

# MAP-21/FAST ACT Pavement Performance Measures

## Where to Measure

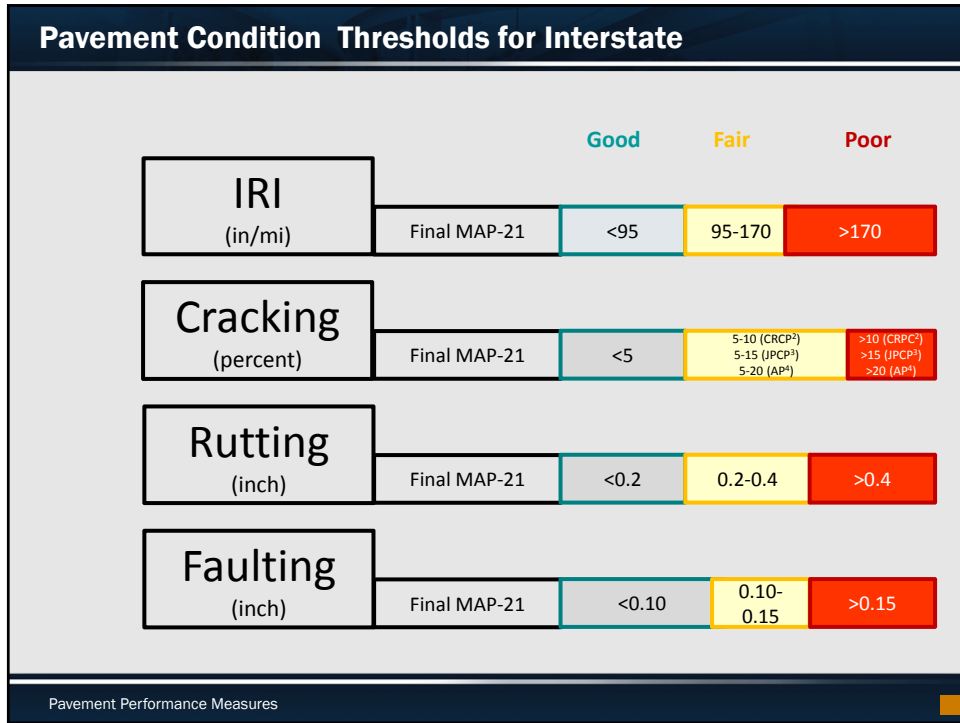
- Interstate System
- National Highway System (On System and Off System)

## What to Report?

Interstate System	Non-Interstate NHS System
Percentage of pavements in "Good" condition	Percentage of pavements in "Good" condition
Percentage of pavements in "Poor" condition	Percentage of pavements in "Poor" condition

## Measuring Pavement Condition

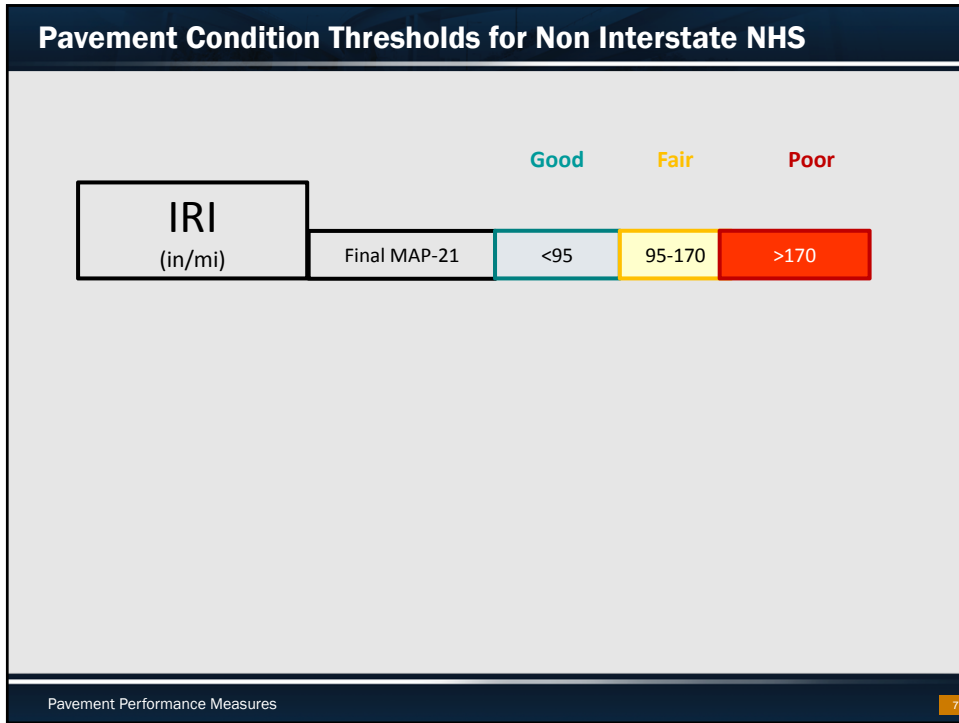
- **Interstate**
  - International Roughness Index (IRI)
  - Cracking
  - Faulting for jointed plain concrete pavements
  - Rutting for asphalt pavements
- **Non Interstate NHS**
  - International Roughness Index (IRI)



