Society of American Military Engineers

Transportation Update

September 10, 2019

Jason C. Zang, P.E.
Assistant District Executive Construction Division
Agenda

- Hot Projects - 2019
- 2020 Projects
- Innovations
- Challenges
- Upcoming Agreements
$30 Million

- Full paving from Ft. Pitt to Edgewood
- Bridge Expansion Dam replacements (4800’)
- Centerline Joint repair, Edgewood to Turnpike
$90 million +

- Paving (Patching and overlay)
- 30 bridges
- 49 overhead sign structures
- 29 walls
- Lighting
- HOV repairs and upgrades
- Anti-Icing system @ McKnight Road
SR 51- A79, Elizabeth Bridge, Allegheny County

- $31 million
- Bridge rehabilitation and painting on SR 51, Elizabeth Bridge over the Monongahela River, in Elizabeth Township, Allegheny County.
- Full deck replacement on main span
- LMC and exp. dams
SR 28-A55  Allegheny Valley Expressway

$34 million +
- Concrete patching
- breaking and seating
- SMA asphalt
- minor drainage
- bridge preservation
S.R. 19- A63 Shaler Street Bridge (SPMT)

Span 1 Steel Elements (incl. bumpers)

Span 2 Looking Ahead

Span 2 Looking Back. Starting Top Rebar Mat
S.R. 19- A63 Shaler Street Bridge (SPMT)
I-579 Urban Open Space Cap Project

- Locally-sponsored project.
- Will tie directly into the adjacent existing Centre Ave. and Webster Ave. bridges over SR 579.
- Sponsored by the Sports & Exhibition Authority of Pittsburgh Allegheny County.
2020 Projects

CONSTRUCTION

UPDATES!

pennsylvania
DEPARTMENT OF TRANSPORTATION
S.R. 2094 – A04 - Jerome Street Bridge

$14.5 Million

- Full Paint
- Deck replacement
- PPC Overlay
$11 Million

- New pavement
- Signal Upgrades
- Median Barrier
$7.5 Million

- Expansion Joints
- Latex Modified Concrete Overlay
- Bearings
S.R. 19 A75 – Upper St. Clair

$7.5 Million

- Betterment
S.R. 79 A61 – Neville Island Bridge Preservation

$58 Million

• Paint
• Expansion Joints
• Steel Repairs
S.R. 376 A61 – Neville Island Bridge Preservation

$10 Million

- New Retaining Walls
$5 Million

- Steel/Bearing Repairs
- Latex Modified Concrete overlay
$12 Million

- Beam Replacement
- Bridge Widening from 4 to 7 lanes
$2 Million

- Culvert Replacement
- Intersection Raising
$7 Million

- Beam and Deck Replacement
$55 Million

- Safety/Capacity Project
- Adding Through Lanes
Drone Policy and Pilot

- District 1 and 11
- Excavation Quantities
- Aerial Photographs
- Traffic Patterns
- Environmental Uses
- ???
SMA with 10% RAP

- 1\textsuperscript{st} Pilot in PA, SR 885
- Used in other States
- Use on non-interstates, high volume roads
Workforce Recruitment

In Construction . . .

- 8 TCI Vacancies
- 1 TCIS
- Assistant Structure Control Engineer
- District Scheduler
Workforce Recruitment

Retirement Projections

- Tunnels: 2 (Currently Eligible) + 14 (Eligible within next 1-4 years)
- Lawrence County: 11 (Currently Eligible) + 11 (Eligible within next 1-4 years)
- Beaver County: 13 (Currently Eligible) + 21 (Eligible within next 1-4 years)
- Allegheny County: 25 (Currently Eligible) + 35 (Eligible within next 1-4 years)
- District Office: 39 (Currently Eligible) + 56 (Eligible within next 1-4 years)

Currently Eligible | Eligible within next 1-4 years
Upcoming Agreements

- Design (9/9 publish, SOI’s due 10/3)
  - 79/910 Interchange
  - 79 Widening (Alpine Rd to Bridgeville)
  - 3 small bridges (McLaughlin Run, Millers Run, 910)
  - 2 Open End Design Agreements (advertised on 9/23)
Upcoming Agreements

• Construction (10/7 publish, SOI’s due 10/24)
  – SR 30 A35 CI
  – SR 4011, SR 4025 (Landslide and Bridge) CI
  – SR 79 A61 (Neville Island Bridge) CI
  – SR 51 B51 Roadway Restoration CI
  – SR 19 A75 and SR 3048 Roadway Restoration CI

• Nov/December-ish
  – SR 8 A78 Wildwood Road
  – SR 50 A26 Thoms Run to Mayer St.
  – SR 2040 A22 Lebanon Church Road
  – SR 28 A56 Highland Park Bridge
  – CI Open End
• Construction (SOI’s are in, Selection for 10/9)
  – SR 885 A42 and SR 366 A06
  – Kenmawr Bridge
  – 2 Open Ends for CI
  – SR 376 A61 (walls)
Questions?

THANK YOU....... 

DO YOU HAVE ANY QUESTIONS?