

NB SR-86 Brawley



NB SR-86 Brawley

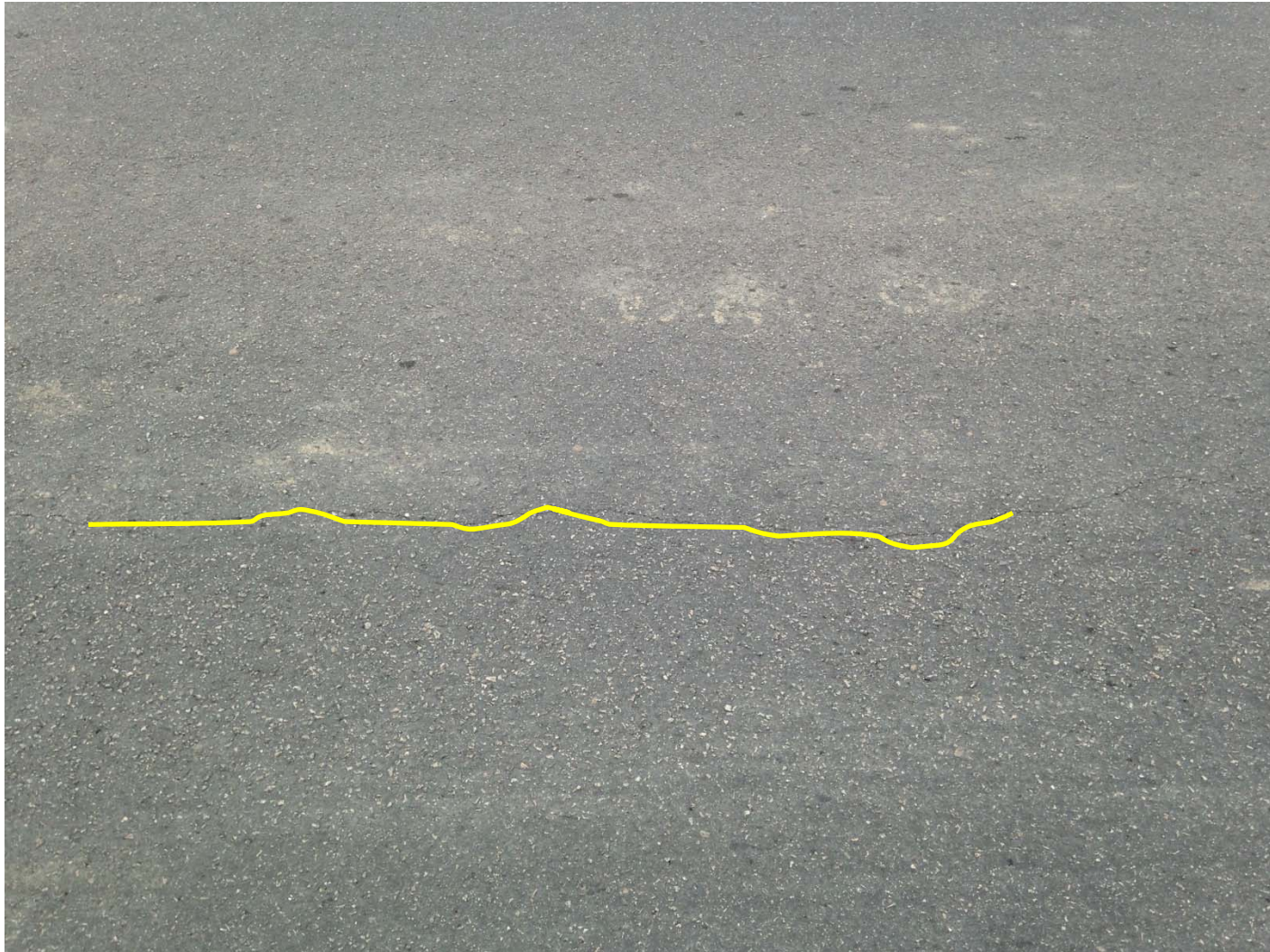
- Circa 1997
- 2011 cores: approx. 10” HMA in the NB lanes divided section
- Brawley and Westmorland sections are variable – some HMA on PCC
- More cores are needed



NB SR-86 Brawley

- South of new Brawley bypass
 - $\approx 6,200$ AADT
 - 18% trucks
- North of new Brawley bypass
 - $\approx 10,800$ AADT
 - 29% trucks

NB SR-86 Brawley



NB SR-86 Brawley



NB SR-86 Brawley

- Is this a candidate for a concrete overlay?
- What type of concrete overlay?

NB SR-86 Brawley

- Challenges
 - Overpasses = 0?
 - Pre-overlay repairs?
 - MOT?
 - Foreslopes and ditches?

SR-101 Near King City



SR-101 Near King City



SR-101 Near King City



SR-101 Near King City



SR-101 Near King City

- Circa 1970: 8.5” PCCP, 4” CTB, 9” granular
- 6.3 mi project length
- Maintenance & Rehab Activities Performed to Date:
 - Diamond grinding southern portion
 - Asphalt overlay northern portion



SR-101 Near King City

- 27,800 AADT
- 12% trucks
- 20 year ESALs = 13,000,000

SR-101 Near King City

- Is this a candidate for a concrete overlay?
- What type of concrete overlay?

SR-101 Near King City

- Challenges
 - Bridge structures = 6?
 - Overpasses = 1?
 - Pre-overlay repairs?
 - MOT?
 - Foreslopes and ditches?

US 119 Near Uniontown, PA



US 119 Near Uniontown, PA

- Base/subbase construction in 1936; numerous asphalt constructions since then, most recently 5.5" HMA in 1990
- From approx. Connellsville Street to Pechin Rd (2.1 miles, five-lane construction)
- Maintenance and rehab activities performed to date:
 - Periodic HMA overlays
 - Crack sealing
 - Shoulder joint repairs



Project Information

- Highway Classification- Urban Principal Arterial
- Design Speed- 50 MPH
- Posted Speed- 45 MPH
- Pavement width- 48 ft to 64 ft (5-lane section)
- Shoulder width- 5 ft to 10 ft
- Project length- 2.2 miles
- 6 Signalized intersections
- ADT- 25,819 (2009) 28,521 (2019)
- Truck percent- 12%
 - Quarry trucks, Industrial Park traffic, Business that rehabilitates military tanks (!!).



US 119 Near Uniontown, PA



US 119 Near Uniontown, PA (turn lanes and mountable curb)



US 119 Near Uniontown, PA



US 119 Near Uniontown, PA

Concrete and composite pavement at south end!



US 119 Raveled Shoulder Joint



Core from asphalt section



Average Depth of Asphalt = 13 – 16”

US 119 Near Uniontown, PA

- Challenges
 - 6 signalized intersections
 - Pre-overlay repairs?
 - Mountable curb issues
 - Shoulder edge failures
 - Jointing (10-ft on mountable curb and median)
 - MOT?
 - Access issues
 - Residential
 - 30+ businesses
 - University campus
 - Shopping Mall



US 119 Near Uniontown, PA

- Is this a candidate for a concrete overlay?
- What type of concrete overlay?