



Madison Capital Projects and Construction Progress



DECEMBER 2015



Madison Capital Projects

2015 Recap

Roads – \$1MM contract awarded to Cifelli & Son to complete Ridgedale Avenue. Two rounds of NJDOT Municipal Aid were secured with initial payment of \$330k. \$630,000 in Mill & Overlay contracts awarded to Tilcon, Denville and American Traffic to complete Morris Pl, Danforth Rd, Sherwood Ave, Longview Ave, Candlewood Rd, Fox Chase Rd, Woodland Ave (w) and Noe Ave. Work is punch listed and within budget. Complete Streets received state recognition. NJDOT application for Prospect Street funding assistance completed.

Parking Lots – Waverly Green \$234,000 contract awarded to Adamsville Maintenance Inc to complete drainage, lighting, concrete apron, paving, signage and striping by Bottle Hill day. Work completed on time and within budget.

Buildings – Madison Free Public Library \$649,500 contract awarded to DeSesa for rooftop equipment and ceiling replacement project. Library work is 90% complete, punch listed and anticipated to be within budget. HDM East Wing Grant applications were submitted to both county and state (OSTF).

San. Sewer – Sewer Lining Bid/Award to Entech completed and \$260,000 of work within 6 easements was completed, most notably along the Bayley Ellard railroad easement. Final pump and comminutor installed at Candlewood Pump Station Pipe. Flow monitoring contracts surrounding Green Village Road continued. Last manhole flow monitoring system reinstalled.



Madison Capital Projects

2015 Recap

Storm Sewer – Surveys and preliminary design for Elmer Street Storm Sewer was completed. Belleau Woods culvert grant application with survey/design by Bowman/Omland rejected by FEMA for HazMit funds. Alternate funding or reduced project scope recommended. DPW advanced inlet additions.

Parks/Rec – MRC Trails grant application to NJ NRT program completed (response end of year OSTF). Bayley Field S/R Phase 2 design complete, bid pending (\$200k OSTF). Memorial Park skating rink drainage improvement and soccer field turf replacement in progress (\$75k, 75% complete OSTF).

Electric/Rec – Dodge Field Basketball Lighting replacement contract awarded to Musco in the amount of \$65k and completed by Quality Electric.

Water – Contracts for component repairs at Well E included redevelopment, pump replacement (\$65k AC Schultes), motor removal and new generator purchase (\$150k Falak Const). Both water tanks at Madison and Midwood were inspected by Liquid Engineering and reports generated.

The 2015 work expended \$2.0 MM in 2015 capital budget work, approx \$1.9 MM in carryover capital from prior budgets (2010-2014), and \$125k in OSTF projects.



Madison Capital Projects

2016 Proposals

Road Improvement projects (design-bid-inspect-close) :

- Prospect MA2016 (Woodland to Kings) \$550,000
 - NJDOT local aid funds possible (up to \$250,000)
- Kinney & West, Cross & Cottage, Crescent, Loantaka Terrace \$645,000
- Mill & Overlay locations : \$410,000
 - Parkside & Court, Hillcrest & Highview, Union & Essex, Seven Oaks, MRC Access.
- Roadway maintenance contracts : \$320,000
 - work may include signage, striping, curb, sidewalk, crack sealing and paver replacement.
- 2016 Road Program Proposals = \$ 1.9 MM+
 - (\$1.25MM presented 11/23 balance in Mill, Overlay and Maintenance)



Madison Capital Projects

2016 Proposals

Storm Sewers

Belleau Woods Stabilization permits (\$ 35k)

Elmer Street parallel culvert (\$ 30k) final design

Spring Garden Stabilization Ph 4 NJDEP permits (\$ 30k)

NJT Railroad Culvert arch lining projects (\$50k each)

