

DOWNTOWN ROADS & BEAUTIFICATION PROJECT



**Department of Community Services
Engineering Division
April 30, 2015**

GENERAL OVERVIEW

- **Downtown Completed 2001**
- **Roadway exceeding its usable life**
- **Pedestrian safety**
 - Increased lighting desired
 - ADA deficiencies to be corrected
 - Analysis of pedestrian traffic/trends
 - Crosswalk analysis
- **Metered Parking**
 - Irregular parking space dimensions
 - Space analysis

PROJECT LIMITS



RESEARCH

Towns Visited:

*Trenton

*Pennington

*Hopewell

*Hoboken

*New York City

*Ridgewood

*South Orange

*Montclair

*Maywood

*Ramsey

*Maplewood

*Millburn

*Englewood

*Westwood

RESEARCH

References Used:

The City of Summit Downtown Improvement Plan - 2014

Master Plan Re-examination - 2006

Summit CRBD Master Plan - 2005

City of Summit Master Plan - 2000

Happy City - Montgomery

Elephant in the Bedroom - Hart & Spivak

Walkable City - Speck

SCOPE OF WORK

- **Infrastructure Improvements**
 - Stormwater/Sanitary Upgrades
 - Roadway Resurfacing
 - Signage/Striping
- **Pedestrian Safety**
 - Increased Lighting
 - ADA Compliance
 - Crosswalk Reconfiguration/Installation
- **Downtown Metered Parking**
 - Space reconfiguration
- **Beautification**
 - Greener Infrastructure – Impervious Reduction
 - Wayfinding Signage
 - Decorative crosswalk/pavement treatments

