

Brown County Five Year Road & Bridge Construction Program

State Aid Allotment + \$125,000 Local Levy + Wheelage Tax		(5% annual inflation used)				Updated		9/15/2015									
Bonding column depends on if there is available funds. If not available, Regular State Aid or Twp Bridge funds must be used depending on the project.																	
PQI is Pavement Quality Index																	
CIR is Cold Inplace Recycle																	
				Est Year End Balance		2015		\$0		\$400,000		\$0		\$0		\$0	
2016 Construction Season																	
Project	Year Surfaced	2013 PQI	ADT	Location	Mi	Reg. S.A.	Muni. S.A.	Fed.	Twp. Br.	Bond							
# 3 CIR & Overlay	1996	Fair	600	# 23 to # 4	2.8	\$850,000	\$0	\$0	\$0	\$0							
# 3 CIR & Overlay	1996	Poor	370	# 4 to Springfield	0.8	\$100,000	\$150,000	\$0	\$0	\$0							
# 17 CIR & Overlay	1992	Poor	880	Along So. Co. Line	6.8	\$2,000,000	\$75,000	\$0	\$0	\$0							
# 18 CIR & Overlay	1990	Poor	220	# 8 to TH 4	4	\$900,000	\$0	\$0	\$0	\$0							
# 13 Bridge Repair	NA	NA	2200	Cottonwood River	NA	\$250,000	\$0	\$0	\$0	\$250,000							
Total					14.4	\$4,100,000	\$225,000	\$0	\$0	\$250,000							
Estimated Allotment plus local balance					2016	\$3,860,000	\$180,000	\$0	\$70,000	\$0							
Year End Balance					2016	(\$240,000)	\$355,000	\$0	\$70,000	\$0							
2017 Construction Season																	
Project	Year Surfaced	2013 PQI	ADT	Location	Mi	Reg. S.A.	Muni. S.A.	Fed.	Twp. Br.	Bond							
# 6 Shld Widen/Grade	1997	Poor	750	Along So. Co. Line	3.8	\$1,400,000	\$0	\$0	\$0	\$0							
#13 Shld Widen/Grade	1997	Fair	770	# 6 to # 20	2.8	\$1,000,000	\$100,000	\$0	\$0	\$0							
Replace Bridge L1492	NA	NA	NA	360 St Eden Twp	NA	\$0	\$0	\$0	\$150,000	\$0							
Total					6.6	\$2,400,000	\$100,000	\$0	\$150,000	\$0							
Estimated Allotment					2017	\$2,800,000	\$180,000	\$0	\$70,000	\$0							
Year End Balance					2017	\$160,000	\$435,000	\$0	(\$10,000)	\$0							
2018 Construction Season																	
Project	Year Surfaced	2013 PQI	ADT	Location	Mi	Reg. S.A.	Muni. S.A.	Fed.	Twp. Br.	Bond							
# 6 CIR & Overlay	1997	Poor	750	Along So. Co. Line	3.8	\$1,500,000	\$0	\$0	\$0	\$0							
# 13 CIR & Overlay	1997	Fair	770	# 6 to # 20	2.8	\$1,000,000	\$100,000	\$0	\$0	\$0							
Total					6.6	\$2,500,000	\$100,000	\$0	\$0	\$0							
Estimated Allotment					2018	\$2,800,000	\$180,000	\$0	\$70,000	\$0							
Year End Balance					2018	\$460,000	\$515,000	\$0	\$60,000	\$0							

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2019 Construction Season

<u>Project</u>	<u>Year Surfaced</u>	<u>2013 PQI</u>	<u>ADT</u>	<u>Location</u>	<u>Mi</u>	<u>Reg. S.A.</u>	<u>Muni. S.A.</u>	<u>Fed.</u>	<u>Twp. Br.</u>	<u>Bond</u>
# 29 CIR & Overlay	2000	Good	2450	TH 4 to # 12	10.6	\$4,200,000	\$0	\$0	0	\$0
				Total	10.6	\$4,200,000	\$0	\$0	\$0	\$0
				Estimated Allotment	2019	\$2,800,000	\$180,000	\$0	\$70,000	\$0
				Year End Balance	2019	(\$940,000)	\$695,000	\$0	\$130,000	\$0

2020 Construction Season

<u>Project</u>	<u>Year Surfaced</u>	<u>2013 PQI</u>	<u>ADT</u>	<u>Location</u>	<u>Mi</u>	<u>Reg. S.A.</u>	<u>Muni. S.A.</u>	<u>Fed.</u>	<u>Twp. Br.</u>	<u>Bond</u>
# 13 CIR & Overlay	2002	Fair	2200	TH 4 to # 12	9	\$2,500,000	\$0	\$1,300,000	0	\$0
Replace Bridge L5455	NA	NA	NA	370 Ave Bashaw	NA	\$0	\$0	\$0	\$175,000	\$0
				Total	9	\$2,500,000	\$0	\$1,300,000	\$175,000	\$0
				Estimated Allotment	2020	\$2,800,000	\$175,000	\$0	\$70,000	\$0
				Year End Balance	2020	(\$640,000)	\$870,000	\$0	\$25,000	\$0

2013 Rating Results

<u>2015 \$/Mile Costs</u>	<u>PQI Scale</u>	<u>Condition</u>	<u>Brown Co.</u>	<u>Est. Life</u>
Chip Seal	3.7-4.5	Very Good	13.00%	20
2" Overlay	3.3-3.6	Good	40.1%	15
CIR & 2" Overlay Project	2.9-3.2	Fair	37.2%	10
CIR & 3 " Overlay Project	2.5-2.8	Poor	9.2%	5
	0-2.4	Very Poor	0.5%	2

2005 PQI overall average was 3.5 which is in the good category

2009 PQI overall average was 3.0 which is in the fair category

2013 PQI overall average was 3.3 which is in the good Category

2013 Maintenance \$/Mile Costs

Gravel Roads	\$5,531
Bituminous Roads	\$5,284

Not Scheduled in 5 Year Program

note: Industry standard has been to overlay or resurface a road before its surface is 20 years old.

