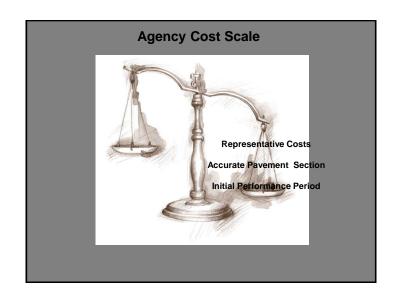
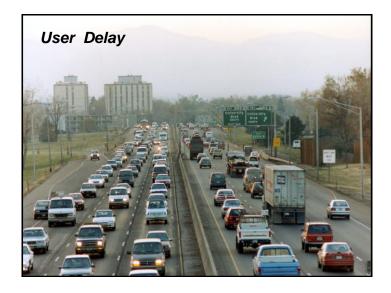
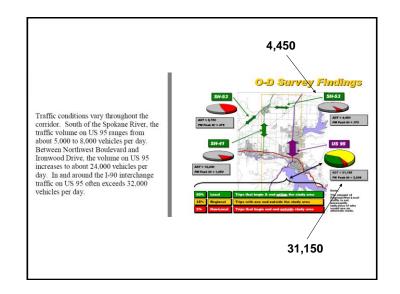
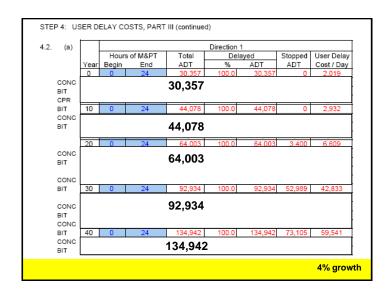


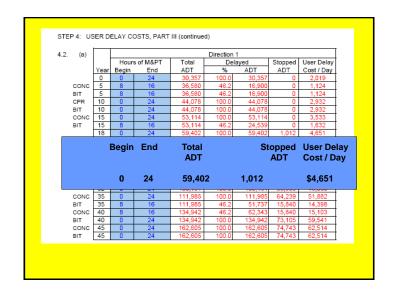
Present Worth Analysis (In/mi) for -			10	435	5.03	Present Worth Analysis (In/mi) for -	LCCPub408			360
	13-inch sec	tion + ATPB		305.5	chirmst	40 !				
8-inches o	f HMA	A base	•		4	10-inches of	HIVIA	base		-
THE PERSON NAMED IN COLUMN TWO		THE REAL PROPERTY.	THE REAL PROPERTY.	100000	Year	Construction flam and/or Material		Costinit		PW
Construction Item anglor Material	Quanty Uni	Contituit	Corrent Price	PW	_ 0	10" HMA Base (3 - 10 EAL)	7040 sy	\$ 57.85	\$223,221	\$223,22
0 8" HMA Base (3 - 10 EAL)	7040 sv		\$178.577	\$178.577	0	3" HMA Binder (3 - 10 EAL)	7040 sy		\$73,181	\$73,18
0 3" HMA Binder (3 - 10 EAL)	7040 sy		\$73.181		0	2" HMA Wearing (3 - 10 EAL) 0" HMA Base (0.3 - 3 EAL)	7040 sy 4106 sy		\$58,854 \$130,191	\$58,85 \$130.15
0 2" HMA Wearing (3 - 10 EAL)	7040 sy			\$73,181	0	3" HMA Binder (0.3 - 3 EAL)	4106 sy	\$ 63.00	\$42,682	\$42.6
018" HMA Base (0.3 - 3 EAL)			\$58,854	\$58,854		2" HMA Wearing (0.3 - 3 EAL)	4106 sy		\$34.326	\$34.30
	4106 sy		\$104,153	\$104,153		4° ATPB	11146 sy	\$ 9.70	\$108.116	\$108.1
0 3" HMA Binder (0.3 - 3 EAL)	4106 sy		\$42,682	\$42,682		Maint. & Protection of Traffic @10%	1 18	\$67,057	\$87,057	\$67,05
0 2" HMA Wearing (0.3 - 3 EAL)	4106 sy		\$34,326	\$34,326	0	Mobilization @5%	1 15	\$33,529	\$33,529	\$33,50
0 4" ATPB	11146 sy	\$ 9.70	\$108,116	\$108,116					0.000	100
0 Maint, & Protection of Traffic @10%	1 s	\$59,989	\$59,989	\$59,989		Deep Patch 2% (mainline)	141 sy	\$ 81.00	\$11,405	\$7,70
0 Mobilization @5%	1 15	\$29,994	\$29,994	\$29,994		Mill 1.5" (mainline) 1.5" hma overlay (mainline)	7040 sy 7040 sy	\$ 4.00	\$28,160 \$44,141	\$19,00
	10	40,003	960,004	92.0,004	10	Seal Coat Shoulders	4106 sy	\$ 1.20	\$4,141	\$3.3
