CONNECTICUT’S EFFORT TO COMPLETE THE EAST COAST GREENWAY

PRESENTER: VITALIJK STAROVEROV, P.E.
CT DOT – HIGHWAY DESIGN
200 SPINE ROUTE MILES

OFF-ROAD  ON-ROAD

90 miles completed
Farmington Canal Heritage Trail
- New Haven, CT to Northampton, MA
- A goal of an 85 Mile continuous bike path.
  - 47 Mile Goal - CT
  - 5 Mile Gap - Plainville
  - **4.7 Mile Gap in Cheshire** – completed (2016-2018)
Designed and Constructed by Town of Cheshire
- Construction Completion 2017

1.5 Miles
Designed By State
- Construction Completion in 2017

2.5 Miles
Designed and Constructed By State
• Construction scheduled to be completed in 2018
CHALLENGES – TRAIL CLEAN UP

BEFORE CLEARING

AFTER CLEARING FOR SURVEYING
• Unauthorized use of the state property
UNAUTHORIZED USE OF CORRIDOR
CHALLENGES – INDUSTRIAL PROPERTY OWNERS ALONG THE TRAIL

BEFORE

AFTER

- Unauthorized use of the state property
CHALLENGES – INDUSTRIAL PROPERTY OWNERS ALONG THE TRAIL

BEFORE

• Unauthorized use of the state property

AFTER

• Chain-link fence installed with privacy slats to enhance trail user experience and eliminate unauthorized use of state property
BRIDGES

- STRUCTURALLY SOUND
- 2' OF BALLAST MATERIAL
- GRAFFITI
- NO PEDESTRIAN PROTECTION
BRIDGE OVER TEN MILE RIVER

BEFORE

AFTER

10/24/2013
BRIDGE OVER WEST JOHNSON AVENUE

BEFORE

AFTER
SAFETY CHAIN LINK FENCE (W/PRIVACY SLATS)

- To enhance trail user experience
- Screen industrial properties
SAFETY – THREE RAIL FENCE

- Protect steep drop offs (2H:1V)
SAFETY – TIMBER RAIL

- Separate trail users from traffic
- At local road crossings to guide trail users
SAFETY - BRIDGE RAIL TRANSITIONS

AVOID LEAVING BLUNT ENDS

Wood Rail along bridges to protect trail users from severe injuries

Curved chain-link fence
TYPICAL TRAIL SECTIONS

2.75" STONEDUST

2.75" HMA PAVEMENT

6" PROCESS AGREGATE BASE

3' DRIANGE SWALES FOR FILL SLOPES
TRAIL AMENITIES

TRASH CANS

DOG WASTE STATIONS

REMOVABLE BOLLARDS

KEY

CHAIN

PICNIC TABLES

BENCHES
PARKING LOT – 77 SPACES
TRAIL AMENITIES

1. ASSEMBLED OFF SITE AND DELIVERED

2. EXCAVATE AND INSTALL SLABS

3. INSTALL COMPOSTING CHAMBER
TRAIL AMENITIES

1. ASSEMBLED OFF SITE AND DELIVERED
2. EXCAVATE GROUND
3. PLACE 6” CONCRETE SLABS
4. INSTALL COMPOSTING CHAMBER
5. INSTALL FULLY ASSEMBLED UNITS
6. GRADING AROUND RESTROOMS
TRAIL AMENITIES

1. ASSEMBLED OFF SITE AND DELIVERED
2. EXCAVATE GROUND
3. PLACE 6" CONCRETE SLABS
4. INSTALL COMPOSTING CHAMBER
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6. GRADING AROUND RESTROOMS

CLIVUS C-11 ADA RESTROOM
TRAIL AMENITIES

- SOLAR PANELS
- VENTILATION FAN
- UNISEX LABELS
- STEEL AND LOCKABLE DOOR
- MAINTENANCE ACCESS LID
- ADA ACCESSIBLE

CLIVUS C-11 ADA RESTROOM
SAFETY - ILLUMINATION

DARK SKY COMPLIANT LIGHTING HELPS WITH BIRD MIGRATION
OVERHEAD TRAIL HEAD SIGNS FOR MAINTENANCE VEHICLE ACCESS

TRAIL SIGNS AT LOCAL ROAD CROSSINGS
Before you lies a small remnant of the Canal Line rail tracks. The short spur represented here was built around 1960 to provide rail access to the (then) newly built industrial distribution site about a quarter-mile to the northeast.

The Farmington Canal first opened for business along its complete length from New Haven to Northampton in 1835. Within 12 years of its completion the proprietors converted the operation into a railroad, deemed far more efficient and profitable than an inland canal as a transportation route, which mostly ran upon the tow path of the former Canal. The New Haven and Northampton Railroad 'Canal Line' soon exceeded the economic importance of the Canal itself and remained vital to the region through the mid-20th Century. Its importance declined in the post-war era and it was partially destroyed by flooding in the early 1980's, which led to its demise from increasing neglect and disuse. The tracks were mostly removed by 1987.

Today, this historic route has mostly been converted into a popular multi-use trail known as the Farmington Canal Heritage Trail.

The Farmington Canal Heritage Trail is part of East Coast Greenway, stretches from New Haven to the Massachusetts border before continuing into Massachusetts for a total length of 80.5 miles and 11 towns. Along the way are historic buildings, canal locks, the remains of canal aqueducts and other landmarks that provide a rich cultural background for the trail experience.
Alignment Option

• Willow Street
Alignment Option

- Willow Street
Alignment Option
• Adjacent to Canal
Alignment Option
- Gas Utility Easement
Alignment Option
- Adjacent to Canal

Alignment Option
- Gas Utility Easement
Alignment Option

- Option 2
Culvert Extension Required
Wetlands Area

Precast Concrete Pier and Boardwalk System

Wetlands Area
SOILS TYPE
0 – 5 FT  TOPSOIL
5 – 20 FT  GRAVELY SAND
20 – 40 FT  GLACIAL TILL
CONCRETE BOARDWALK – PILE DRIVING

152 PILES
DEPTH OF PILES 20 – 40 FT
CONCRETE BOARDWALK

13 FT
PARKING LOT

12-SPACE PARKING LOT

RAIN GARDEN

INFORMATIONAL KIOSK

BIKE REPAIR STATION

BATHROOM FACILITIES
KIOSKS
PRECAST RESTROOM BUILDING

Water Fountain / Bottle Filler

Flush Mounted Water Faucet

Lights
RAIN GARDENS / BUTTERFLY GARDENS

ABOVE GROUND
LOCKABLE
WATER OUTLET

RAIN GARDENS

RAIN GARDENS
HIGH-INTENSITY ACTIVATED CROSSWALK (HAWK) SIGNAL
1. Dark Until Activated
   Action Required
   Proceed If No Users In Crosswalk

5. Flashing Red
   Stop; Then Proceed If Clear

2. Flashing Yellow
   Upon Activation
   Prepare To Stop

4. Steady Red
   Stop; Do Not Proceed

3. Steady Yellow
   Stop if Possible

Pedestrian Hybrid Beacon
“HAWK Signal”
Pedestrian Hybrid Beacon

“HAWK Signal”
HIGH-INTENSITY ACTIVATED CROSSWALK (HAWK) SIGNAL