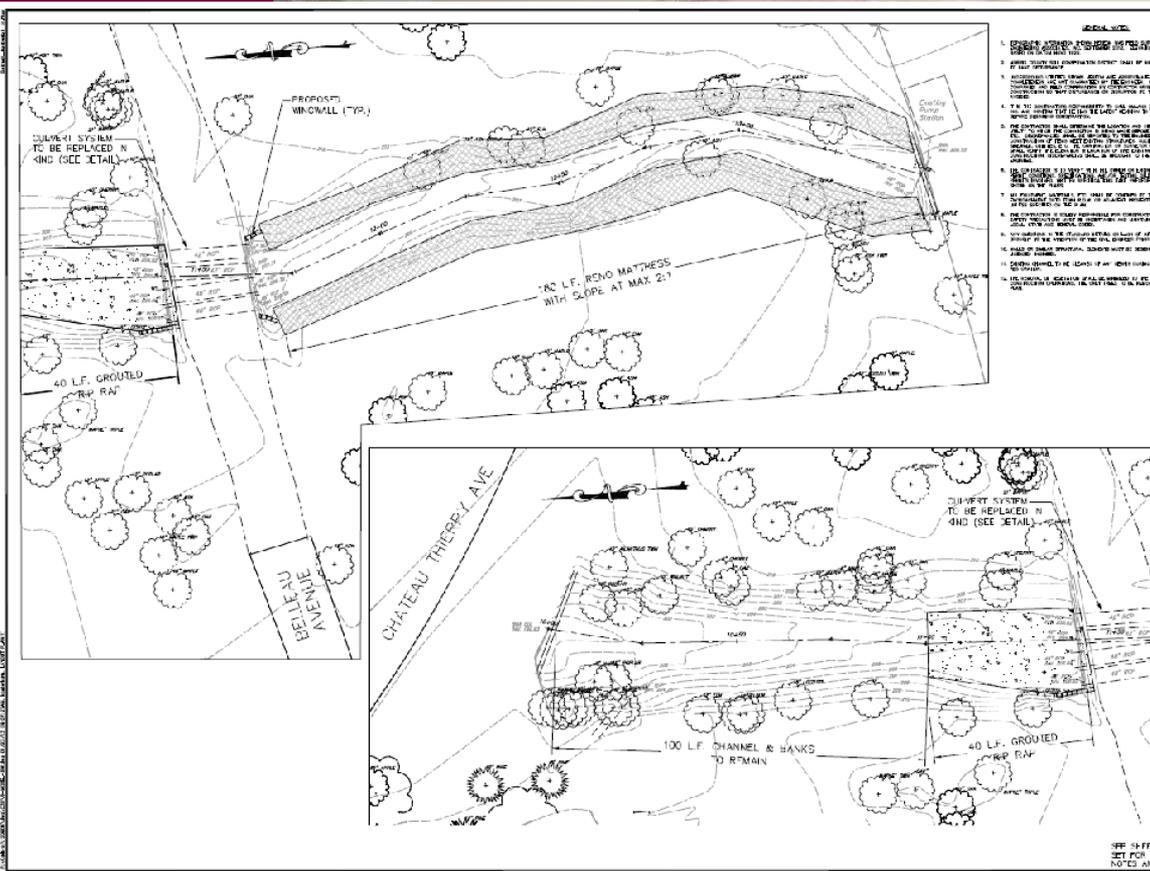
Green – Kings Intersection Pipe Redesign

Single Street drainage improvements (\$ 50k) including Bardon, Laurel, Seven Oaks, Central, Park Lane etc.



Madison Capital Projects Conditions

Storm Sewers Belleau Woods Stabilization (\$350k)



