



Solving Environmental Issues on a Transportation Project

AGENDA



1. CTfastrak Overview
2. CTFastrak Construction
3. Cedar Street Station Soil Remediation
4. Flatbush Wetland Mitigation



What is CTfastrak?

- Bus Rapid Transit (BRT)
 - Fast, frequent, reliable service throughout central Connecticut corridor
 - Regional connections: NY, Springfield, New Haven, Hartford, Waterbury
 - Connections to Bradley International Airport

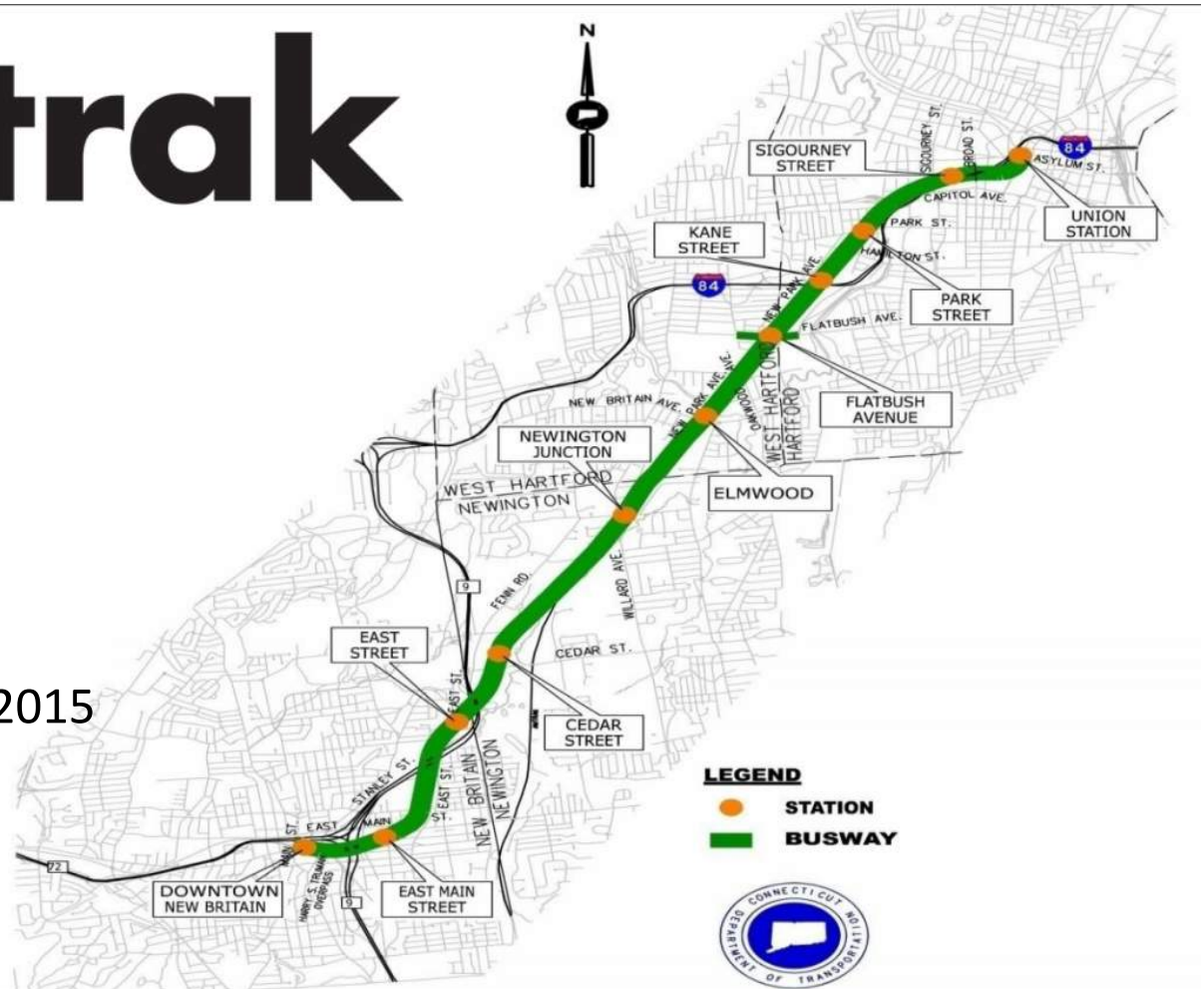
CTfastrak Goals

- Improve transit choice for travelers
- Improve air quality
- Improve transit service for transit-dependent persons
- Immediate and long-term employment benefits
- Improve community livability and quality of life
- Spur economic growth and redevelopment along the corridor with Transit Oriented Development



CTfastrak

- 9.4 Miles
- 10 Stations
- 7 Major Contracts
- Wetland Mitigation
- Most Contracts AWD March 2012
- 3 Year Construction Duration
- Opened for Service on March 28, 2015





Contaminated Soil Management Contract

- Construction, operation and dismantling of 2 Waste Stockpile Areas (WSA)
 - New Britain – 21 Bins
 - Hartford – 23 Bins
 - Farmington WSA added in December 2012 – 5 Bins
- Management and Disposal of Controlled Materials generated by CTFastrak Contracts 1 - 5



Contaminated Soil Management Contract

- Over 500,000 Tons of Material Processed
 - Controlled Material
 - Hazardous Waste
 - Railroad Ties
 - PCB Waste
 - Excess Clean Fill
- July 2013 – almost 45,000 tons of material processed

Cedar Street Station Remediation



- Goal
 - To complete remediation of the site prior to construction
- Obstacles
 - Obtaining State and Federal Approvals
 - Short time frame to complete
 - Time of year
 - Wetlands
 - Overgrown, undeveloped site



