



*Florida Department of Transportation*

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**TO:** Marlene Hebert, District 1 Pre-Design Coordinator  
**FROM:** Guangming Wang, P.E., State Pavement Performance Evaluation Engineer  
**DATE:** July 24, 2023  
**COPIES:**  
**SUBJECT:** Resilient Modulus Recommendation

Project Description: SR 45 US 41  
MP 25.906 to 27.030  
Project Number: 12010000  
FIN No.: 450726-1  
County: Lee

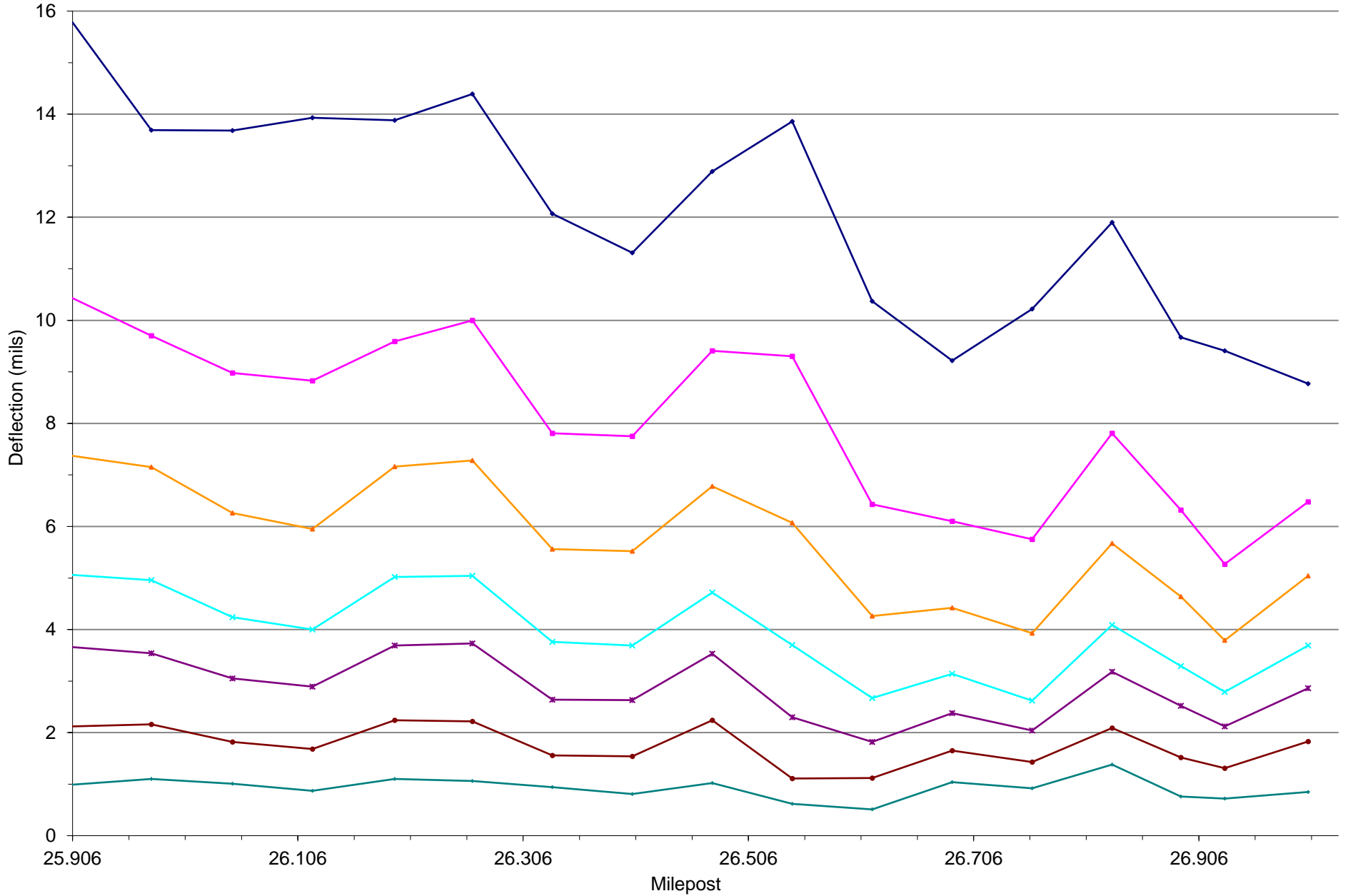
On July 17, 2023 deflection tests were conducted in the right and left traffic lanes of SR 45 US 41. Evaluation of the data and resulting deflection plots indicate the following Resilient Modulus is representative of the existing pavement system and is hereby recommended for this project.