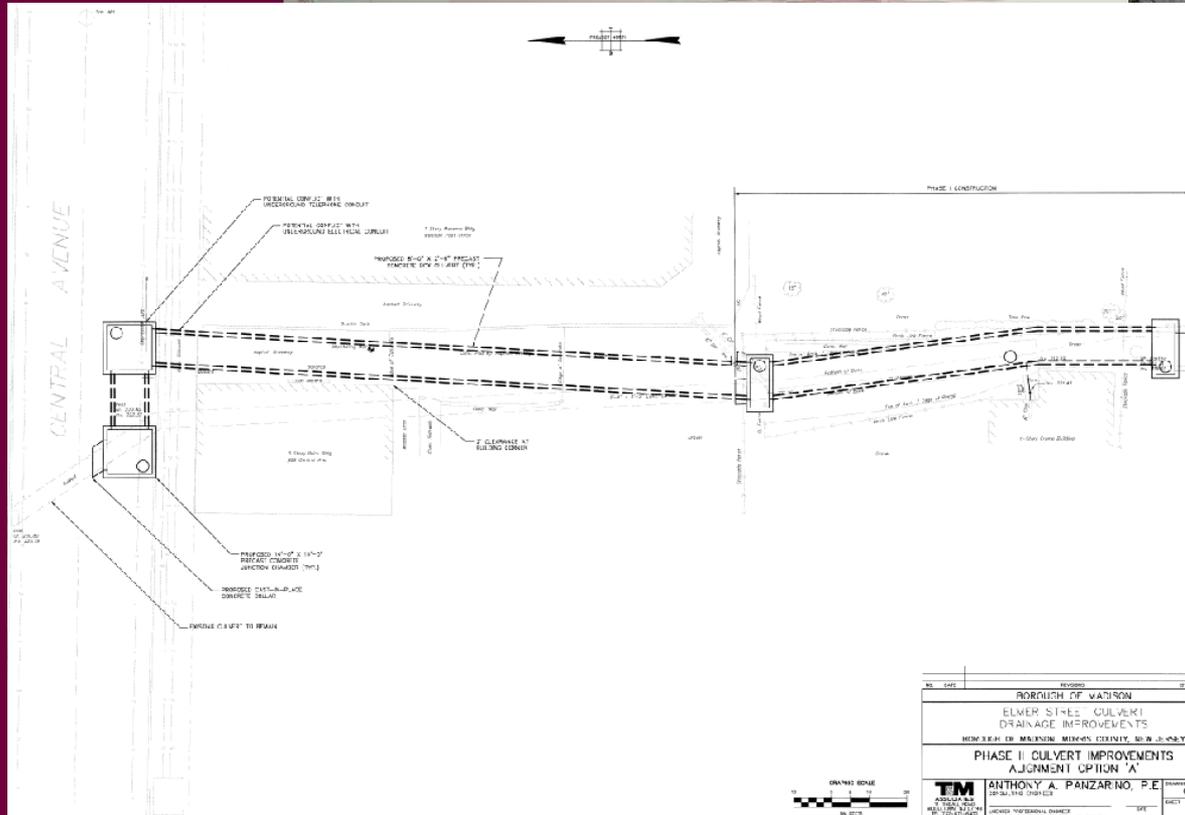
OMLAND
 PRELIMINARY
 RESTORATION PLAN
 SHEET NO. 2 OF 6
 12/10/2015





Madison Capital Projects Conditions

Storm Sewers Elmer Street parallel culvert (Permits)

