

An "Enlightening" Tour: Five Northside Neighborhoods:



East Ohio
Troy Hill
Observatory Hill
Brighton Heights
Brightwood

North Shore Development Shadyside The Waterfront Somerset, PA



Review of Impact of Current Lighting Standards

East Ohio Street



East Ohio Street @ dusk



East Ohio Street







Northside Business District Lighting Lighting Conditions Tour

East Ohio Street @ dusk





Neighborhood Concept Sketches





East Ohio



East Ohio Street @ dusk



East Ohio Street @ dusk







Northside Business District Lighting Lighting Conditions Tour

East Allegheny @ Cedar Ave. Gas Station



East Allegheny @ Cedar Ave. Gas Station



Troy Hill Existing Utility Poles





Typical Pole Conditions







Northside Business District Lighting Lighting Conditions Tour

Troy Hill Square Daylight



Troy Hill Square Night



Neighborhood Concept Sketches



Observatory Hill Existing Conditions







Northside Business District Lighting Lighting Conditions Tour

Neighborhood Concept Sketches









Observatory Hill Night at PPA Lot





Observatory Hill @ Perrysville







Northside Business District Lighting Lighting Conditions Tour

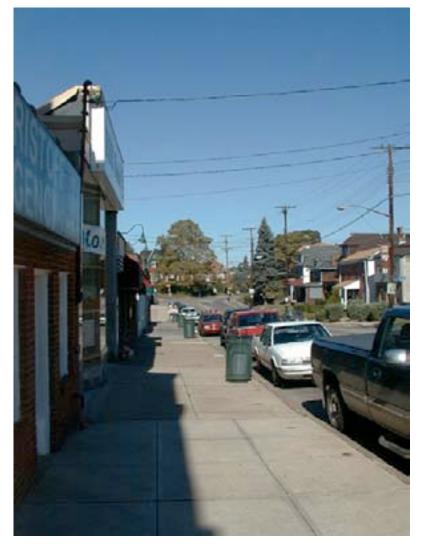
Observatory Hill @ Perrysville Night







Brighton Heights







Northside Business District Lighting Lighting Conditions Tour

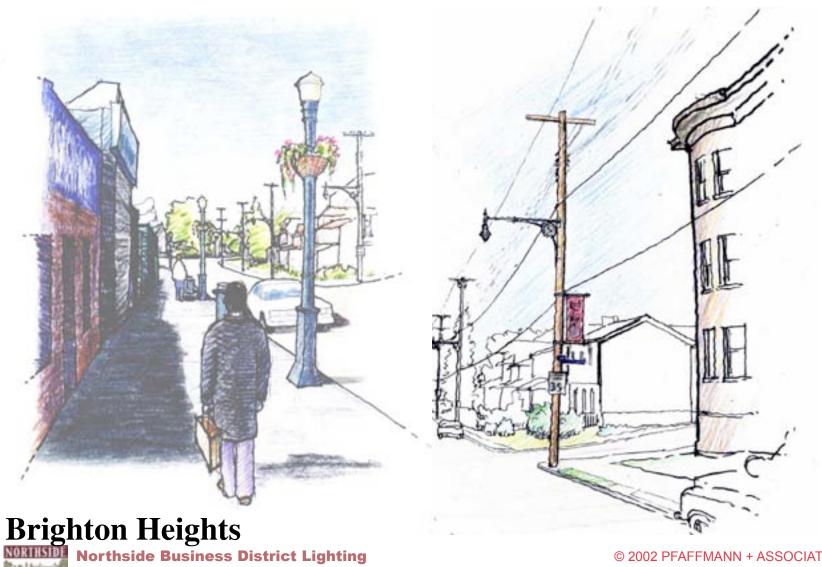
Brighton Heights @ Night







Neighborhood Concept Sketches



Lighting Conditions Tour

Brighton Heights



Brightwood





Brightwood @ Night





Brightwood



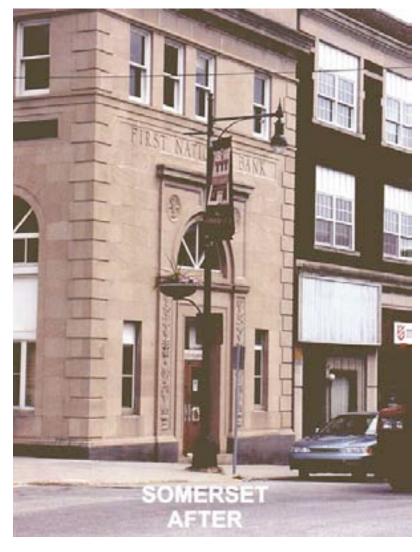
Neighborhood Concept Sketches



Brightwood

Precedents: Somerset Pole Rehab Project

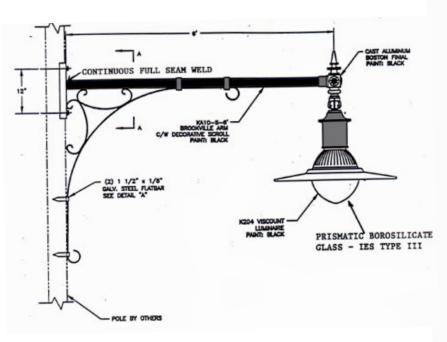


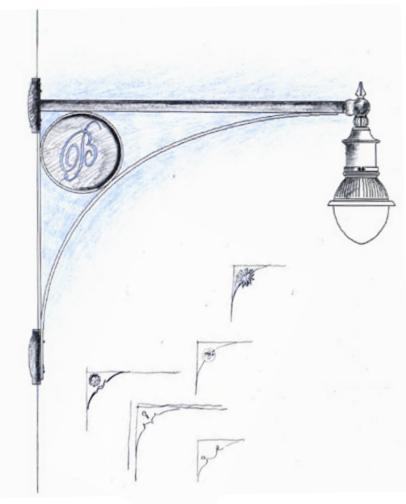




Northside Business District Lighting Lighting Conditions Tour

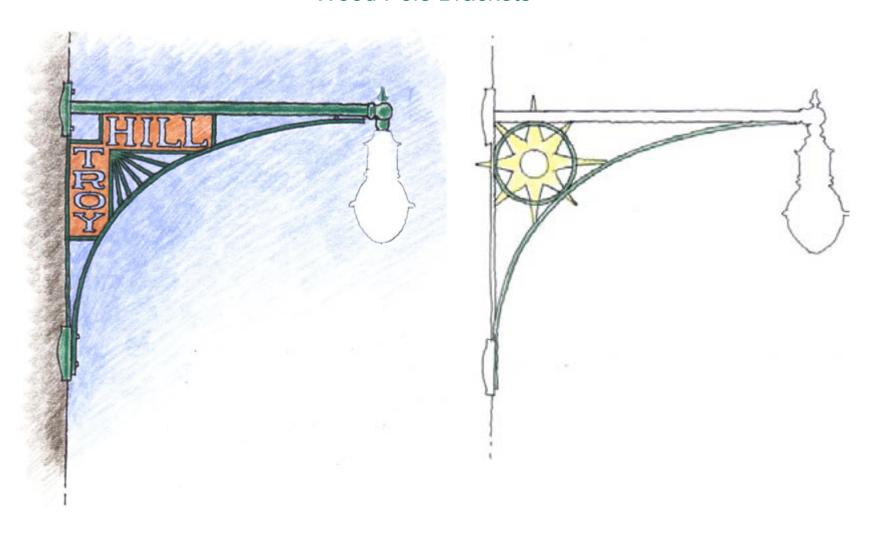
Wood Pole Brackets







Wood Pole Brackets





Precedents: Philadelphia Zoo Brackets











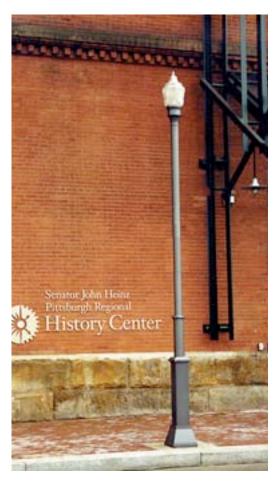
Current Lighting Standards



Evolution of Pedestrian Pole Standards



Original "Lollipop" Globe (HPS)

