



FEDERAL HIGHWAY ADMINISTRATION
 HIGHWAY BENEFIT-COST ANALYSIS - RESULTS

User: chris_larue
 Dataset: LA 687 - Globalplex Intermodal Acces

Results file:	LA 687 Results, No Ranges	Number of Trials:	51
Project:	LA 637 - Globalplex Access Roadway	Random Seed:	1
Scenario:	LA 687 Base Scenario, No Ranges	Date/Time of Simulation:	05-Aug-2009 1:03 pm

Result No.:

Result Variable Description

	Percentile Summary							Summary Statistics			
1	Travel time savings, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	485.953	485.953	485.953	485.953	485.953	485.953	485.953	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	485.953	485.953	485.953	485.953	485.953	485.953	485.953	485.953			
2	Vehicle operating cost savings, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093	-95.2093			
3	Safety benefits, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	487.4	487.4	487.4	487.4	487.4	487.4	487.4	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4			
4	Environmental benefits, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	0	0	0	0	0	0	0	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	0	0	0	0	0	0	0	0			
5	Project residual value, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	-256.589	-256.589	-256.589	-256.589	-256.589	-256.589	-256.589	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	-256.589	-256.589	-256.589	-256.589	-256.589	-256.589	-256.589	-256.589			
6	Disbenefit of traffic disruption from construction, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	153.375	153.375	153.375	153.375	153.375	153.375	153.375	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	153.375	153.375	153.375	153.375	153.375	153.375	153.375	153.375			
7	Total benefits, thous. PV\$										
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis	
	774.93	774.93	774.93	774.93	774.93	774.93	774.93	NaN	NaN	NaN	
	50%	60%	70%	80%	90%	95%	Minimum	Maximum			
	774.93	774.93	774.93	774.93	774.93	774.93	774.93	774.93			

Result No.:

Result Variable Description

		Percentile Summary						Summary Statistics			
8	Of this, benefits to new users, thous. PV\$							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	1.25424	NaN	NaN	NaN
		1.25424	1.25424	1.25424	1.25424	1.25424	1.25424				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		1.25424	1.25424	1.25424	1.25424	1.25424	1.25424	1.25424		1.25424	
9	Total costs, thous. PV\$							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	746.504	NaN	NaN	NaN
		746.504	746.504	746.504	746.504	746.504	746.504				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		746.504	746.504	746.504	746.504	746.504	746.504	746.504		746.504	
10	Net benefits, thous. PV\$							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	28.4257	NaN	NaN	NaN
		28.4257	28.4257	28.4257	28.4257	28.4257	28.4257				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		28.4257	28.4257	28.4257	28.4257	28.4257	28.4257	28.4257		28.4257	
11	Benefit-cost ratio							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	1.03808	NaN	NaN	NaN
		1.03808	1.03808	1.03808	1.03808	1.03808	1.03808				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		1.03808	1.03808	1.03808	1.03808	1.03808	1.03808	1.03808		1.03808	
12	Rate of return, percent							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	NaN	NaN	NaN	NaN
		NaN	NaN	NaN	NaN	NaN	NaN				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	
13	Base Case - Travel time cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	33582.3	NaN	NaN	NaN
		33582.3	33582.3	33582.3	33582.3	33582.3	33582.3				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		33582.3	33582.3	33582.3	33582.3	33582.3	33582.3	33582.3		33582.3	
14	Alt Case - Travel time cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	33096.3	NaN	NaN	NaN
		33096.3	33096.3	33096.3	33096.3	33096.3	33096.3				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		33096.3	33096.3	33096.3	33096.3	33096.3	33096.3	33096.3		33096.3	
15	Net benefit - Travel time cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637							Mean	Std Dev	Skewness	Kurtosis
		1%	5%	10%	20%	30%	40%	485.953	NaN	NaN	NaN
		485.953	485.953	485.953	485.953	485.953	485.953				
		50%	60%	70%	80%	90%	95%	Minimum		Maximum	
		485.953	485.953	485.953	485.953	485.953	485.953	485.953		485.953	

Result No.:

Result Variable Description

		Percentile Summary						Summary Statistics			
16	Base Case - Fuel cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		8799.38	8799.38	8799.38	8799.38	8799.38	8799.38	8799.38	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		8799.38	8799.38	8799.38	8799.38	8799.38	8799.38	8799.38	8799.38	8799.38	
17	Alt Case - Fuel cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		8859.58	8859.58	8859.58	8859.58	8859.58	8859.58	8859.58	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		8859.58	8859.58	8859.58	8859.58	8859.58	8859.58	8859.58	8859.58	8859.58	
18	Net Benefit - Fuel cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	-60.1934	
19	Base Case - Oil cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		540.525	540.525	540.525	540.525	540.525	540.525	540.525	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		540.525	540.525	540.525	540.525	540.525	540.525	540.525	540.525	540.525	
20	Alt Case - Oil cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		545.453	545.453	545.453	545.453	545.453	545.453	545.453	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		545.453	545.453	545.453	545.453	545.453	545.453	545.453	545.453	545.453	
21	Net Benefit - Oil cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	-4.92719	
22	Base Case - Tire wear cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		143.515	143.515	143.515	143.515	143.515	143.515	143.515	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		143.515	143.515	143.515	143.515	143.515	143.515	143.515	143.515	143.515	
23	Alt Case - Tire wear cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		149.977	149.977	149.977	149.977	149.977	149.977	149.977	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		149.977	149.977	149.977	149.977	149.977	149.977	149.977	149.977	149.977	

Result No.:

Result Variable Description

		Percentile Summary						Summary Statistics			
24	Net Benefit - Tire wear cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	-6.46207	
25	Base Case - Maint. & repair cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		860.256	860.256	860.256	860.256	860.256	860.256	860.256	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		860.256	860.256	860.256	860.256	860.256	860.256	860.256	860.256	860.256	
26	Alt Case - Maint. & repair cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		885.929	885.929	885.929	885.929	885.929	885.929	885.929	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		885.929	885.929	885.929	885.929	885.929	885.929	885.929	885.929	885.929	
27	Net Benefit - Maint. & repair cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	-25.6733	
28	Base Case - Depreciation cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		1078.22	1078.22	1078.22	1078.22	1078.22	1078.22	1078.22	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		1078.22	1078.22	1078.22	1078.22	1078.22	1078.22	1078.22	1078.22	1078.22	
29	Alt Case - Depreciation cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		1076.17	1076.17	1076.17	1076.17	1076.17	1076.17	1076.17	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		1076.17	1076.17	1076.17	1076.17	1076.17	1076.17	1076.17	1076.17	1076.17	
30	Net Benefit - Depreciation cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		2.04663	2.04663	2.04663	2.04663	2.04663	2.04663	2.04663	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		2.04663	2.04663	2.04663	2.04663	2.04663	2.04663	2.04663	2.04663	2.04663	
31	Base Case - Safety cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637										
		1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
		4971.66	4971.66	4971.66	4971.66	4971.66	4971.66	4971.66	NaN	NaN	NaN
		50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
		4971.66	4971.66	4971.66	4971.66	4971.66	4971.66	4971.66	4971.66	4971.66	

Result No.:

Result Variable Description

Percentile Summary							Summary Statistics			
32	Alt Case - Safety cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	4484.26	4484.26	4484.26	4484.26	4484.26	4484.26	4484.26	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	4484.26	4484.26	4484.26	4484.26	4484.26	4484.26	4484.26	4484.26	4484.26	
33	Net Benefit - Safety cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	487.4	487.4	487.4	487.4	487.4	487.4	487.4	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	
34	Base Case - Environmental cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	0	0	0	0	0	0	0	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	0	0	0	0	0	0	0	0	0	
35	Alt Case - Environmental cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	0	0	0	0	0	0	0	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	0	0	0	0	0	0	0	0	0	
36	Net Benefit - Environmental cost, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	0	0	0	0	0	0	0	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	0	0	0	0	0	0	0	0	0	
37	Base Case - Project costs, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	3772.34	3772.34	3772.34	3772.34	3772.34	3772.34	3772.34	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	3772.34	3772.34	3772.34	3772.34	3772.34	3772.34	3772.34	3772.34	3772.34	
38	Alt Case - Project costs, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	4518.84	4518.84	4518.84	4518.84	4518.84	4518.84	4518.84	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	4518.84	4518.84	4518.84	4518.84	4518.84	4518.84	4518.84	4518.84	4518.84	
39	Net Cost - Project costs, segment 1, thous. PV\$, 1.46 Mile Section of LA637									
	1%	5%	10%	20%	30%	40%	Mean	Std Dev	Skewness	Kurtosis
	746.504	746.504	746.504	746.504	746.504	746.504	746.504	NaN	NaN	NaN
	50%	60%	70%	80%	90%	95%	99%	Minimum	Maximum	
	746.504	746.504	746.504	746.504	746.504	746.504	746.504	746.504	746.504	