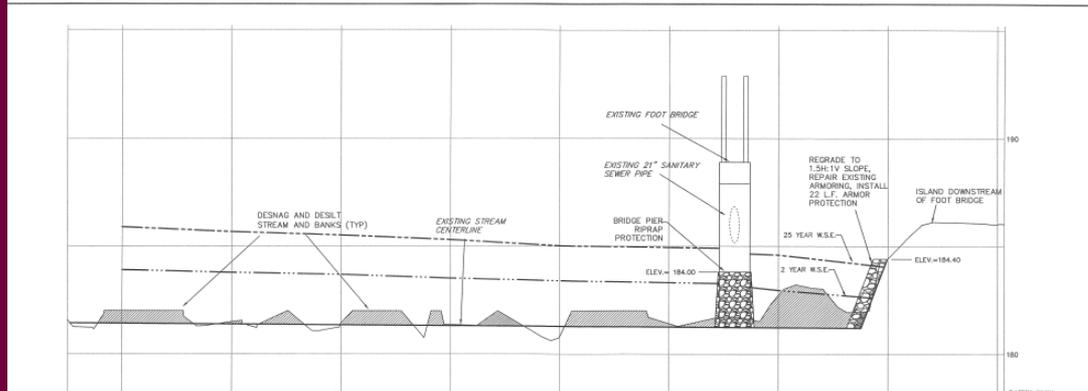
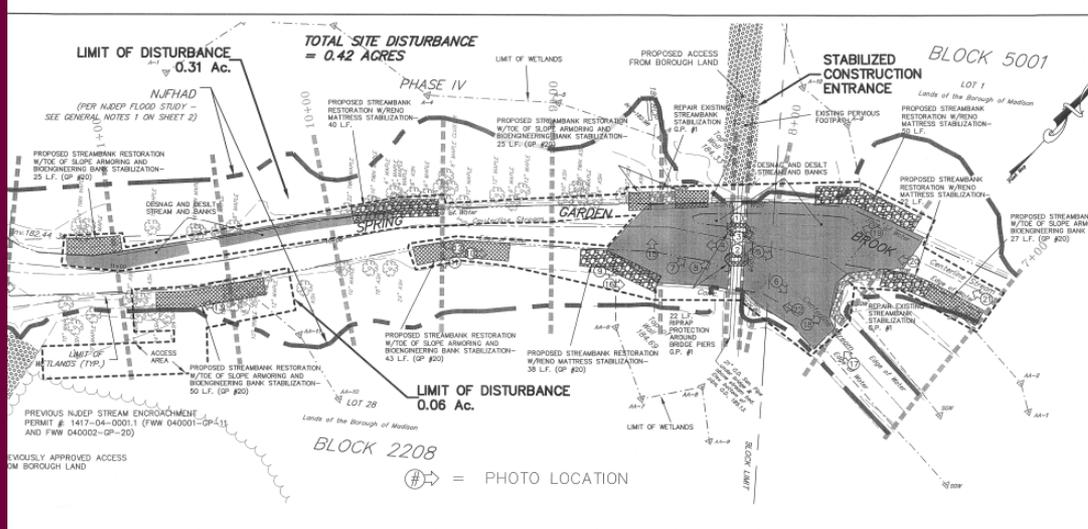




Madison Capital Projects Conditions

Storm Sewers

Spring Garden Stabilization NJDEP permits (\$ 30k)





Madison Capital Projects

2016 Proposals

Sanitary Sewers (design-bid-construct)

Pipe Lining and Rehabilitation continues (\$ 100k)

Manhole Lining and Rehab (\$ 50k)

Pump station repairs continue (finish Treadwell pump replacement).

Rebid North Street PS remaining work (Kleinfelder design in progress).

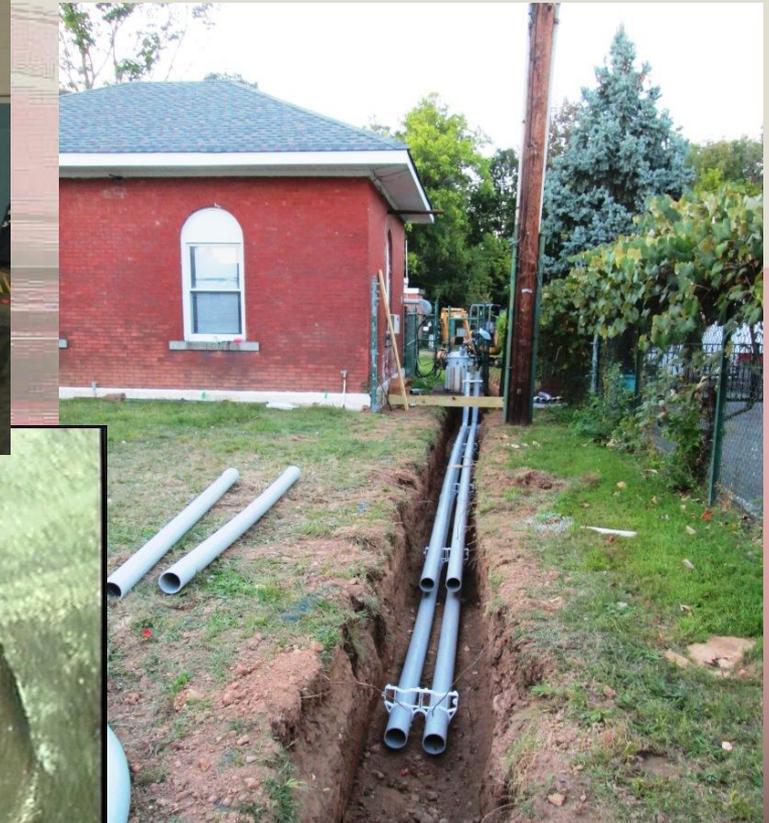
Finalize critical components study (Kleinfelder summaries in progress).