10 Deep Patch 2% (mainline)	141 sv	\$ 81.00	\$11,405	A7 744	10	Maint. & Protection of Traffic @10%	11/25	\$ 8.863.28	\$8.863	\$5.9
10 Mill 1.5' (mainline)	7040 sv			\$7,705	10	Mobilization @5%	1 18	\$ 4,431.64	\$4.432	\$2.9
10 1.5" hma overlay (mainline)			\$28,160	\$19,024						
	7040 sy		\$44,141	\$29,820	15	Seal Coat Shoulders	4106 sy	\$ 1.20	\$4,927	\$2,7
10 Seal Coat Shoulders	4106 sy		\$4,927	\$3,329						
10 Maint: & Protection of Traffic @10%	1 ls	\$ 8,863.28	\$8,863	\$5,988		Deep Patch 2% (mainline)	141 sy		\$11,421	\$5,2
10 Mobilization @5%	11/5	\$ 4,431.64	\$4,432	\$2,994		#60 scratch course 1.5" hma overlay (mainline)	11146 sy		\$23,602	\$10,7
The state of the s			431.00	41,000	20	1.5" hma overlay (mainine) 1.5" hma overlay (shoulder)	7040 sy 4106 sy		\$44,141 \$25,745	\$20,1
15 Seal Coat Shoulders	4106 sv	\$ 1.20	\$4.927	\$2,736		Maint. & Protection of Traffic @10	4100/sy	\$10.491	\$10,740	\$11,7
	1100 3	1.60	94,021	\$2,730		Mobilization (25%	1 is	\$5,245	\$5.245	\$2.3
20 Deep Patch 2% (mainline)	141 sv	\$ 81.00	244 404	45.010				44,670	40,610	
20 #60 scratch course	11146 sy		\$11,421	\$5,212	30	Same Scenario as Year 10	1 15	\$101,928	\$101,928	\$31,42
20 1.5" hma overlay (mainline)			\$23,602	\$10,771						
	7040 sy		\$44,141	\$20,145	35	Seal Coat Shoulders	4106 sy	\$ 1.20	\$4,927	\$1,24
20 1.5" hma overlay (shoulder)	4106 sy	\$ 76.00	\$25,745	\$11,750		Total Annual Maintenance (\$1825/vr)	- 10	\$ 1.825.00		460.0
20 Maint. & Protection of Traffic @10	1 (s	\$10,491	\$10,491	\$4,788	20	Total Annual Maimenance (\$1825/yr)	40 yr	\$ 1,825.00	\$73,000	\$33,3
20 Mobilization @5%	1 is	\$5,245	\$5,245	\$2,394				Total	Present Worth	\$963,8
30 Same Scenario as Year 10	1 is	\$101,928	\$101,928	\$31,426						
35 Seal Coat Shoulders	4106 sy	\$ 1.20	\$4,927	\$1,249		\$ 882,518 / \$ 9	963 80	J2 – 8	240/. 1 (
20 Total Annual Maintenance (\$1825/yr)	40 yr	\$ 1,825.00	\$73,000	\$33,316		\$ 002,3 10/\$ 8	,005,01	J3 = 0	70 L	,0
		Total	Present Worth	\$882 518						



