

Pavement Scan of NOVA Express Lanes



NEXCO was contracted to perform mobile pavement evaluation of 87 lane miles of highway express lanes in Northern Virginia. International Roughness Index (IRI) and Pavement Condition Index (PCI) were measured.

The project served as a quality assurance measurement to confirm post-construction pavement condition. NEXCO's SmartEagle scanning system captures height and imagery data that feeds into algorithmic and human-analyzed data processing.

5 Lane 1 SB L1 IRI- RWP 81.7, LWP 222.0
Miles156
.3-156.2
Old lane mark/construction joint on LWP

6 Lane 2 SB L2 IRI- RWP 186.8, LWP 104.1
Miles164
.2-164.1
Pavement cuttings/ Fatigue cracks on RWP

Project Details

Client	[Contractor in MD]
Reference	[withheld]
Lane Miles	87 mi
Project Period	12/2023 to 01/2023

Impression

The report submitted was highly evaluated by the client and served as a baseline set of information to 1) rate their construction contractor's performance and 2) start a running quantification and imagery-based list of findings that can be used for comparisons to future repair and construction projects.

Similar to our deck top scanning system, the data is collected at highway speeds and does not require lane closures, which is especially important for maintaining traffic flow in highly congested roadways.