

District: **D6-Planning**
 PROJECT: **MAD-99-PM7.5-15.1**

EA: 47090
 PPNO: 5335

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INVESTMENT ANALYSIS

SUMMARY RESULTS

Life-Cycle Costs (mil. \$)	\$81.5
Life-Cycle Benefits (mil. \$)	\$355.0
Net Present Value (mil. \$)	\$278.8
Benefit / Cost Ratio:	4.7
Rate of Return on Investment:	21.5%
Payback Period:	8 years

ITEMIZED BENEFITS (mil. \$)	Passenger Benefits	Freight Benefits	Total Over 20 Years	Average Annual
Travel Time Savings	\$184.9	\$103.0	\$287.8	\$14.4
Veh. Op. Cost Savings	-\$4.1	-\$0.3	-\$4.4	-\$0.2
Accident Cost Savings	\$53.6	\$14.2	\$67.8	\$3.4
Emission Cost Savings	-\$0.2	\$3.9	\$3.7	\$0.2
TOTAL BENEFITS	\$234.2	\$120.8	\$355.0	\$17.7
Person-Hours of Time Saved			47,939,945	2,396,997

Should benefit-cost results include:

1) Induced Travel? (y/n)
Default = Y

2) Vehicle Operating Costs? (y/n)
Default = Y

3) Accident Costs? (y/n)
Default = Y

4) Vehicle Emissions? (y/n)
Default = Y
includes value for CO₂e

	Tons		Value (mil. \$)	
EMISSIONS REDUCTION	Total Over 20 Years	Average Annual	Total Over 20 Years	Average Annual
CO Emissions Saved	0	0	\$0.0	\$0.0
CO ₂ Emissions Saved	0	0	\$0.0	\$0.0
NO _x Emissions Saved	642	32	\$3.8	\$0.2
PM ₁₀ Emissions Saved	0	0	-\$0.1	-\$0.0
PM _{2.5} Emissions Saved	0	0		
SO _x Emissions Saved	1	0	-\$0.0	-\$0.0
VOC Emissions Saved	43	2	\$0.0	\$0.0