

Draft used for working meeting 1/5/2021

Proposed Road Maintenance plan for Princeton Township

Disclaimer - This spreadsheet is used as a budgeting and tracking tool only.
The final costs, quantities and actual dollar amounts are not known at this time.

2021

WE APPEAR TO HAVE APPROX. \$26K REMAINING FROM 2020.

Please refer to CTAS for the actual budget information.

Paved Streets CTAS 43121						
Improvements Aves., Streets & Roadways	Road Repair & Maintenance				d Streets CTAS 43122	
	Chip Seal	Post Sweep	Crack Fill	Overlay	Gravel	Dust Control
	\$124,000					
Budget	\$60,000	\$30,000	\$30,000	\$0	\$35,000	\$0
Used	\$60,104	\$25,414	\$3,277	\$28,356	\$31,727	\$13,345
Balance	-\$104	\$4,586	\$1,644		\$3,273	-\$13,345

Project #	Work type	Sec.	Road Name	Street or Avenue	Beg.	End	Location	Surface Type	ADT	Length in Ft.	Width	Area Sq. Ft.	CU. Yds.	Sq. Yds.	Budget
2021	Overlay	20	Brickton Road		C.R. 29	2350 N. of C.R. 29		Bit.	173.2	2350	24	56,400		6,267	\$60,104
	Chip seal		1.64 Miles					Post Sweep						19,057	
	Chip seal	20	Baptist Church Rd.			Last work done was CF in 2011		Bit.	>400	2870	24			7,653	
	Chip seal	20	Baptist Church Rd.			Last work done was CF in 2011		Bit.	98	3360	24			8,960	\$14,273
	Chip seal	34	Afton Rd.			Last work done was CF in 2009		Bit.	30~	607	18			1,214	1,934
	Chip seal	34	Annex Rd.			Last work done was CF in 2009		Bit.	30~	615	18			1,230	
NEW	Chip seal	34	Audubon Rd.			Last work done was CF in 2018??		Bit.	40~	1185	24			3,160	
	DBL Chip Seal	21	Bluff Rd. (81st Ave)		West Cul-de-sac	East Cul-de-sac		Bit.	30~	885	24			2,360	
	DBL Chip Seal	21	36 St. (Bluff Rd.)		82nd Ave.	Bluff Rd.		Bit.	30~	440	24			1,173	
	Crack Fill		\$30,000 worth					Crack filling							
		21	33 St.		2640' W. of C.R. 4	C.R. 4		Bit.	459	2640	20			5,867	\$3,274
		36	54 Av.		14th St.	16th St.		Bit.	71~	1750	22			4,278	
		36	14 St.		55th Ave	54th Ave		Bit.	63.5	915	22			2,237	
		36	16 St.		55th Ave	54th Ave		Bit.	79	940	22			2,298	
		36	55 Ave.		C.R. 1 (Alpha Rd.)	C.R. 117 (Apsen Rd.)		Bit.	168	5275	22			12,894	
		36	Aloe Cr.		18th St.	N. end of Cul-de-sac		Bit.	<15	400	22			978	
		36	18th St.		55th Ave.	East end of Cul-de-sac		Bit.	42~	1100	22			2,689	

Gravel	Approx. 1/3 of all gravel roads	Total Miles	Thinckness	10		12		17		LV=	Length in Ft.	Width	Area Sq. Ft.	CU. Yds.	\$/C.Y.
				Length of Coverage (LoC)	Loads Needed	LoC	Loads Needed	LoC	Loads Needed						
		7.81	(1"= .083 ; 1.5"= .125 ; 2"= .167)	For the width of road	Needed			#DIV/0!	0	Gravel	ADT	41,252	??	721,847	2,644
Gravel	6	70th (W. of TH169)	Street							Gravel	14	1,742	15.5	27,001	0
Gravel	2	67th (E. of River)	Street					346	11	Gravel	21	3,000	16	48,000	192
Gravel	3	67th (W. or River)	Street					335	7	Gravel	14	1,800	16.5	29,700	119
Gravel	2	65th (E. of C.R. 1)	Street					346	6	Gravel	21	1,600	16	25,600	102
Gravel	3	65th (W. of C.R. 1)	Street					325	5	Gravel	7	1,340	17	22,780	91
Gravel	4	65th (E. of C.R. 4)	Street					216	16	Gravel	35	2,600	17	44,200	266
Gravel	4	65th (W. of C.R. 4)	Street					338	10	Gravel	35	2,650	17	45,050	174
Gravel	6	65th (W. of W.Branch Ru)	Street					299	5	Gravel	7	1,256	18.5	23,236	93
Gravel	4	60th	Street					338	10	Gravel	21	2,640	17	44,880	173
Gravel	10	55th	Street					204	8	Gravel	28	1,320	18	23,760	143
Gravel	6 / 7	105th	Avenue					709	10	Gravel	28	5,600	18.5	103,600	175
Gravel	5	100th	Avenue					827	7	Gravel	14	4,200	18.5	77,700	112
Gravel	4 / 5	90th (N. end)	Avenue					612	2	Gravel	7	824	15	12,360	30
Gravel	4 / 5	90th (S. end)	Avenue					335	10	Gravel	7	2,680	16.5	44,220	177
Gravel	3 / 4	80th (N. of 65th St.)	Avenue					335	6	Gravel	28	1,420	16.5	23,430	94
Gravel	3 / 4	80th (S. of 65th St.)	Avenue					284	12	Gravel	48	2,660	19.5	51,870	207
Gravel	10	77th	Avenue					307	6	Gravel	21	1,320	18	23,760	95
Gravel	1	55th	Avenue					284	12	Gravel	35	2,600	19.5	50,700	203
									144						
									2443.9						
			Hrs./mile							\$/Hr.		Miles		Total Hrs.	
			3							110		7.81		23.44	
			Misc. locations as needed throughtout the year											200	\$12.00

New	Dust Control	12/13	50th (E. 1/2)	Street	Site E-2020	Applied at 3%	\$/LF, 18'wide	7 / 19	43	2,630	18					\$1,710
New	Dust Control	12/13	50th (W. 1/2)	Street	Site E-2020	Applied at 2%	\$/LF, 18'wide	20 / 19	64	2,630	18					\$1,710
	Dust Control	19	35th (W. of C.R. 102)	Street	Site 2-2020			16	52.9	5,260	18					\$2,893
New	Dust Control	20	Brickton Road	Street	Site G-2020			25	80	1,250	18					\$813
	Dust Control	21	87th (Sunset Drive)	Street				20	41	730	18					\$402
New	Dust Control	31	107th (S. end 250')	Ave	Site P-2020			12	62	250	18					\$163
New	Dust Control	32	107th (N. end 2500')	Ave	Site P-2020			12	62	2,500	18					\$1,625
New	Dust Control	31	17th (W. end 1600')	Street	Site 1-2020			27	121	1,600	18					\$1,040
New	Dust Control	31	17th (E. end 3675')	Street	Site 1-2020			5	59	3,675	18					\$2,389
	Dust Control	34	19th (N. to 72nd Ave)	Street	Site 3-2020			22	38	1,095	18					\$602