Cedar Street Station Remediation



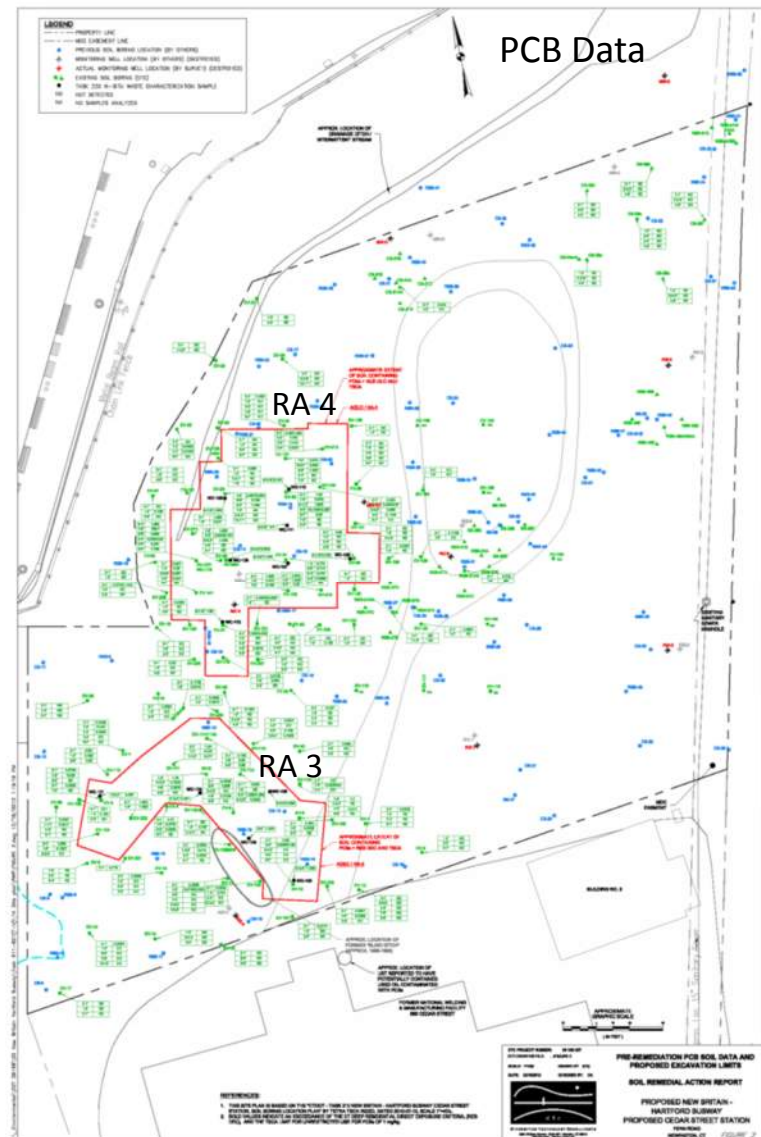
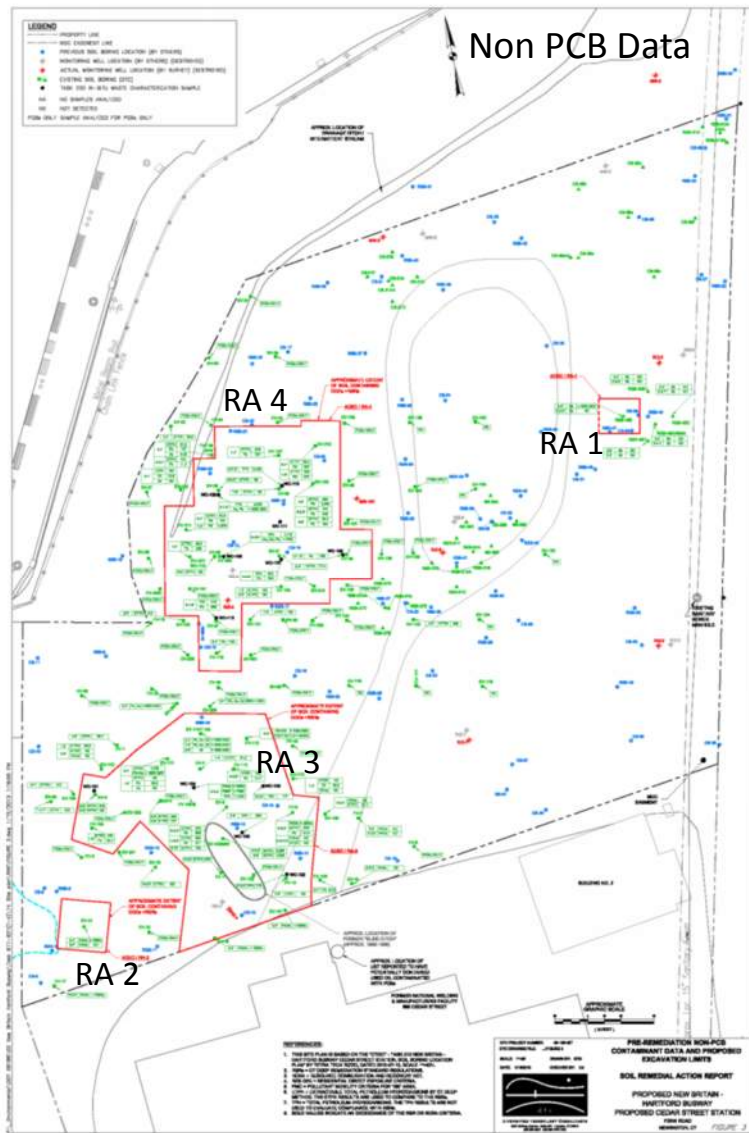
- Former National Welding & MFG Facility located in Newington
 - In operation 1941-1994
 - Parcel purchased by DOT in 2007 was used for storage of debris, metal shavings, scrap metal & disposal of solid and liquid waste.
- PCB Contamination >50 ppm
- EPA & DEEP Coordination Required



