Pedestrian Access and Redevelopment Corridor (PARC)
Changing the Huntsville Skyline
Byron Hinchey, PE, CFM

History of Flooding
- 1963
- 1973
- 1990
- 2003
- 2005

Flood Control
- 1990’s USACE Studies
- 2003 USACE Feasibility Project
- 2004 Local Watershed Study
- 2007 Flood Control Project
- 2016 PARC Project

Project Concept - 2003
USACE Section 205 Project
3700 LF

Project Concept - 2012
City of Huntsville Project
3700 LF

Project Concept (PARC) - 2016
City of Huntsville Project
6600 LF
Project Planning

- Charrette Process
  1. Listening
  2. Testing
  3. Deciding
- Stakeholder Meetings

Pedestrian Connectivity

Project Components

- 5600 LF excavated high flow bench
- 3200 LF constructed low flow channel
- 6000 LF greenway trails
- Three (3) new pedestrian bridges
- RR bridge replacement
- A new 1400 LF cable-suspended pedestrian bridge

Flood Control Template

- MSE retaining walls
- Excavated high-flow bench for flood control
- Facilitate Greenway Trails and a Riverwalk Atmosphere

Pedestrian Trails (upper)

Pedestrian Trails (middle)
Pedestrian Trails (lower)

Railroad Bridge Replacement
- Remove 260 LF timber bridge (22 Bents)
- Replace with 440 LF concrete bridge (14 Bents)

Cable-Suspended Pedestrian Bridge
- 1400 LF cable-suspended bridge - 3 spans at 463 LF
- Crosses US231, US431, and Broglan Branch

Bridge Corridor

Bridge Curvature

Bridge Slope & Road Clearance
Bridge Profile

Cable-Suspended Pedestrian Bridge

Cable-Suspended Pedestrian Bridge

Bridge Lighting

Bridge Digital Walkthrough

Fly Through
Project Cost

- OPCC
  - Curved Suspension Bridge $29 million
  - Pre-engineered Ped Bridges (3) $2 million
  - Railroad Bridge $5 million
  - Channel Work $14 million
  - Parks & Trails $5 million
  - Real Estate $2 million
- Total OPCC $56 million

Project Status

- Design Plans more than 60%
- TIGER Grant Application 2017
  - Total Cost $56 million
  - Federal Request $25 million
  - Local Match $31 million
- BUILD Grant Application 2018
- BUILD Grant Application 2019 ??

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City of Huntsville, AL

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