

TOWN OF FOREST HEIGHTS

Road Resurfacing Program



- Priority 1 (1 to 2 years)
- Priority 2 (3 to 4 years)
- Priority 3 (5 to 6 years)
- Priority 4 (7 years & later)

Source: Oscar Baca Report
October 27, 2004

OCTOBER 2004 BOCA REPORT ESTIMATES FOR REPAIRING FOREST HEIGHTS STREETS (Part I Quantities)

Street	Length	Avg . Width	Prep & Patch	Milling	Total Asphalt Note (3)	Curb & Gutter	Side-walk	Driveways Resi- dence	Com mercial	Adjust Man Holes	Adjust Water Valves	Gas Box	Lamp Hole	Con- crete Swale	Under Drain	Inlet Troat	Wadge & Level	Steps	Speed Hump	Water Vault	
	Feet	Feet	SqYd	SqYd	Tons	LnFt	SqFt	SqYd	SqYd	Units	Units	Units	Units	S.Y.	L.F.	L.F.	Tons	L.F.	Units	Units	
Arapahoe Dr	2,390	22	180	170	600			40		1	1			182							
Pitt Lane	605	24	50	1,007	155	496	725	76		1											
Arapahoe Ter	1,113	18	90	3,540	214	500	800			1				25							
Terrell Ave	1,755	24	300	2,741	450	1,200	4,150	100		3	1									1	
Sumner Ln	515	24	200	887	132	500	1,800	60		1											
Quade St	1,720	34	250	2,500	623	1,000	2,500	260		3	3										
Commanche Dr	1,000	34	25	1,540	362	450	2,088	144						250							
Modoc Ln	1,070	24	50	1,627	274	2,140	480	128		3	3			2		24					
Miles Dr	285	24	25	480	73	570	128	64				1						20			
Shawnee Dr	1,400	24	230	2,070	358	2,800	640	320	95	2	2	1				30					
Alden Way	260	24	85	450	67	200	100	64													
Ottawa Street	2,730	24	50	3,840	700	5,460	4,128	798		8	6	1	1			150					
Spokane Dr	440	24	25	690	113	880	500	80		2		1				25					
Shoshone Dr	850	24	225	1,334	218	750	1,200	440		1		1									
Choctaw Dr	720	24	270	1,160	184	500	1,500	115		1						40					
Sachem Dr	3,100	31	260	1,540	1,025	300	500	192		4	1			160		20					1
Cree Dr Sec1	2,350	24	50	3,234	601	4,000	480	160		4	1										2
Cree Dr Sec2	1,340	24	200	1,987	345	1,000	480	100							300		40				
Seneca Dr	2,850	24	25	4,000	729	5,700	400	160		1	1										3
Onondaga Dr	1,580	24	214	2,307	404	3,160	400	390		2	1					24					
Tecumseh Dr	1,000	24	50	1,434	256	600	400	48		2											
Woodland Dr	2,950	24	90	4,134	754	3,760	400	285		5	1					45					1
Fox Way	700	24	80	1,134	180	500	450	128		2											
Delaware Dr	840	24	40	1,320	215	1,680	400	80		1	1										
North Huron Dr	2,650	25	230	3,734	705	5,300	450	458		8	2					45					2
South Huron Dr	1,570	25	45	2,294	418	3,140	450	435		3	2					40					3
Mohican Dr.	1,600	24	140	2,334	409	3,200	450	208		2	2					45					1
Black Hawk Dr	1,805	24	250	2,607	462	3,610	400	176		6	2	1	1								
Sachem Ln	1,000	21	100	1,334	224			160				1									
Black Hawk Ln	990	20	125	1,320	211			160													
Iroquois Way	1,150	24	150	1,734	294	2,300	450	100		3						45					2
Rolph Dr	1,370	24	40	2,027	351	2,740	450	144		3						45					3
MB Parking Lot	Note (4)		230		206					1						30					
Town TOTAL	45,698	782	4,374	62,510	12,312	58,436	27,299	6,073	95	74	32	5	2	369	580	578	40	20	19	1	

Percent of Total

- General Notes: (1) Asphalt resurfacing use 9.5mm superpave -- 64-22 additive.
 (2) Road conditions: Good = more than 7 years; Fair = 5-6 years; Fair to bad = 3-4 years; Bad = 1-2 years.
 (3) Total asphalt is 1.5" + 15% over. (4) Area of parking lot is 19,318 Sq. Ft.

Notes: Some totals may not add correctly because of rounding errors to the nearest dollar. This table based on October 27, 2004 Boca report.