State Aid Allotment + \$125,000 Local Levy + Wheelage Tax										
Surfacing		2013 PQI	ADT	Location	Mi	Cost	Last Overlay	Last Grade	2015 Surface Age	
# 7 CIR & Overlay	(Reg. & Muni)	Good	165	TH 14 to TH 68	5.6	\$1,250,000	1996	1950	19	
# 8 CIR & Overlay		Fair	600	# 24 to TH 14	4.2	\$1,200,000	1996	1967	19	
# 8 CIR & Overlay		Fair	960	TH 14 to TH 68	4.1	\$1,200,000	1996	1970	19	
# 8 CIR & Overlay		Fair	85	TH 68 to # 29	2	\$450,000	1998	1976	17	
# 8 CIR & Overlay		Fair	95	# 30 to # 10	3.8	\$850,000	1989	1961	26	
# 9 CIR & Overlay		Fair	80	S. Co. Line to # 18	1	\$250,000	1990	1966	25	
# 10 CIR & Overlay		Fair	275	# 27 to # 29	4.5	\$1,300,000	1997	1976	18	
# 11 CIR & Overlay		Fair	200	# 20 to # 22	3	\$700,000	1999	1966	16	
# 11 CIR & Overlay		Fair	360	# 24 to TH 14	6	\$1,300,000	1997	1972	18	
# 11 Mill & Overlay		Poor	465	Essig	0.3	\$150,000	1997	1961	18	
# 11 CIR & Overlay		Good	180	Essig to # 29	2.4	\$550,000	1997	1960	18	
# 12 CIR & Overlay		Good	350	TH 14 to # 29	1.1	\$250,000	2000	1990	15	
# 13 Mill & Overlay		Fair	6500	Camels Rd to Broadway	1.04	\$700,000	1998	1998	17	
# 20 CIR & Overlay		Fair	330	# 10 to # 11	4.7	\$1,050,000	1999	1962	16	
# 20 CIR & Overlay		Fair	570	# 11 to # 13	4.1	\$1,200,000	1995	1995	20	
# 20 CIR & Overlay		Fair	260	# 13 to TH 15	3.7	\$850,000	1998	1963	17	
# 21 CIR & Overlay		Poor	180	W.Co. Line to # 2	2	\$450,000	1994	1972	21	
# 21 CIR & Overlay		Poor	65	# 2 to # 3	3	\$700,000	1994	1972	21	
# 24 CIR & Overlay		Fair	610	# 5 to # 16	3	\$850,000	1989	1989	26	
# 24 CIR & Overlay		Fair	320	# 16 to # 8	5.1	\$1,150,000	1994	1994	21	
# 24 Mill & Overlay		Fair	510	Leavenworth	0.4	\$150,000	1996	1996	19	
# 24 CIR & Overlay		Fair	500	# 11 to # 13	5	\$1,400,000	1997	1982/1997	17	
# 24 CIR & Overlay		Good	360	# 13 to TH 15	3	\$850,000	2000	1998	15	
# 24 Mill & Overlay		Good	330	Searles	0.6	\$200,000	2000	2000	15	
Total					73.64	\$19,000,000				
Shoulder Widening and Regrading			ADT	Location	Mi	Cost	Lane	Shoulder	Overlay	Top
# 3 Shoulder Widen & Regrade			160	# 21 to # 23	2	\$700,000	12	2	1993	24
# 7 Shoulder Widen & Regrade			165	TH 14 to TH 68	5.6	\$2,000,000	11	2	1996	24
# 11 Shoulder Widen & Regrade			180	Essig to # 29	2.4	\$850,000	11	2	1997	24
# 18 Shoulder Widen & Regrade			220	# 8 to TH 4	4	\$1,400,000	11	3	1990	24
# 19 Shoulder Widen & Regrade			115	TH 15 to E. Co. Line	2.6	\$950,000	12	1	1991	24
# 24 Shoulder Widen & Regrade			330	TH 15 to E. Co. Line	3	\$1,050,000	12	2	1995	24
Total Unscheduled						\$6,950,000				
Total Unscheduled						\$25,950,000				
all estimates for projects not scheduled are in 2015 dollars										

<u>Township Bridges Requested to Replace</u>	<u>ADT</u>	<u>Location</u>	<u>Twp. Br.</u>	<u>Bonding</u>	<u>Suff. Rate</u>	<u>Deficient</u>
L5477	20	112 Ave Linden Twp			78.2	Adequate
L5436	23	250 St Prairieville Twp			82	Adequate
L5738	20	Grandview Rd Sigel Twp			70.6	Adequate
L5440	31	300 St Eden Twp			68.6	Adequate