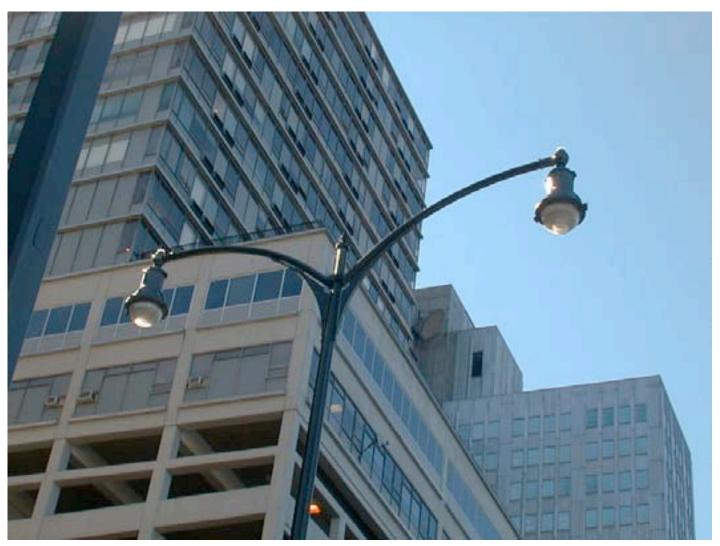


1994 Modification kit (HPS)

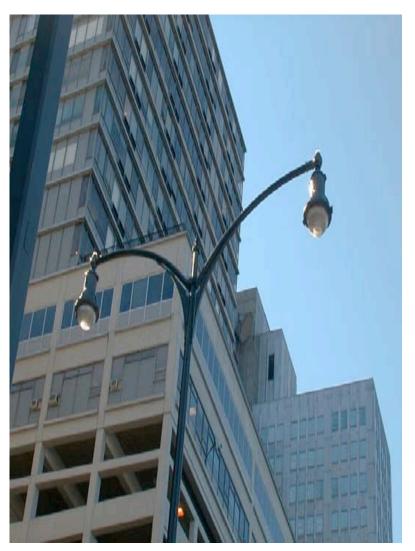


2001 Aluminum Pole (HPS)

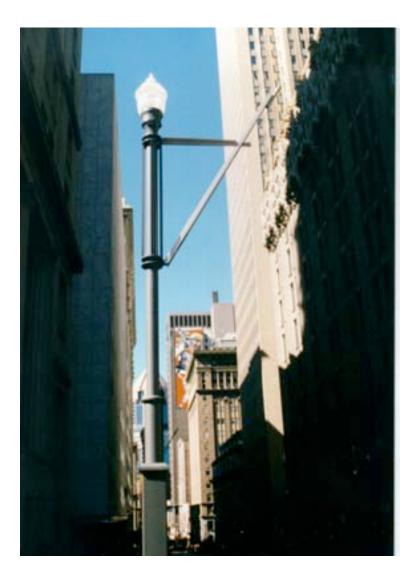
Current Lighting Standards



Current Lighting Standards







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Metal Halide Vs. High Pressure Sodium



Key Issues:

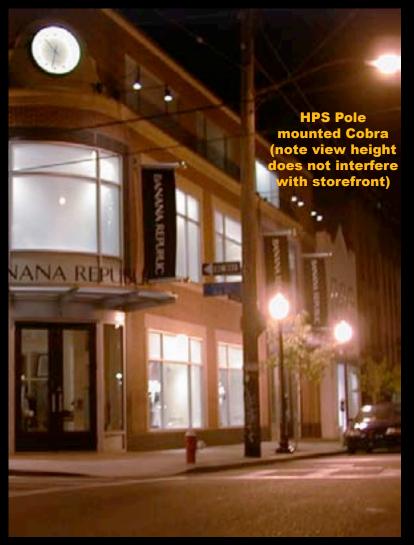
- Color rendering
- "Seeability"
- Lamp life
- Energy costs
- MH is industry
- Retail Standard
- HPS is NOT mandated by

PennDOT

Ellsworth Ave Shadyside @ Night



Analysis of pedestrian standard (HPS)







Northside Business District Lighting Lighting Conditions Tour

Precedents: Metal Halide @ The Waterfront

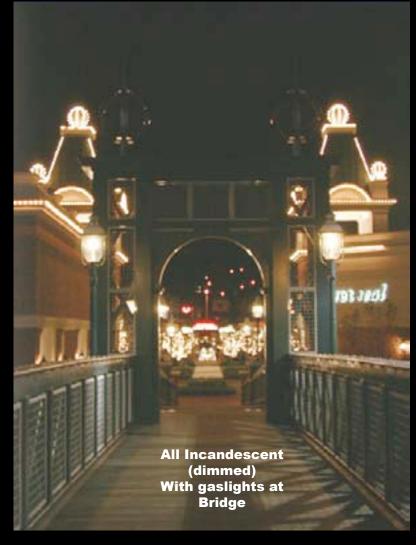


Precedents: Homestead MH Street Lighting



Precedents: Incandescent/LV @ The Waterfront







ALCOA Proposed MH Demonstration Block