OCTOBER 2004 BOCA REPORT ESTIMATES FOR REPAIRING FOREST HEIGHTS STREETS (Part II Cost Estimates & Comments)

Street	Asphalt	Prepare Existing Pavement Patches	Wadge & Level	Curb & Gutter		Side-walk	Residential	Com-mercial	Adjust Utilities	Milling	Con-crete Swale	Under Drain	Inlet Troat	Other Park-ing Lot	Steps	Speed Hump	Street TOTAL	Surface Condition	Curbs Buried by Asphalt	Notes
				Type 1	Type 2															
Arapahoe Dr	27,360	4,500							350	298	5,460						37,968	Fair to Bad		From Lvngstn Rd to +/- 1,500' S of Lvngstn Rd surface in fair condition (est \$20,000); From #5700 to end, surface fair to bad
Pitt Lane	7,068	3,750		9,424		2,900	2,888		250	1,762							28,042	Bad		Install handicap ramps with curbs.
Arapahoe Ter	9,758	2,250		9,500		3,200			250	6,195	750						31,903	Bad		Roadway surface must be milled full width 1.5" depth.
Terrell Ave	20,520	7,500			22,800	16,600	3,800		850	4,797						1,500	78,367	Bad		Install handicap ramps with curbs.
Sumner Ln	6,019	5,000		9,500	7,200	2,280			250	1,552							31,801	Bad		Install handicap ramps with curbs.
Quade St	28,409	6,250		19,000	7,200	9,880		1,050	4,375							1,500	77,664	Bad		Install handicap ramps with curbs.
Commanche Dr	16,507	625		8,550	8,352	5,472				2,695	3,750						45,951	Fair		Probably under drain will be required betwn Lvngstn to #1007
Modoc Ln	12,494	1,250		40,660	1,920	4,864		1,550	2,847			600					66,186	Good	Yes	Utilities are low. Lead walks only.
Miles Dr	3,329	625		10,830	512	2,432		100	840					500			19,168	Good	Yes	
Shawnee Dr	16,325	5,750		53,200	2,560	12,160	4,370	1,200	3,623		4,500	750					104,437	Bad		Possible underdrain between #5608 to #5600 @ +/-330' L.F.
Alden Way	3,055	2,125		3,800	400	2,432				788							12,600	Bad		
Ottawa Street	31,920	1,250		103,740	16,512	30,324		3,200	6,720			3,750				4,500	201,916	Fair	Yes	+/- 35% is type II Curb.
Spokane Dr	5,153	625		16,720	2,000	3,040		1,000	1,208			625					30,370	Fair to Bad	Yes	
Shoshone Dr	9,941	3,750		14,250	4,800	16,720		350	2,335								52,145	Bad		
Choctaw Dr	8,390	6,750		9,500	6,000	4,370		250	2,030			1,000					38,290	Bad		
Sachem Dr	46,740	6,500		5,700	2,000	7,296		1,100	2,695	4,800		500				1,500	78,831	Bad		Between #5711 to #5803 do not pave parking secc 1.5" joint along parking secc. (Lengths: 2,400' @ 24' width; 700' @ 55' width.)
Cree Dr Sec1	27,406	1,250		76,000	1,920	6,080		1,200	5,660							3,000	122,515	Fair	Yes	
Cree Dr Sec2	15,732	5,000	1,600	19,000	1,920	3,800			3,477		4,500						55,029	Bad		Sec. that failed due to slope required wadge & level (don't patch this section).
Seneca Dr	33,242	625		108,300	1,600	6,080		350	7,000							4,500	161,697	Good	Yes	
Onondaga Dr	18,422	5,350		60,040	1,600	14,820		600	4,037			600					105,470	Bad	Yes	
Tecumseh Dr	11,674	1,250		11,400	1,600	1,824		500	2,510								30,757	Fair to Bad	One side	
Woodland Dr	34,382	2,250		71,440	1,600	10,830		1,350	7,235			1,125				1,500	131,712	Fair	Some	
Fox Way	8,208	2,000		9,500	1,800	4,864		500	1,985								28,857	Bad		
Delaware Dr	9,804	1,000		31,920	1,600	3,040		350	2,310								50,024	Fair	Yes	
North Huron Dr	32,148	5,750		100,700	1,800	17,404		2,200	6,535			1,125				3,000	170,662	Fair	Yes	
South Huron Dr	19,061	1,125		59,660	1,800	16,530		950	4,015			1,000				4,500	108,640	Fair	Yes	
Mohican Dr.	18,650	3,500		60,800	1,800	7,904		700	4,085			1,125				1,500	100,064	Bad	Yes	
Black Hawk Dr	21,067	6,250		68,590	1,600	6,688		2,300	4,562								111,057	Fair to Bad	Yes	
Sachem Ln	10,214	2,500				6,080		100	2,335								21,229	Fair		Mill in center of the road due to drainage runs in the middle of the road (before resurfacing).
Black Hawk Ln	9,622	2,625				6,080			2,310								20,637	Fair		Mill in center of the road due to drainage runs in the middle of the road.
Iroquois Way	13,406	3,750		43,700	1,800	3,800		750	3,035			1,125				3,000	74,366	Fair	Yes	
Rolph Dr	16,006	1,000		52,060	1,800	5,472		850	3,635			1,125				4,500	86,447	Fair		
MB Parking Lot	9,394	5,750						250		900			1,210				17,504	Bad		
Town TOTAL	561,427	109,475	1,600	1,037,514	72,770	106,396	229,254	4,370	24,700	109,480	11,910	12,750	14,450	1,210	500	34,500	\$2,332,306		16	
Percent of Total	24.1%	4.7%	0.1%	44.5%	3.1%	4.6%	9.8%	0.2%	1.1%	4.7%	0.5%	0.5%	0.6%	0.1%	0.0%	1.5%	100.0%			