



## ELKO REGIONAL AIRPORT

### Pavement Condition

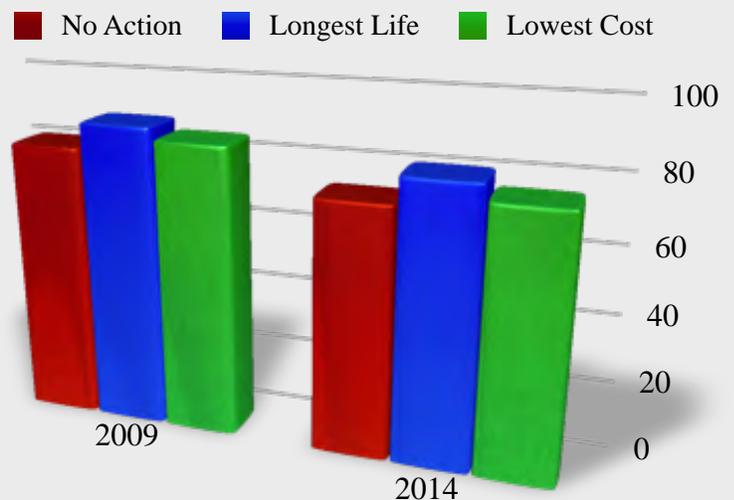
The average projected Pavement Condition Index (PCI) for all of the airfield pavements was **81**. The runways had an average projected PCI of **69** and were above the desired minimum service level (MSL) of **65**.

### Maintenance Needs

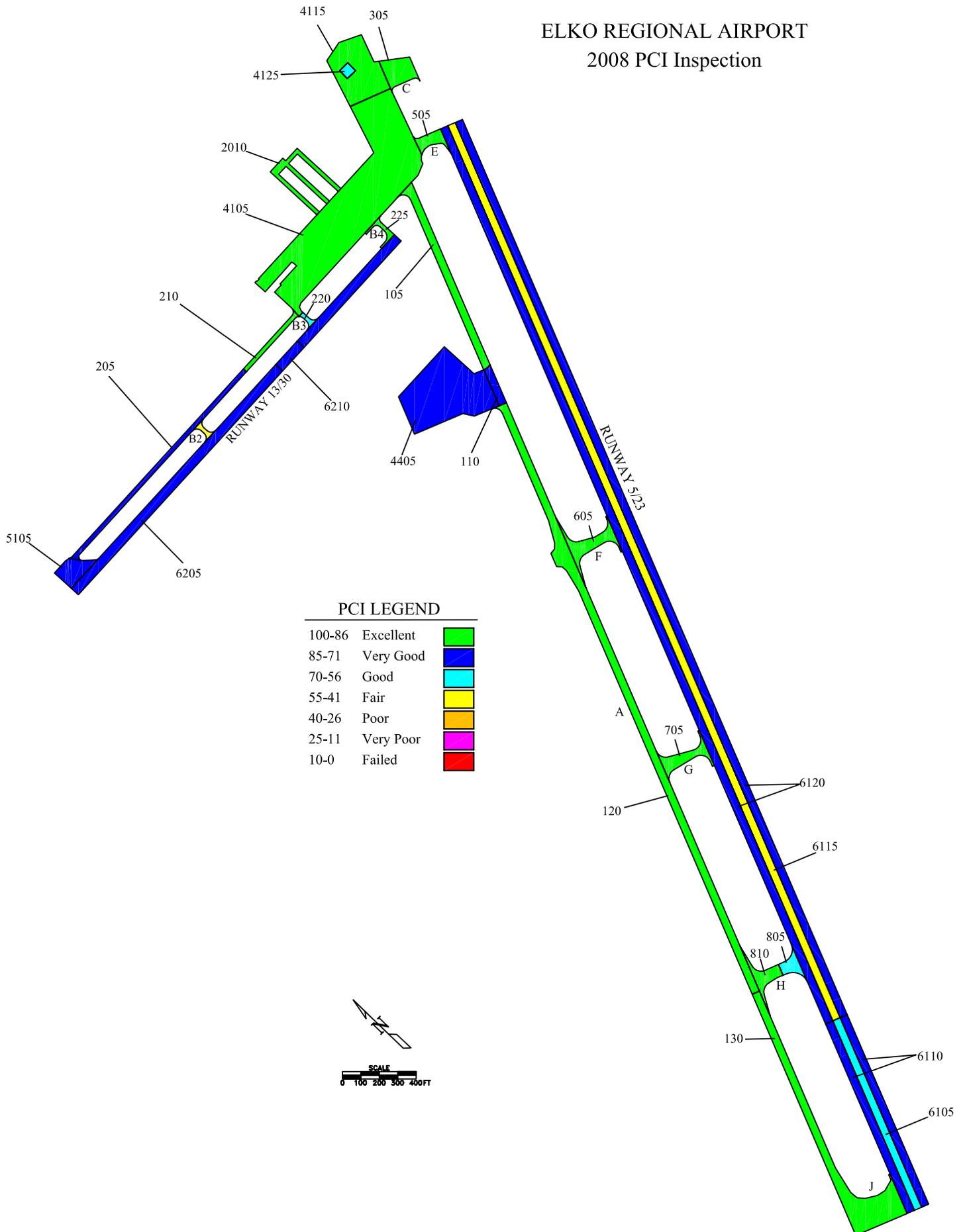
PCI analysis identified approximately **\$100,000** in pavement maintenance needs, such as patching and crack sealing, that could be completed immediately.

