HWXP136A
RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS
EAST 166TH STREET TO EAST 171ST STREET

NEW YORK CITY DEPARTMENT OF TRANSPORTATION
NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION
WEIDLINGER ASSOCIATES, INC.
SARATOGA ASSOCIATES
DESIGN OBJECTIVES

- Improve safety by reducing traffic speeds and pedestrian crossing distances
- Adding a 3 foot buffer for the bicycle lane
- Providing added space in the median for pedestrian refuge
- Restoring pavement to good condition which will provide a service life of 20 years
- Improving the overall visual appearance of the roadway
- Improving the urban environment
DESIGN FEATURES

- Widening the medians between the Grand Concourse main road and service roads
- Reconstructing the entire service roadway (8.5” concrete base with a 3” asphaltic concrete wearing course)
- Resurfacing the mainline roadway
- Constructing new steel faced concrete curbs
- Constructing new non-pigmented concrete sidewalks
- Constructing raised concrete medians
- Installing the M-Pole decorative street light and type “M-2” traffic signal with decorative castings
- Sewer and water main rehabilitation
EXISTING CONDITIONS
EAST 161ST STREET TO EAST 166TH STREET

- Bollards for protection
- Continuous Belgian block tree pits
- Raised concrete planters
- Intersections for pedestrian crossing
- Raised concrete planters with dense vegetation
- Raised concrete planters
PROPOSED PLAN

- Shredded mulch, typ.
- New tree, typ.
- Edge of steel-faced curb
- M-pole street light
- Existing subway vent structure with new grate, typ.
- Existing tree, typ.
- Standard concrete, non-pigmented
- Median concrete wall 20" reveal
- Granite block atop structural soil adjacent to median tree pit, typ.
PROPOSED CROSS SECTION
PROPOSED REFUGE AREA
## SCHEDULE AND COST

- **Fiscal Year 2013**
  - Design Completion – anticipated Fall 2012
  - Construction – anticipated start Spring 2013 (2 year duration)
- **Estimate**
  - Total Cost = $23,978,310
    - Highway $13,678,324
    - Sewers and Watermain $4,439,483
    - Traffic and Street Lighting $4,450,263
    - Gas Cost Sharing $268,415
    - Escalation (5%) $1,141,825