Cedar Street Station Remediation



- Self-Implementing On-Site Cleanup & Disposal Plan
 - Submitted July 2011, Revised December 2011, EPA Approval January 2012
 - Requirements
 - Remove all PCB-contaminated soil > 1 ppm
 - Dispose of PCB-contaminated soil \geq 50 ppm at TSCA-approved disposal facility
 - Dispose of PCB-contaminated soil >1 ppm and <50 ppm at a RCRA landfill
 - Conduct verification sampling
- Remedial Action Plan
 - Achieve compliance with RES DEC and GB PMC as specified in the RSRs



Cedar Street Station Remediation



- Mobilized to the Site on December 5, 2011
- Began excavation in RA4 on January 25, 2012





Cedar Street Station Remediation



- Approximately 12,000 tons of contaminated soil excavated and disposed off site
 - 78.39 tons of antimony contaminated soil from RA 1
 - 11,492.93 tons of soil containing PCBs<50 ppm and other contaminants from RAs 2, 3 & 4
 - 97.2 tons of soil containing hazardous cadmium from RA 3
 - 64.88 tons of soil containing PCBs>50 ppm and other contaminants from RA 4



Cedar Street Station Remediation



Remediation completed and contractor demobilized in April 2012



Cedar Street Station



2012



2015

Flatbush Wetland Mitigation



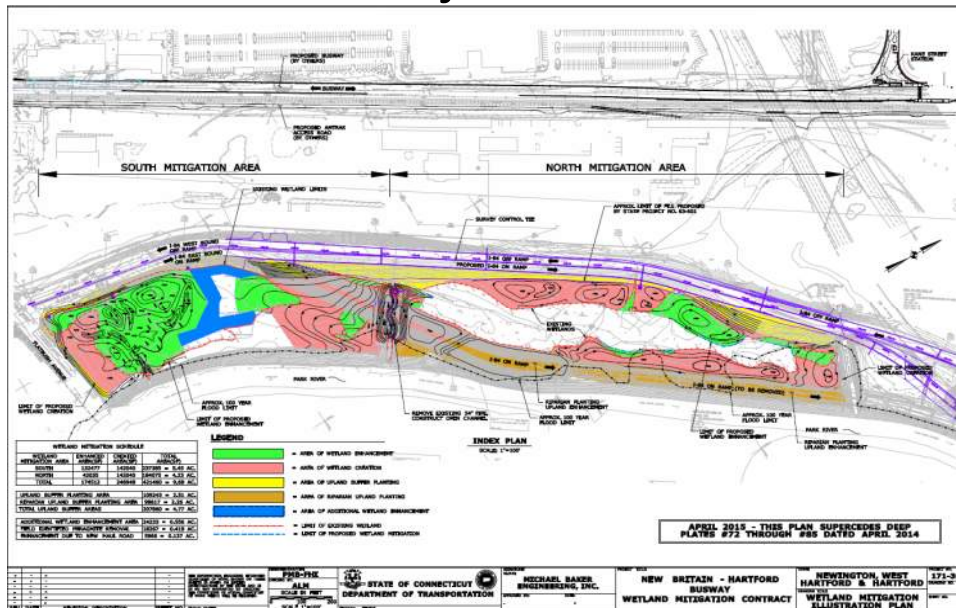
- DOT Project No. 63-601 & 63-674
 - Relocation and Reconstruction of the I-84 on/off Ramps at Flatbush Avenue
 - Wetland Mitigation Site
- Project Start Date: August 5, 2013
- Project Completion: June 28, 2016



Flatbush Wetland Mitigation



- 9.7 acres of Wetland created to compensate for approximately 2.6 acres of wetlands/water areas that were impacted/disturbed during CTfastrak construction
- DOT/DEEP MOA – Pre-Project Invasive Treatment



Flatbush Wetland Mitigation



Invasive Vegetation Treatment



Invasive Vegetation Excavation

Flatbush Wetland Mitigation



Installation of Haul Roads, Excavation, Placement of Topsoil, Boulders, and Wood Debris

Flatbush Wetland Mitigation



Completed Placement of Top Soil, Boulders & Woody Debris



Flatbush Wetland Mitigation



Thank You!