Consider five year rapid video assessment / crack sealing program.



Madison Capital Projects Conditions

Sanitary Sewers





Madison Capital Projects

2016 Proposals

- Water Utility (design /construction projects)
- Lathrop & Gibbons Water Services and Hydrants (\$60k)
- Misc. Road reconstruction related projects (\$240k)
- Update Master Water Main replacement permit w/NJDEP
- Critical component reports (Hatch Mott in progress)
- Followup on Tank Inspection report deficiencies.
- Continue evaluations of SCADA and AMR.





Madison Capital Projects

2016 Proposals

Sidewalks and Curb

Downtown walk replacements (\$100k)

Sidewalk replacement program (\$50k)

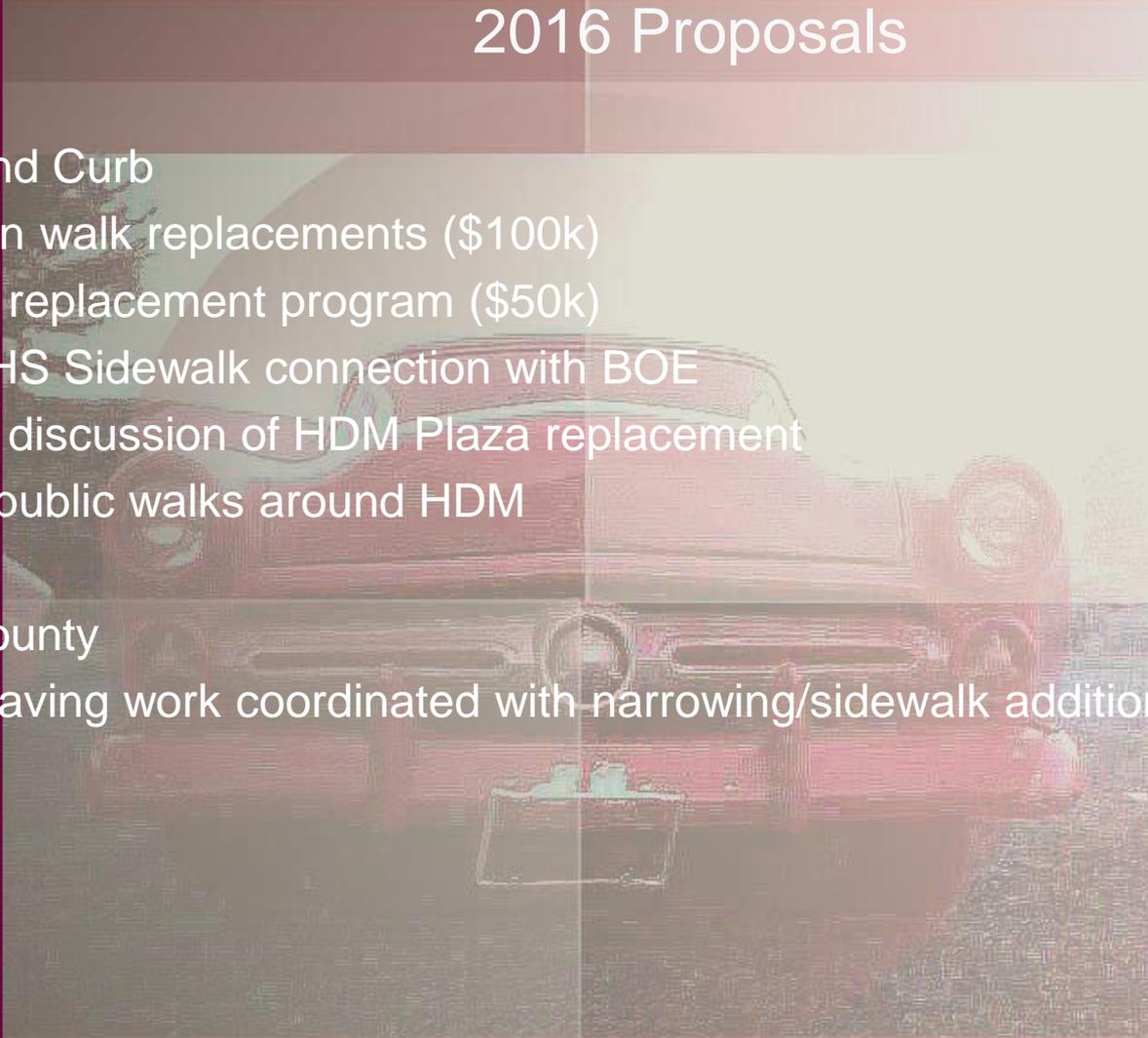
Finish MHS Sidewalk connection with BOE

Continue discussion of HDM Plaza replacement

Replace public walks around HDM

State and County

Central paving work coordinated with narrowing/sidewalk additions.





Madison Capital Projects

2016 Proposals

Buildings

- Hartley Dodge UST area (\$75k environmental services cost)
- East Wing Restoration funding (\$40k restoration plan services)
- Fuel storage capacity improvement (\$80k)
- Alarm / Video evaluations

Parks

- MRC Master Plan projects and DRE paving obligation (\$100k)
- MRC Bleacher installations (OSTF-MRC)
- Bayley-Danforth Fields S/R Phase 2 (\$200k OSTF)
- Bayley-Danforth Restroom installation (OSTF)
- LOI Memorial Park Permit Application (OSTF)



Madison Capital Projects

Summary / Questions

Capital Committee Recommendations (2015)

The Committee has several recommendations regarding Capital Budgeting.:

- First, the Committee recommends that the Capital Budgeting Process should include ongoing consistent investment programs for most asset categories, specifically including Storm Water and Sanitary Sewer Systems and Vehicles and Equipment. This approach would be similar to what has been done with the Roads program over the past twenty years, which has provided a high degree of visibility as to the expected expense, as well as a high level of transparency.
