

Pavement Condition Index

The Pavement Condition Index Matrix is a spreadsheet that can be used to score and rate the pavement condition of the roadways within Mission Hills, Kansas. This document describes the scoring matrix and the ranking criteria that is used.

The Pavement Condition Index Matrix uses two rating criteria to determine the Pavement Condition Index for a particular roadway. One rating criteria is the Age Rating. The Age Rating uses the "Road Class" and the "Years Since Last Rehab" to calculate an Age Rating score. The "Road Class" value is based on the "Street Type". Table 1 below shows the "Road Class" value associated with each "Street Type".

Table 1: Road Class Values

Street Type	Road Class Value
Residential (1)	20
Minor Arterial (2)	15
Arterial (3)	10

The "Road Class" value is divided by the "Years Since Last Rehab" and then multiplied by 30 to get the Age Rating Score for that particular roadway.

The other rating criteria used to determine the Pavement Condition Index is the Current Condition Rating. The Current Condition Rating uses the following categories to calculate the Current Conditions Rating score:

- Curb and Gutter
- Drive Approaches
- Longitudinal Cracks
- Traverse Cracks
- Alligator Cracks
- Potholes
- Ride of Road
- Asphalt Edge Spalling

Each of the categories above are given a rating of 0 to 3 based on their presence and the severity of their condition, with 0 being not applicable and 3 being worst condition. The ratings of each category are totaled and divided by 24 then multiplied by 30 to get the Current Condition Rating Score for that particular roadway. The Current Condition Rating Score can be a value between 0 and 30, with 0 being the best score and 30 being the worst score.

The Age Rating is weighted 33%, and the Current Conditions Rating is weighted 67% when calculating the Pavement Condition Index. The two weighted values are added together to calculate the Pavement Condition Index. The higher the Pavement Condition Index the worse the road condition. The exception to this is if the asphalt pavement has been milled and paved or the concrete has been patched, then the number may appear high due to the age of the road since last complete reconstruction which is not accounting for the repair work that has been completed.

Road Ratings 2015

	Pavement Condition Index		Street Ranking
Mission Rd.	37.5		1 m&p 2009
State Line Rd.	35.2		2 m&p-2011
63rd St	34.9	2016	3
65th St. - Indian Ln. to Mission Rd.	26.8		4
Oakwood - N. of 59th	26.4		5
High Dr. - 59th to Stratford	25.5		6
State Park Rd.	25.3		7
70th Terrace - State Line to Overhill Rd,	24.5		8
Oakwood - S. of 59th	24.4		9
Drury Ln.	24.1		10
Brookwood	23.2		11 m&p 2008
Arno	23.0		12
66th St. - Belinder to Tomahawk	23.0		12
Seneca	22.8		13
65th Terrace	22.8		13
Verona Rd. - Overhill to 63rd St.	22.5		14 m&p 2008
Verona Cir	22.1		15 m&p 2008
Wenonga Cir.	22.1		15 m&p 2007
Aberdeen	21.8		16
Wenonga Terrace	21.8		16
Verona Rd. - South of 63rd St.	21.3		17
70th St. - State Line to Overhill Rd	21.1		18
68th St. - Belinder to Tomahawk Rd.	20.7		19
Overhill Rd. - Mission Dr. to Mission Dr.	20.6		20
Willow Ln. - 67th St. to 68th St.	20.5		21 m&p 2015
High Dr. - Stratford to Mission Dr.	20.4		22
70th Terrace - Overhill to Belinder	20.4		22 m&p 2008
Romany	20.0		21
Sagamore - 65th to 67th	20.0		21
Wenonga Rd. - 63rd St. to Seneca	19.7		23 m&p 2011
Wenonga Rd. - Seneca to Tomahawk Rd.	19.7		23 m&p 2007
67th St. - State Line to Belinder	19.5		24 m&p 2015
69th Terrace	18.6		25
Overhill Rd. - 69th to 70th Ter	18.3		26
67th Terrace - Belinder to Tomahawk Rd	18.1		27
Tomahawk Rd.	17.8		28
65th St. - State Line to Tomahawk	17.8		28
Wenonga Terrace Cul de Sac	17.8		28
Overhill Rd. - Mission Dr. south to 63rd	17.7		29
Belinder - N. of 59th St.	17.3		30
66th St. - Mission Rd. to Indian Ln.	17.2		31 m&p 2008
66th Terrace	17.0		32 m&p 2012
Belinder Rd	16.7		33
Indian Ln. - S. of 63rd St.	16.4		34 m&p 2008
68th St. - State Line to Belinder	16.3		35
Norwood	15.7		36
Overhill Circle	15.4		37
Tomahawk Cir.	15.1		38
Pembroke Ct.	15.0		39
High Dr. - Mission Dr to 63rd St.	14.8		40

Overhill Cul de Sac	14.8	40
55th St	14.7	41
Indian Lane - N. of 63rd St.	14.5	42
Rainbow Ave.	14.5	42 m&p 2013
Willow Ln. - Tomahawk Rd to 67th St.	14.1	43
Ensley Ln.	14.0	44
Mission Dr.	13.1	45
Overhill Rd. - Willow Ln to 67th st.	13.1	45 m&p 2014
High Dr. Tomahawk to 68th	12.8	46
70th St. Cul De Sac	12.2	47
Stratford Rd.	11.5	48
67th Terrace - State Line to High Dr,	11.5	48
Guilford Ln	11.4	49
67th St. - Belinder to 67th Ter	11.2	50
Brookbank	10.4	51
59th St.	9.3	52
69th St. - State Line to Belinder	8.7	53
Cherokee	8.2	54
High Dr - 55th to 59th	8.2	54
67th St. - Tomahawk to Cherokee Ln.	8.2	54
56th St.	7.9	55
East Mission Dr.	7.7	56
Shadow Ln	7.7	56
61st Ter	7.7	56
69th St, - Belinder to Tomahawk	7.4	57
Overbrook	7.2	58
Pembroke Ln.	7.2	58

64th St. - Ensley to Belinder	2015 mill & pave only
64th St. - Indian Lane to Mission Rd.	2015
Verona Terrace	2015
Sagamore - Tomahawk to 65th St.	2015