Travel Direction	Beginning Milepost	Ending Milepost	Modulus (psi)	Modulus (MPa)
Right/Left	25.906	27.030	24,000	165

Please let me know if you need further assistance.

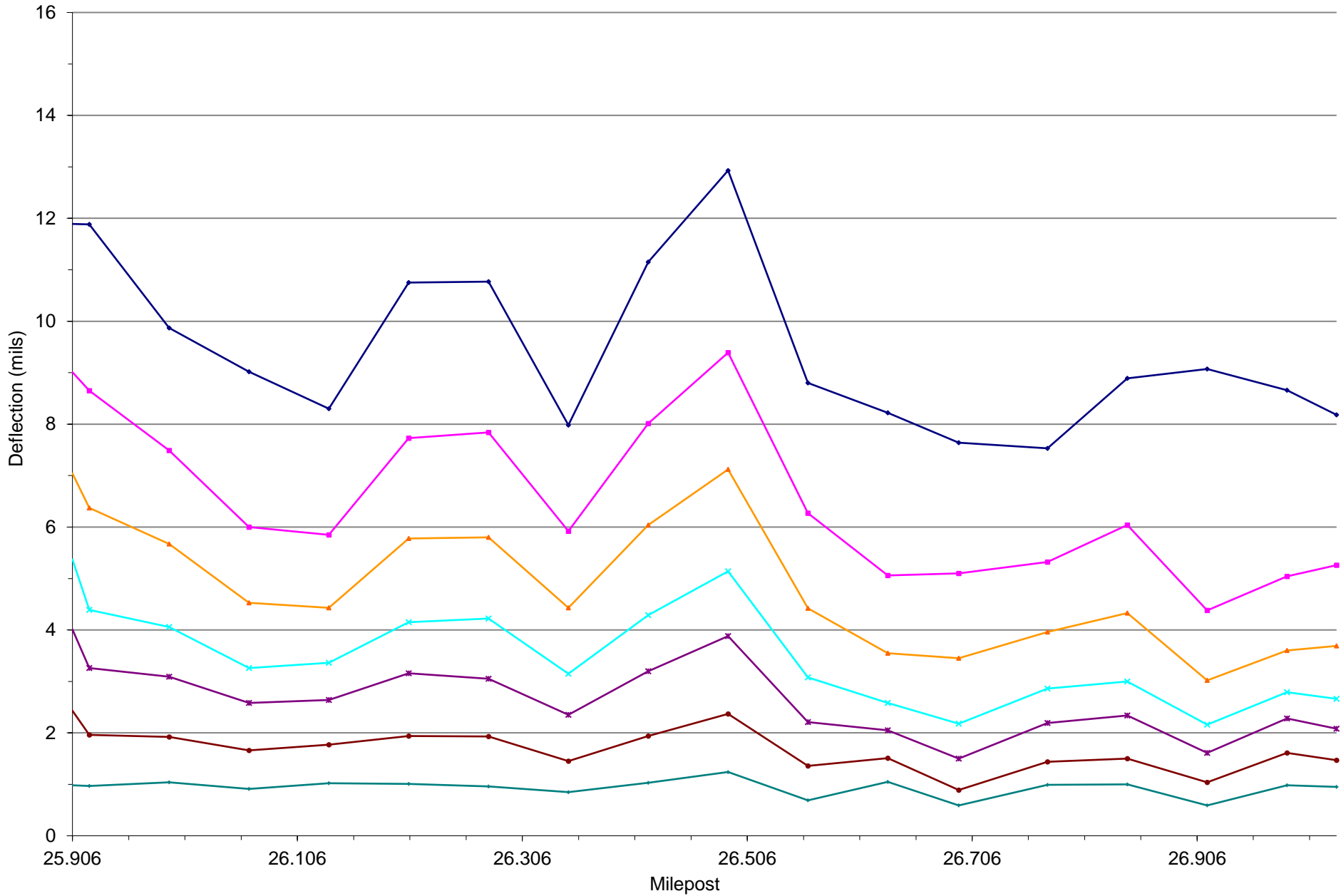
GW  
Attachment: Deflection Plots

Falling Weight Deflections - 9 Kip Load  
Lee County / Section 12010000  
SR 45 Right Direction / MP 25.906 to 27.030



—●— D0    —●— D8    —●— D12    —●— D18    —●— D24    —●— D36    —●— D60

Falling Weight Deflections - 9 Kip Load  
 Lee County / Section 12010000  
 SR 45 Left Direction / MP 25.906 to 27.030



—◆— D0   
 —◆— D8   
 —◆— D12   
 —◆— D18   
 —◆— D24   
 —◆— D36   
 —◆— D60