3-Year Paving Program Projected Results

Using a standard rate of degradation for all classifications of road because adequate data do not exist to accurately predict degradation, the following tables show the impact of paving over the next fiscal years.

Table 1:

This is the average PCI for each classification of road at the beginning of each fiscal year based on changes to PCI due to paving projects and applying a rate of degradation to all other roadways. The table shows the positive change to the average PCI as funding has increased.

Avg PCI	Major Arterial	Minor Arterial	Primary Collector	Secondary Collector	Local
7/1/2015	78	62	69	69	65
7/1/2016	77	62	72	73	67
7/1/2017	84	67	75	76	68
7/1/2018	82	78	78	79	68
7/1/2019	85	81	79	79	69
7/1/2020	89	87	82	81	69
7/1/2021	94	93	86	85	70

Table 2:

This is the percentage of roads within each classification that fall into the Pavement Condition Index categories at the beginning of each fiscal year.

% in PCI Range		Major Arterial	Minor Arterial	Primary Collector	Secondary Collector	Local
Very Good - Excellent (PCI = 86-100)	7/1/2015	46%	10%	16%	15%	13%
	7/1/2016	46%	14%	27%	28%	17%
	7/1/2017	57%	24%	35%	35%	17%
	7/1/2018	53%	46%	44%	44%	18%
	7/1/2019	61%	55%	48%	45%	20%
	7/1/2020	73%	69%	56%	53%	22%
	7/1/2021	85%	86%	66%	63%	24%
Good (PCI = 71-85)	7/1/2015	14%	21%	31%	31%	31%
	7/1/2016	12%	16%	24%	22%	30%
	7/1/2017	17%	15%	22%	20%	29%
	7/1/2018	21%	13%	19%	16%	28%
	7/1/2019	15%	12%	17%	14%	27%
	7/1/2020	13%	9%	16%	13%	25%
	7/1/2021	10%	7%	14%	13%	25%
Fair (PCI = 56-70)	7/1/2015	23%	31%	27%	31%	27%
	7/1/2016	24%	29%	25%	31%	27%
	7/1/2017	13%	26%	24%	32%	28%
	7/1/2018	11%	21%	23%	32%	28%
	7/1/2019	14%	17%	22%	32%	28%
	7/1/2020	10%	11%	19%	27%	29%
	7/1/2021	5%	4%	15%	20%	27%
Poor (PCI = 41-55)	7/1/2015	15%	28%	21%	19%	17%
	7/1/2016	17%	29%	20%	15%	17%
	7/1/2017	13%	24%	16%	11%	17%
	7/1/2018	14%	17%	12%	8%	17%
	7/1/2019	10%	13%	11%	8%	16%
	7/1/2020	3%	8%	7%	6%	16%
	7/1/2021	0%	2%	4%	4%	16%
Very Poor (PCI = 40-0)	7/1/2015	1%	9%	5%	5%	11%
	7/1/2016	1%	12%	4%	4%	10%
	7/1/2017	0%	11%	3%	2%	9%
	7/1/2018	1%	3%	2%	1%	9%
	7/1/2019	0%	3%	2%	1%	8%
	7/1/2020	1%	2%	2%	1%	8%
	7/1/2021	0%	1%	1%	0%	7%

Table 3:

This table shows the percentage of roads at the beginning of each fiscal year in relation to the goals Public Works established to measure success. The goal for Public Works is to have at least 80% of the arterial and collector roads with a PCI > 55 and no more than 2% with a PCI < 40. The local road goal is to have at least 72% with a PCI > 55 and no more than 10% with a PCI < 40.

Projected Conditions		Major Arterial	Minor Arterial	Primary Collector	Secondary Collector	Local
PCI > 55	7/1/2015	84%	63%	74%	77%	72%
	7/1/2016	82%	59%	76%	81%	73%
	7/1/2017	87%	65%	81%	87%	74%
	7/1/2018	85%	80%	86%	92%	74%
	7/1/2019	90%	84%	88%	91%	75%
	7/1/2020	96%	90%	91%	93%	76%
	7/1/2021	100%	97%	95%	96%	76%
PCI < 40	7/1/2015	1%	9%	5%	4%	10%
	7/1/2016	1%	11%	4%	4%	9%
	7/1/2017	0%	10%	3%	2%	8%
	7/1/2018	1%	3%	1%	1%	8%
	7/1/2019	0%	2%	2%	1%	8%
	7/1/2020	0%	2%	1%	1%	7%
	7/1/2021	0%	1%	1%	0%	7%