KENT PLACE & SPRINGFIELD UPGRADES



KENT PLACE & SPRINGFIELD UPGRADES



KENT PLACE & SPRINGFIELD UPGRADES



WOODLAND & SPRINGFIELD UPGRADES



WOODLAND & SPRINGFIELD UPGRADES



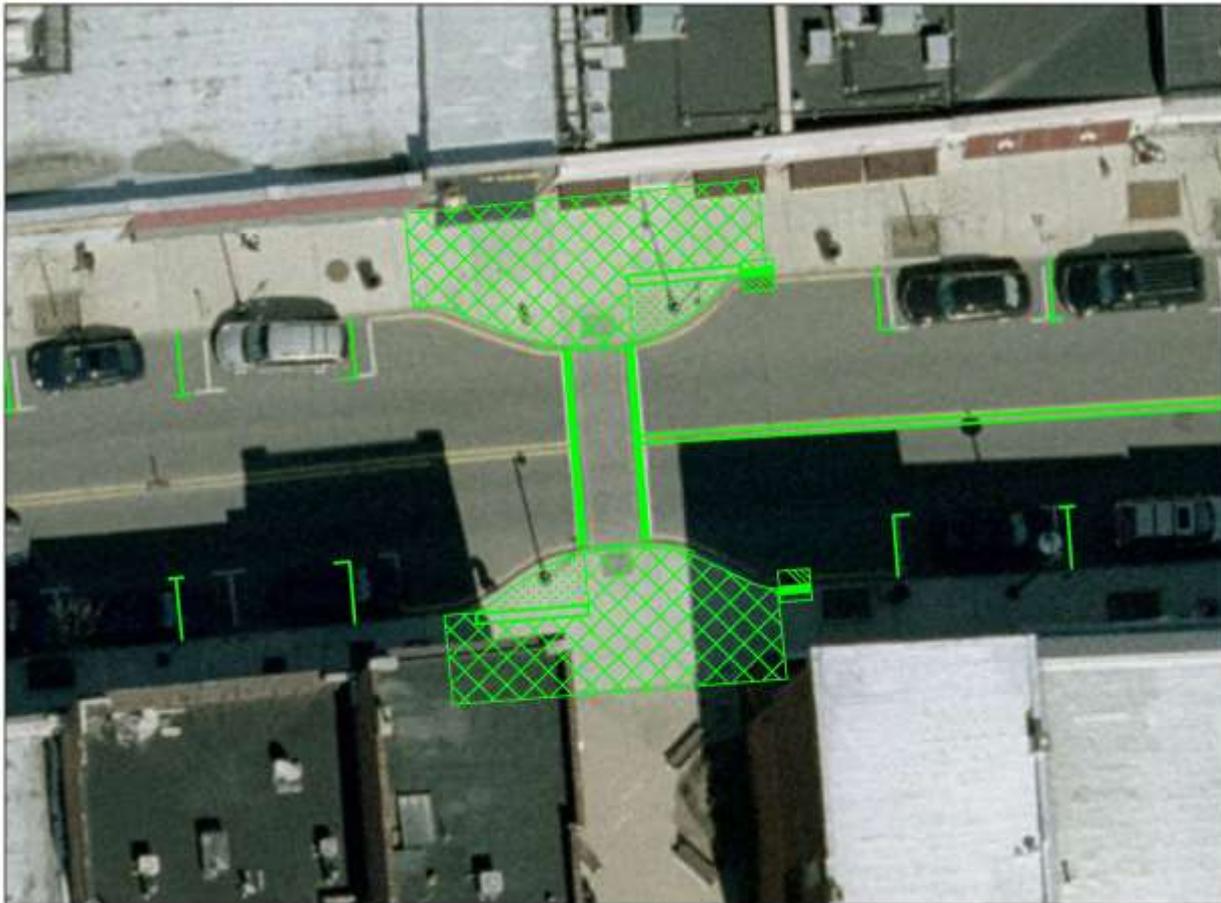
WOODLAND & SPRINGFIELD UPGRADES



PROMENADE AREA UPGRADES



PROMENADE AREA UPGRADES



PROMENADE AREA UPGRADES



LYRIC PARK AREA UPGRADES