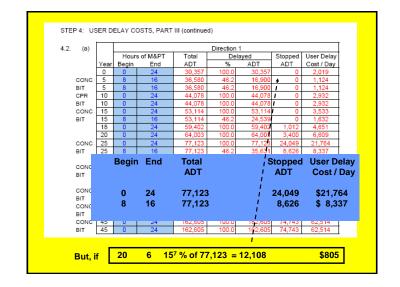


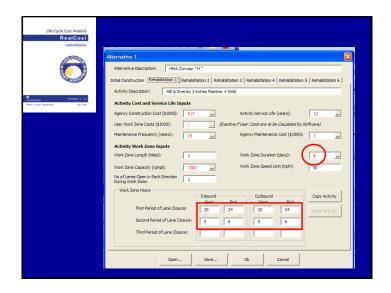


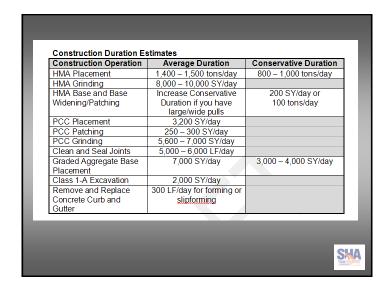


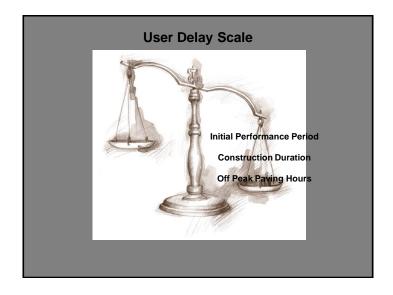


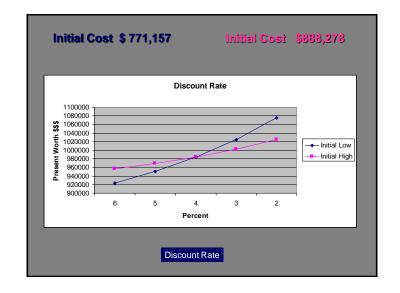
Hour		Rural			Urban	ı
(24-Hr %		Direction %		%	Direction %	
Clock)	ADT	In	Out	ADT	In	Out
0 - 1	1.8	48	52	1.2	47	53
1 - 2	1.5	48	52	0.8	43	57
2 – 3	1.3	45	55	0.7	46	54
3 – 4	1.3	53	47	0.5	48	52
4 – 5	1.5	53	47	0.7	57	43
5 – 6	1.8	53	47	1.7	58	42
6 – 7	2.5	57	43	5.1	63	37
7 – 8	3.5	56	44	7.8	60	40
8 – 9	4.2	56	44	6.3	59	41
9 – 10	5.0	54	46	5.2	55	45
0 – 11	5.4	51	49	4.7	46	54
1 – 12	5.6	51	49	5.3	49	51
2 – 13	5.7	50	50	5.6	50	50
3 – 14	6.4	52	48	5.7	50	50
4 – 15	6.8	51	49	5.9	49	51
5 – 16	7.3	53	47	6.5	46	54
6 – 17	9.3	49	51	7.9	45	55
7 – 18	7.0	43	57	8.5	40	60
18 – 19	5.5	47	53	5.9	46	54
19 – 20	4.7	47	53	3.9	48	52
20 – 21	3.8	46	54	3.3	47	53
1 – 22	3.2	48	52	2.8	47	53
2 – 23	2.6	48	52	2.3	48	52
3 – 24	2.3	47	53	1.7	45	55













		15-inch	sect	ion + ATPB			
rest						l	
- 4							
ear	Construction Item and/or Material	Quanty	Unit	Cost/Unit	Current Price	PW	
	10" HMA Base (3 - 10 EAL)	7040		\$ 57.65	\$223.221	\$223,221	
	3" HMA Binder (3 - 10 EAL)	7040		\$ 63.00	\$73,181	\$73,181	
	2" HMA Wearing (3 - 10 EAL)	7040		\$ 76.00	\$58.854	\$58.854	
	10" HMA Base (0.3 - 3 EAL)	4106		\$ 57.65	\$130,054	\$130,191	
	3" HMA Binder (0.3 - 3 EAL)	4106		\$ 63.00	\$42,682	\$42,682	
	2" HMA Wearing (0.3 - 3 EAL)	4106		\$ 76.00	\$34,326	\$34,326	
	4" ATPB	11146		\$ 9.70	\$108,116	\$108,116	
	Maint. & Protection of Traffic @10%		ls	\$67.057	\$67.057	\$67.057	
	Mobilization @5%		ls	\$33.529	\$33.529	\$33,529	
	INCOMEDICATION & 070		10	\$50,025	900,020	ψ00,020	
15	Deep Patch 2% (mainline)	141	sv	\$ 81.00	\$11,405	\$6,333	
	Mill 2" (mainline)	7040		\$ 4.00	\$28,160	\$15,636	
	2" hma overlay (mainline)	7040		\$ 76.00	\$58.854	\$32,680	
	Seal Coat Shoulders	4106		\$ 1.20	\$4,927	\$2,736	
15	Maint, & Protection of Traffic @ 10%	1	ls	\$10.334.64	\$10.335	\$5,738	
15	Mobilization @5%	1	ls	\$ 5.167.32	\$5,167	\$2,869	
20	Seal Coat Shoulders	4106	sy	\$ 1.20	\$4,927	\$2,249	
20	Seal 10% of L-joints	528	lf	\$1.50	\$792	\$361	
20	Maint & Protection of Traffic @ 10%	1	ls	\$571.92	\$572	\$261	
20	Mobilization @ 5%	1	ls	\$285.96	\$286	\$131	
			П				
25	Same as Year 15	1	ls	\$118,848	\$118,848	\$44,582	
	0				40.577	#0.000	
30	Same as Year 20	-	lf	ls	\$6,577	\$2,028	Salvage Value
35	Same Scenario as Year 15	1	ls	\$118,848	\$118,848	\$30,118	Januago valuo
25	Same as Year 20		ls	\$6.577	\$6.577	\$1,667	$\frac{$12,377}{}$ = 1 ³ %
	Salvage (1/2 of Year 35)		IS Is	\$59,424.00	-\$59.424	-\$12,377	$\frac{\Psi_{12}, 011}{13} = 13\%$
	Total Annual Maintenance (\$1825/vr)		Vľ	\$ 1.825.00	-\$59,424 \$73.000	\$33,316	\$ 951,862
20	Total Annual Maintenance (\$1825/yr)	40	yr	a 1,625.00	\$73,000	\$33,31b	• ,
		-	\vdash	Total	Present Worth	\$939.484	

Economic Pavement Evaluation
(Agency Cost)

Accurate Pricing

Initial Construction Performance Period

Subgrade Strength / Traffic

Future Overlay Performance Period

Everything Else

(User Cost)

+ Off-Peak Paving Hours + Construction Duration

