

SUMMARY SHEET FOR PAVEMENTS

Key Performance Indicators for Pavements*

SHEET NO.	KPI
PKPI-1	Ride Quality
PKPI-2	Pavement Condition Rating
PKPI-3	Narrow Lane Width
PKPI-4	Paved Shoulder Width

*Key Performance Indicators (KPIs) typically cannot be achieved by just one group or through a single activity or the application of a new skill. But they are the result of many operations that roll up to the final outcome known as the KPI.

Glossary

Performance Target - A performance target is a goal or objective for the condition of assets or the road system.

Assessment Method - The method recommended for appraising the asset or activity, i.e. Random Sample, % of total, 100% assessment, etc

Does Assessment Data Exist - Does the data exist and at what level.

Desired Level of Survey - Should the assessment be conducted down to the various management levels.

Does Feature Inventory Exist - Does the numerical count of the asset exist in detail and at what management level.

Desired Level of Feature Inventory - Should detail information exist for the numerical count of the asset and at what management level.

Functional Work Group Worksheet

PKPI-
1

Element: Pavement

Asset: Pavement
Surface

Activities: Ride Quality

Condition Indicator: Roughness (IRI value 145 or greater, or Severe on
PCS)

Performance Measure: Lane Miles that meet Condition Indicator

LOS Category	LOS Description
A	< 1.5% in Poor Condition and/or 85% have IRI < 90
B	< 5% in Poor Condition and/or 80% have IRI < 90
C	< 10% in Poor Condition and/or 75% have IRI < 90
D	< 20% in Poor Condition and/or 65% have IRI < 90
F	More than 25% in Poor Condition and/or <50% have IRI < 90

	Statewide	Regional	Subregional		Division	County
Performance Target	A	C	C		NA	NA
Assessment Method	IRI	IRI & PCS	PCS		IRI & PCS	IRI & PCS
Does Assessment Data exist	Yes	Yes	Yes		Yes	Yes
Desired level of survey	Yes	Yes	Yes		Yes	Yes
Does Feature Inventory exist	Yes	Yes	Yes		Yes	Yes
Desired level of Feature Inventory	Yes	Yes	Yes		Yes	Yes

Glossary

Good = IRI < 80

Fair = IRI < 120

Poor = IRI > 145

PCS: Pavement Condition
Survey

Functional Work Group Worksheet

Element: Pavement

Asset: Pavement (Structure or Quality)

Activities: Pavement Condition Rating

Condition Indicator: Pavement Condition Survey (PCS) Rating of 80 or higher

Performance Measure: Road Miles that meet Condition Indicator

LOS Category	LOS Description
A	% of Lane Miles with PCR rating of 80 or greater $\geq 85\%$
B	% of Lane Miles with PCR rating of 80 or greater $\geq 80\%$ and $< 85\%$
C	% of Lane Miles with PCR rating of 80 or greater $\geq 75\%$ and $< 80\%$
D	% of Lane Miles with PCR rating of 80 or greater $\geq 60\%$ and $< 75\%$
F	% of Lane Miles with PCR rating of 80 or greater $< 60\%$

	Statewide	Regional	Subregional	Division	County
Performance Target	A	B	C	NA	NA
Assessment Method**	PCS	PCS	PCS	PCS	PCS
Does Assessment Data exist	Yes	Yes	Yes	Yes	Yes
Desired level of survey	Yes	Yes	Yes	Yes	Yes
Does Feature Inventory exist	Yes	Yes	Yes	Yes	Yes
Desired level of Feature Inventory	Yes	Yes	Yes	Yes	Yes

Functional Work Group Worksheet

Element: Pavement

Asset: Lane Width

Activities: Narrow Lane Width

Condition Indicator: Lane Widths less than: Statewide = 12', Regional = 12', Sub-Regional = Minimum set by Roadway Design and AASHTO Standards.

Performance Measure: Lane Miles that meet Condition Indicator

LOS Category	LOS Description
A	< 1% lane miles less than condition indicator
B	Lane miles meeting condition indicator is between 1% and 20%
C	Lane miles meeting condition indicator is between 20% and 40%
D	Lanes miles meeting condition indicator is between 40% and 50%
F	Lane miles meeting condition indicator is greater than 50%

	Statewide	Regional	Subregional		Division	County
Performance Target	A	B	C		NA	NA
Assessment Method	PCS	PCS	PCS		PCS	PCS
Does Assessment Data exist**	Yes	Yes	Yes		Yes	Yes
Desired level of survey	Yes	Yes	Yes		Yes	Yes
Does Feature Inventory exist	Yes	Yes	Yes		Yes	Yes
Desired level of Feature Inventory	Yes	Yes	Yes		Yes	Yes

Glossary
 PCS: Pavement Condition Survey

Functional Work Group Worksheet

PKPI-
4

Element:

Pavement

Asset:

Paved
Shoulders

Activities:

Paved Shoulder Width

Condition Indicator:

Paved Shoulder Widths less than Paved Shoulder Policy

Performance Measure:

Shoulder Miles that meet Condition Indicator

LOS Category	LOS Description
A	Shoulder miles that meet condition indicator is between 0% and 5%
B	Shoulder Miles that meet condition indicator is between 5% and 20%
C	Shoulder Miles that meet condition indicator is between 20% and 50%
D	Shoulder Miles that meet condition indicator is between 50% and 70%
F	Shoulder Miles that meet condition indicator is greater than 70%

Performance Target	Statewide	Regional	Subregional	Division	County
Assessment Method	A	B	C	NA	NA
Does Assessment Data exist**	PCS	PCS	PCS	PCS	PCS
Desired level of survey	Yes	Yes	Yes	Yes	Yes
Does Feature Inventory exist	Yes	Yes	Yes	Yes	Yes
Desired level of Feature Inventory	Yes	Yes	Yes	Yes	Yes

Glossary

PCS: Pavement Condition
Survey