LYRIC PARK AREA UPGRADES



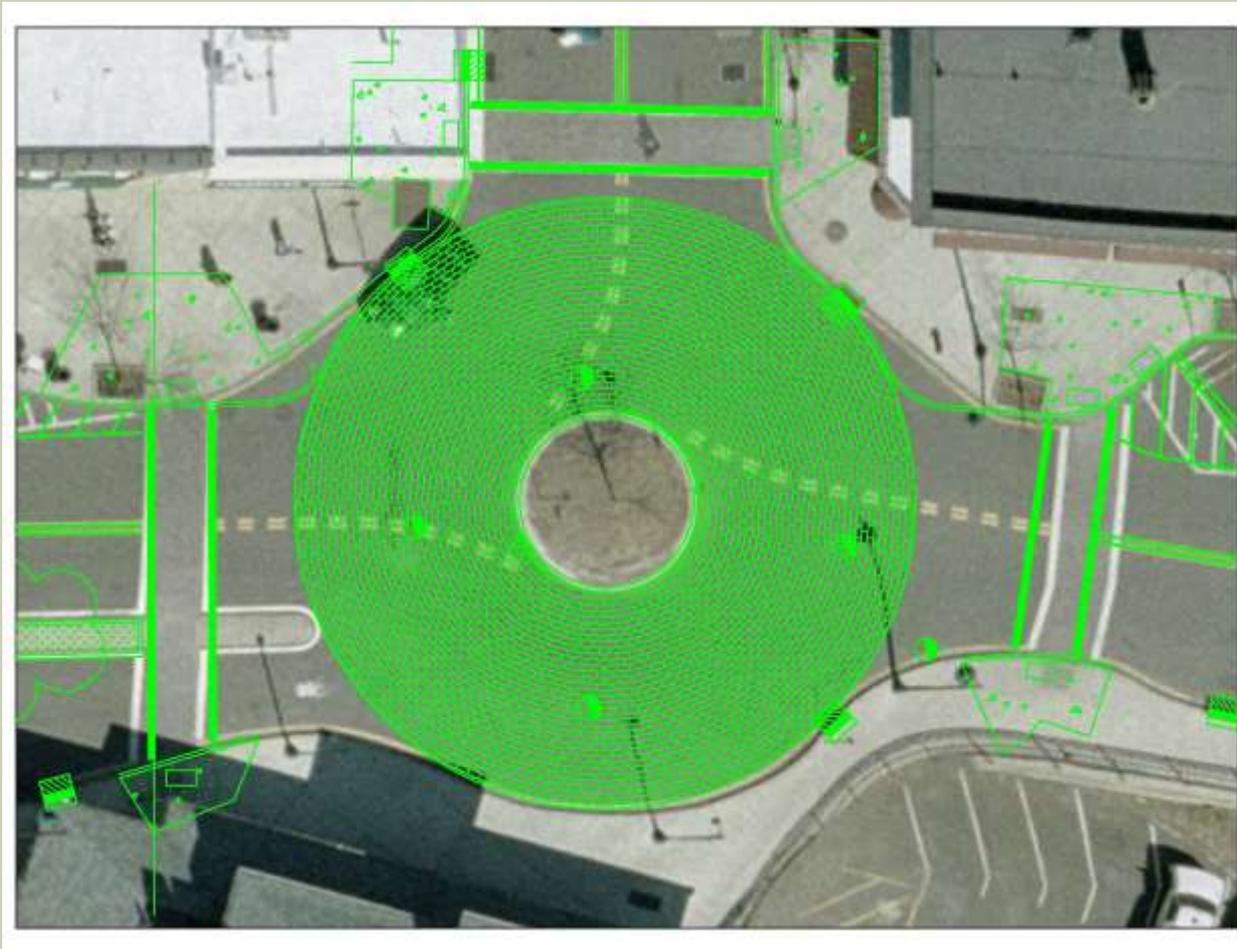
LYRIC PARK AREA UPGRADES



UNION PLACE & TRAIN STATION AREA UPGRADES



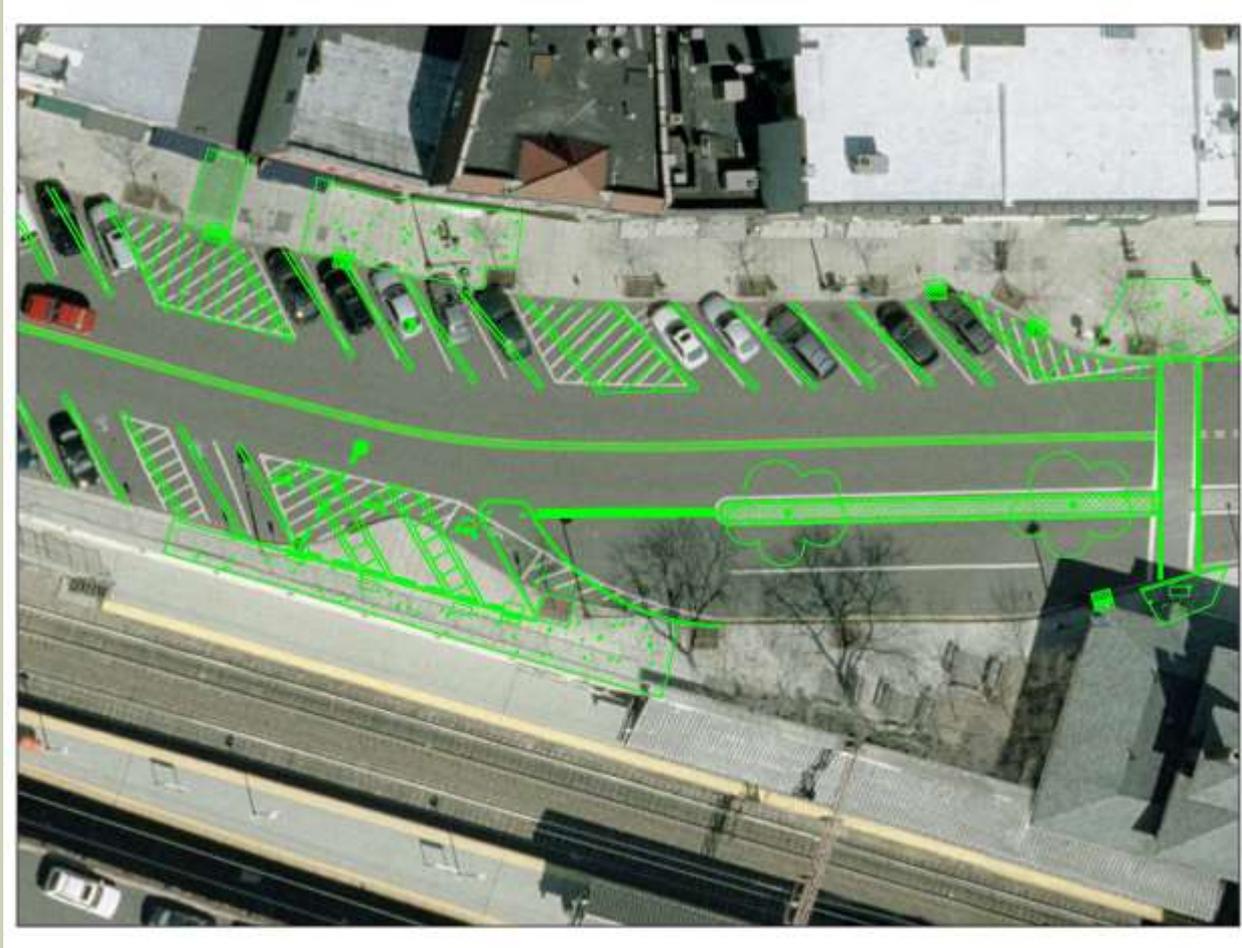
UNION PLACE & TRAIN STATION AREA UPGRADES



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LIGHTING UPGRADES



Convert all existing street light and pedestrian lights to LED fixtures.