- Second, the Committee recommends that a system of prioritization be established, (or the discussion of such a system at least begun) to aid in the capital spending process. It is clear that if the level of future expenditures is of the magnitude suggested by this analysis, some difficult decisions will have to be made, and not all spending requests will be met. Given the criticality of a number of systems, it is important that not just visibility to the naked eye determine the priority of expense. Suggested prioritization :

Critical: Utilities, Sanitary Sewer System

Very Important: Roads, Storm System, Public Safety, Major Equipment

Important: Buildings, Parks, Other Equipment and Vehicles

- Third, there are a number of large capital assets owned by the Borough that have very long useful lives and high replacement costs. While it may not be possible for current funds to be allocated toward the eventual replacement of such assets, the enhanced visibility provided by this exercise may help to avoid unpleasant surprises in the future.



Madison Capital Projects

Summary / Questions

Suggested Next Steps (2015)

The work to date hopefully will provide the governing body with a landscape of what capital assets are owned by the Borough as well as the potential timing and amount of funding needed to support these assets. Our goal was to provide Council with decision-making tools as difficult budget choices are made currently, as well as for developing program strategies for the maintenance and utilization of Borough assets. Now that a vast data set has been developed, some potential next steps for this advisory committee might include:

- Analyze each asset category in more detail and apply a criticality rating
- Develop a rolling investment program for major systems and projects
- Identify under-utilized assets and explore revenue generation or cost reductions
- Develop an agreed list of extraordinary long term assets and suggest possible strategies for addressing these large capital needs
- Review capital asset programs for concepts that could benefit Madison



Madison Capital Projects

Summary / Questions

The five year capital plans seek to address long range Strategic Planning objectives such as improved knowledge of critical components and distribution of funding across the critical asset base.

Our goals are to manage and expend capital in order to preserve Madison as one of the state's great municipalities to live, work and visit.