### Capital Needs

The following graph show the projected pavement condition. If no action is taken, the average PCI is projected to fall from **81** to **73** by **2014**. Selecting the longest life repair strategy is projected to cost approximately **\$1 million**. The lowest annual cost repairs are projected to cost **\$230,000**.



# ELKO REGIONAL AIRPORT 2008 PCI Inspection



# PCI HISTORY

FEATURE	PCI	TYPE	AGE	DET. RATE
105	100	AC	0	N/A
110	76	PCC	13	1.8
120	100	AC	0	N/A
130	100	AC	0	N/A
205	82	AC	9	2
210	96	AC	0	N/A
215	51	AC	16	3.1
220	60	AC	16	2.5
225	100	AC	0	N/A
305	100	AC	0	N/A
505	99	AC	0	N/A
605	100	AC	0	N/A
705	100	AC	0	N/A
805	65	AC/AC	13	2.7
810	100	AC	0	N/A
2010	97	AC	0	N/A
4105	96	AC	0	N/A
4115	98	AC	0	N/A
4405	78	PCC	7	3.1
5105	83	AC	16	1.1
6105	59	AC/AC	13	3.2
6110	75	AC/AC	13	1.9
6115	50	AC/AC	13	3.8
6120	75	AC/AC	13	1.9
6205	83	AC	13	1.3
6210	75	AC	9	2.8

# VIABLE CIP ACTIONS

FEATURE	ACTION YR	ACTION	COST (\$)	LIFE EXT
105	2008	No Action	0	0
110	2018	Patching / Joint Repair	159	4
110	2018	Repair and Overlay	44,264	14
120	2008	No Action	0	0
130	2008	No Action	0	0
205	2008	No Action	0	0
210	2008	No Action	0	0
215	2008	Structural Overlay	10,970	15
215	2008	Reconstruction	16,965	22
220	2008	Crack Repair	92	2
220	2008	Resurfacing	5,670	15
225	2008	No Action	0	0
305	2008	No Action	0	0
505	2008	No Action	0	0
605	2008	No Action	0	0
705	2008	No Action	0	0
805	2011	Crack Repair	598	1
805	2011	Structural Overlay	37,975	15
810	2008	No Action	0	0
2010	2008	No Action	0	0
4105	2008	No Action	0	0
4115	2008	No Action	0	0
4405	2014	Repair and Overlay	672,723	14
4405	2014	Slab Replacement	146,693	2
4405	2014	Slab Replacement / Joint Seal	146,693	4

# VIABLE CIP ACTIONS

FEATURE	ACTION YR	ACTION	COST (\$)	LIFE EXT
4405	2014	Slab Replacement / Patching / Joint Seal	148,269	4
4405	2014	Patching / Joint Repair	1,576	1
4405	2014	Reconstruction	1,890,848	21
5105	2008	No Action	0	0
6105	2008	Surface Treatment	27,254	4
6105	2008	Resurfacing	87,750	13
6110	2014	Crack Repair	10,173	1
6110	2014	Structural Overlay	378,299	13
6115	2008	Surface Treatment	131,695	2
6115	2008	Structural Overlay	893,660	13
6120	2014	Surface Treatment	242,016	9
6120	2014	Crack Repair	44,833	2
6120	2014	Resurfacing	829,170	13
6205	2008	No Action	0	0
6210	2014	Resurfacing	16,362	13
6210	2014	Surface Treatment	4,851	10
6210	2014	Crack Repair	849	2