### Calculation of Pavement Measures for NHS Interstate

Overall Condition Rating	3 metric ratings (IRI, Cracking, rutting) ACP (IRI, Cracking, faulting) JCP	2 metric ratings (IRI and Cracking) CRCP	Measures
<b>Good</b>	<b>All three metric rated "Good"</b>	<b>Both metrics rated "Good"</b>	<b>% Lane Miles in "Good" Condition</b>
<b>Poor</b>	<b>≥ 2 Metrics rated "Poor"</b>	<b>Both metric rated "poor"</b>	<b>% Lane Miles in "Poor" Condition</b>
<b>Fair</b>	<b>All other combinations</b>	<b>All other combinations</b>	

Pavement Performance Measures



### TXDOT Performance Measures Interstate

Highway System	Overall Categories (IRI and Distresses)	FY2017 Lane Miles	FY2017 Percent
Interstate (Mainlanes)	Good	8,346	50.50%
Interstate (Mainlanes)	Poor	27	0.15%

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### TXDOT Performance Measures For Non Interstate NHS On System

Highway System	Overall Categories (IRI Only)	FY2017 Lane Miles	FY2017 Percent	
Non-Interstate NHS	Good	25,813	57.95%	
Non-Interstate NHS	Poor	3,337	7.49%	

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### TXDOT Performance Measures For Non Interstate NHS Off System

Highway System	Overall Categories (IRI Only)	FY2017 Lane Miles	FY2017 Percent	
Non-Interstate NHS	Good	867	11.61%	
Non-Interstate NHS	Poor	4,118	55.19%	

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**TXDOT Performance Measures For Non Interstate NHS On/Off System**

Highway System	Overall Categories (IRI Only)	FY2017 Lane Miles	FY2017 Percent	
Non-Interstate NHS	Good	26,680	51.30%	
Non-Interstate NHS	Poor	7,456	14.34%	

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**MPO IH**

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IH NHS by MPO		
MPO	% Good	% Poor
Houston-Galveston Area Council	9.60%	0.20%
Alamo Area	70.71%	0.00%
El Paso	11.84%	0.30%
Capital Area	87.72%	0.00%
Corpus Christi	48.07%	0.00%
Amarillo	65.34%	0.00%
Lubbock	0.00%	2.77%
South East Texas	36.79%	0.00%
Waco	13.15%	0.98%
Wichita Falls	43.79%	0.00%
Abilene	91.78%	0.00%
Permian Basin	90.98%	0.00%

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IH NHS by MPO		
MPO	% Good	% Poor
Harlingen-San Benito	79.84%	0.00%
Laredo Urban Transportation Study	57.06%	0.00%
Texarkana	85.76%	0.00%
Tyler	79.88%	0.00%
Hidalgo County	82.77%	0.00%
Brownsville	80.39%	0.00%
Killeen-Temple	25.98%	0.00%
North Central Texas	32.93%	0.43%
Longview	80.77%	0.00%

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## MPO Non IH NHS (On System)

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### Non IH NHS by MPO (On System)

MPO	% Good	% Poor
Houston-Galveston Area Council	40.90%	13.22%
Alamo Area	51.76%	9.91%
El Paso	42.49%	13.61%
Capital Area	72.23%	2.82%
Corpus Christi	57.88%	7.18%
Amarillo	56.03%	8.12%
Lubbock	59.35%	10.76%
South East Texas	50.75%	14.97%
Waco	54.29%	5.33%
Wichita Falls	37.71%	12.67%
Abilene	63.61%	7.25%
Permian Basin	53.52%	18.10%

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<b>Non IH NHS by MPO (On System)</b>		
<b>MPO</b>	<b>% Good</b>	<b>% Poor</b>
Harlingen-San Benito	47.75%	11.70%
Laredo Urban Transportation Study	52.13%	6.68%
San Angelo	80.12%	1.42%
Texarkana	29.83%	27.46%
Tyler	66.08%	5.1%
Hidalgo County	71.61%	3.71%
Sherman-Denison	30.46%	15.54%
Brownsville	48.88%	10.44%
Bryan-College Station	55.15%	9.22%
Killeen-Temple	68.25%	3.70%
North Central Texas	31.63%	16.58%
Longview	51.05%	6.08%
Victoria	74.26%	4.95%

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**Questions?**

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