

PROJECT BACKGROUND AND PURPOSE & NEED



James H. Pruitt Memorial Bridge

- Constructed 1964
- Repaired or retrofitted – 1978 and 2003
 - Vertical clearance: 39-feet
 - Horizontal clearance: 150-feet
 - Bridge width: 34-feet 3-inches
- Observation/fishing piers under bridge deck on the north and south sides of the bridge
- Eligible for the National Register of Historic Places
 - Criterion C - Engineering
- November 2018 bridge inspection:
 - Bridge Health Index of 79.8
 - Per FHWA's national bridge rating system – “structurally deficient” (*This does not mean the bridge is unsafe – the rating indicates the need for repair or replacement*)

Purpose

- Address bridge structural and functional deficiencies
- Address the gap in system linkage for bicyclist and pedestrians
- Evaluate bridge alternatives

Need

- The bridge is rated structurally deficient (but still safe)
 - The rating is based on the bridge deck, superstructure, substructure, and culvert conditions
- The bridge health index is a measure of overall bridge condition
 - The low health index indicates bridge repairs or replacement are needed
- Supports the Indian River County Bicycle and Pedestrian Plan for SR A1A at this location
- Bicycle and pedestrian counts support addressing the gap in system linkage

2019 Bicycle/Pedestrian Data Counts

Dec 12 – Dec 15 6:00 AM to 6:00 PM



231 Bicyclists



5 Pedestrians

Currently crossing the bridge despite not having appropriate bicycle and pedestrian facilities