DECORATIVE BOLLARDS



WAYFINDING SIGNS



Acorn Finial



Square Post
& Decorative
Base



Gill Sans Condensed:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890!@#%&^*()



ITO, Inc.
Whitehouse Station, NJ

PARKING SUMMARY

- **Existing**
 - 203 Spaces
 - 7 ADA Spaces (7 Spaces Required)

- **Proposed**
 - 218 Spaces
 - 7 ADA Spaces (7 Spaces Required)

- **NET GAIN 15 Spaces**

COST SUMMARY

BASE BID

DESCRIPTION	City Cost	Assessments	SDI Cost	Parking Cost	COST
GENERAL WORK	\$49,200	\$0	\$0	\$0	\$49,200
ROADWAY, CURBING & SIDEWALK	\$797,060	\$95,000	\$0	\$0	\$892,060
UTILITIES	\$58,025	\$0	\$0	\$42,750	\$100,775
TREES AND PLANTINGS	\$6,000	\$0	\$19,750	\$0	\$25,750
DECORATIVE CROSSWALKS	\$0	\$0	\$56,000	\$0	\$56,000
LYRIC PARK IMPROVEMENTS	\$0	\$0	\$31,625	\$0	\$31,625
LED LIGHT UPGRADES	\$98,750	\$0	\$0	\$0	\$98,750
REMOVABLE BOLLARDS	\$0	\$0	\$22,200	\$0	\$22,200
WAYFINDING SIGNS	\$0	\$0	\$111,000	\$0	\$111,000
DECORATIVE PAVEMENT BEECHWOOD (Roundabout & Bank St. Intersection)	\$0	\$0	\$59,075	\$0	\$59,075
SUBTOTAL	\$1,009,035	\$95,000	\$299,650	\$42,750	\$1,446,435
CONTINGENCY 10%	\$100,904	\$9,500	\$29,965	\$4,275	\$144,644
TOTAL	\$1,109,939	\$104,500	\$329,615	\$47,025	\$1,591,079

ALTERNATE BIDS - THESE COSTS ARE ADDITIONAL COSTS TO THE BASE BID

DESCRIPTION	City Cost	Assessments	SDI Cost	Parking Cost	COST
WIFI HOTSPOT & FIBER EXTENSION	\$0	\$0	\$120,000	\$0	\$120,000
SIDEWALK REPLACEMENT ENTIRE LIMITS	\$0	\$0	\$572,000	\$0	\$572,000
ELECTRICAL OUTLETS AT UNION PLACE TREES	\$0	\$0	\$109,500	\$0	\$109,500
DECORATIVE PAVEMENT BEECHWOOD (Entire Length Springfield to Union)	\$0	\$0	\$59,500	\$0	\$59,500
SUBTOTAL	\$0	\$0	\$861,000	\$0	\$861,000
CONTINGENCY 10%	\$0	\$0	\$86,100	\$0	\$86,100
TOTAL	\$0	\$0	\$947,100	\$0	\$947,100

Applied for a grant from Union County

PROJECT SCHEDULE

- Request Authorization to Bid – May 12, 2015
- Receive Bids – June 16, 2015
- Award Contract – June 23, 2015
- Begin Sidewalk/Curb Work – July 14, 2015
- Begin Sewer/Conduit Work – August 3, 2015
- Milling and Paving Work – September 15, 2015
- Complete Striping and Crosswalks – September 30, 2015
- Lighting Upgrades – Completed by October 15, 2015

*Impacted by Scope & Timing

SIDEWALKS

- Sidewalks to be replaced by City
 - ADA Ramps/Compliance
 - Sidewalk realignments/bumpouts
 - 870 SY - \$48,000
- Required sidewalk repairs
 - Damaged (crack, spalled, chipped, uneven)
 - 1730 SY - \$95,000
- Full sidewalk replacement
 - All sidewalk within project limits
 - Additional 10,400 SY - \$572,000
 - Blocks with conforming sidewalks could be kept and would decrease total cost.

TREE WELLS

- **Tree Wells Background**
 - Engineered for tree longevity
 - Average life of a city tree is 7 years
 - Trees thriving (only 2 removals of original plantings)
- **Conflict Reduction Plan**
 - Street border on 2 conflict trees to be removed for evaluation
 - If successful, more potential
- **Tree Grate Alternative**
 - Replacement with flat tree grate - \$5,000
 - Remove existing tree
 - Reform sidewalk
 - New planting
 - Flat tree grate
 - 25 conflict trees = \$125,000
 - 170 total trees = \$850,000

DISCUSSION ITEMS

- **Fiber Extension Throughout the Downtown - \$120,000**
 - Security Cameras
 - WiFi
 - Future Technology
- **Decorative Cobble Pavement**
 - Roundabout - \$45,000
 - Beechwood/Bank Intersection - \$15,000
 - Full width between Union Place and Springfield - \$60,000
- **Electricity within all Tree Wells**
 - Union Place - \$120,000
 - Remaining Trees - \$70,000