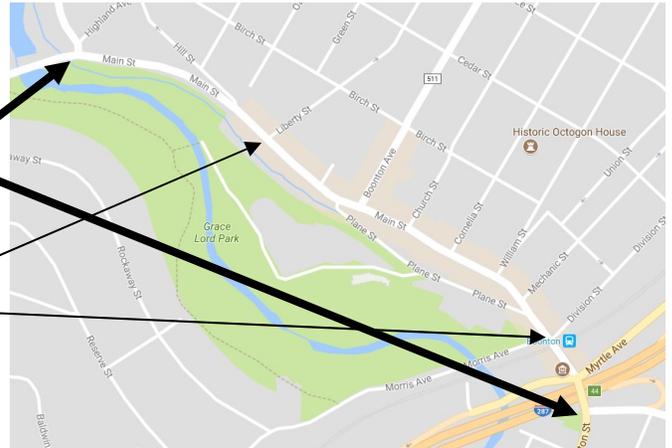
TIMING: Design in 2018 with potential construction start in late 2018 / early 2019

ESTIMATED COSTS:

As a reimbursement grant, the entire amount of approximately \$1.45 million is bonded by the Town then reimbursed by the grant funds. The following is an estimated breakdown of the costs:

Item	Cost	Funding Source
Grant writer	\$90,000	Paid by Town through bond
Project design	\$200,000	Paid by NJ DOT (through an additional grant)
Construction cost	\$1m maximum	Depending on design
Construction Mgt. & Inspection	\$150k - conservative estimate (see page 2)	Option A: TAP Grant funds *Option B: Avalon Bay Funds (<i>AB Grant Concept</i>) *Option C: Paid by Town (*Preserves \$1m for construction only)
Est. Project Cost:	\$1.45 Million	
Est. Boonton Cost:	\$90k	

(see page 2)





STUDY

DENVILLE DOWNTOWN TAP GRANT

Denville Scope of Work & Cost:

Two rounds of grants totaling \$831k gained Denville lights, curbs and a 4ft wide brick utility corridor/sidewalk. The addition of signs, flags, garbage cans, banners, message board, sound system and holiday decorations were all extras paid for through other grants, donations or their general fund / tax dollars.

Denville Project Design:

Denville paid their consultant engineers to design their project at a cost that fell under \$50k. Boonton is having all of our design costs paid for by a state design assistance program up to \$200k.

Denville Construction Management:

The total engineering costs for Denville's construction management and inspection for the Broadway portion of the Denville TAP project was approximately \$50k.

A provision from federal grant standards is that an inspector is required to be on-site whenever the contractor is present (no spot inspections permitted). Without knowing the full design, Boonton estimated three times Denville's amount to be conservative (see Costs table on page one). According to Boswell Engineering (TAP experienced engineer), construction management estimates fall between 10% to 14% of the construction costs (\$100k - \$140k). This further supports Boonton's conservative estimate on page one although without an actual design this is an estimate.

Boswell Engineering Construction Management Comments:

*"Ultimately, the construction cost is a function of the total length of the project and the level of improvement (e.g. decorative sidewalks throughout versus at intersections only). **Value engineering** can certainly reduce costs if required. Value engineering is basically revisiting the initial design and modifying certain components to reduce costs while still achieving the overall project objectives (less expensive fixtures, lower cost construction methods, etc.)."*

More information on the TAP Grant and Design Assistance can be found at:
www.state.nj.us/transportation/business/localaid/alternatives.shtm