Large Scale Mitigation

NJTA Interchange 6 to 9 Widening Project
Brookland Wetland Mitigation Site

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The NJTA Widening Project

Thirty five (35) Miles of Road Widening from Interchange 6 to Interchange 9

Construction Cost of about $2.5 Billion
The NJTA Widening Project

Impacts:
• 123 Acres of Wetlands
• 449 Acres of Upland Forest

Mitigation:
• 300 Acres of Freshwater Wetlands Created
• 10 Acres of Vernal Pool Habitat Created
• 320,000 Trees Planted to Create & Enhance Wetland Forests
• 42,000 Trees Planted to Create & Enhance Upland Forests
NJTA Brookland Mitigation Site

- 412 Total Acres
- 255 Acre Preservation Area
- 157 Acre Restoration Area
- 80 Acres of Wetland Creation/Enhancement
- 6 Acres of Vernal Pool Habitat Created
- 186,000 Trees & Shrubs Planted

AECOM Engineer of Record & Construction Manager for NJTA
NJTA Brookland Mitigation Site

- Flood Plains
- Groundwater
- Water Budget
- Grading

Design
NJTA Brookland Mitigation Site

Flood Plains

Legend
- EG FHA
- WS FHA
- EG 100 year encroac
- EG 100 Year
- WS 100 year encroac
- WS 100 Year
- EG 10 year
- WS 10 year
- Ground
- Bank Sta

Graphic XS Editor
- River: MR-TRIB2
- Reach: MR-TRIB2
- Description: Surveyor's X:10

Bank Station Tools: LB, LB+, RB, RB-

Elevation (ft)
- 110
- 108
- 106
- 104
- 102

Station (ft)
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
NJTA Brookland Mitigation Site

Savannah Plow
NJTA Brookland Mitigation Site
NJTA Brookland Mitigation Site

Post-Construction
NJTA Brookland Mitigation Site

One Year Later
SO WHERE WE ARE NOW?

- Planting was completed September 2013
- It took almost a year to get the as-built survey and punch list items complete
- Five-year maintenance bond to get signed into effect by NJTA August 2014
- First-year monitoring to start end of August 2014
- Preliminary monitoring done late August 2013

*Results showed high mortality rates in some portions of the site where subgrade was not adequately prepared and ground was dry (no rain or irrigation during planting)*

- Water levels look good – wet where it should be and dry where expected
- Maintenance Bond enforcement will be the challenge for the next five years
Thank You

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