

EVALUATION FACTOR	UNIT	I-70 IMPROVEMENT (REASONABLE STRATEGIES)						
		No-Build	Widen I-70		New Parallel Facility		New Parallel Toll Road	
			Widening	Urban Bypass	North	South	Low Rate	High Rate
ENGINEERING								
Capital Cost (Order of Magnitude):								
- New Construction	\$Billion	\$0	\$2.7	\$2.6	\$2.3	\$2.3	\$2.3	\$2.3
- Right-of-Way	\$Billion	\$0	\$0.125	\$0.099	\$0.126	\$0.126	\$0.126	\$0.126
Total	\$Billion	\$0	\$2.8	\$2.7	\$2.4	\$2.4	\$2.4	\$2.4
Annual O&M and Preservation Cost ¹	\$Million	\$26.1	\$8.9	\$10.1	\$30.7	\$30.7	\$51.1	\$51.1
Constructability:								
- Construction Staging	Rating	NA						
- Maintenance of Traffic (Construction Delay)	Rating	NA						
Implementation	Rating	NA						
TRAFFIC								
2030 Daily Traffic Volumes (New / Exist):								
- I-70 East Location	vpd	49,400	53,700	55,000	63,900 / 5,800	53,600 / 3,900	33,500 / 21,400	21,800 / 32,200
- I-70 Central Location	vpd	71,100	83,700	41,600 / 46,500	53,200 / 48,800	53,800 / 49,200	31,700 / 54,500	18,300 / 61,900
- I-70 West Location	vpd	55,700	60,200	61,100	53,100 / 15,500	58,300 / 11,500	31,600 / 29,800	18,100 / 42,100
Long-Term Corridor Capacity (2030):								
- Vehicle Capacity (Directional)	vph	4,200	6,300	6,300	8,400	8,400	8,400	8,400
- V/C Ratio Rural Areas (New / Exist)	V/C	0.9	0.7	0.7	0.9-1.0 / 0.1-0.3	1.0 / 0.1-0.2	0.5-0.6 / 0.4-0.5	0.3-0.4 / 0.6-0.7
Traffic Operations (2030):								
- % Corridor at Target LOS	%	0%	100%	100%	94%	94%	89%	89%
- Change in KC to St Louis Travel Time	Min	NA	-16	-16	-34	-34	-42	-42
Travel Efficiencies (2030):								
- Change in Daily VHT	Hours/Day	NA	27,160	-131,680	-86,430	-8,180	-41,610	-10,820
- Change in Daily VMT	Miles/Day	NA	156,400	127,300	164,500	295,200	-10,200	-63,700
Service to Trucks	Rating							
Traffic Delay During Maintenance Activities	Rating							
Change in 2030 Accidents (Total Corridor):								
- Study Corridor Accident Rate ²	Rate	146	113	111	95	95	95	95
- Construction Work Zone Accidents	Rating	NA						

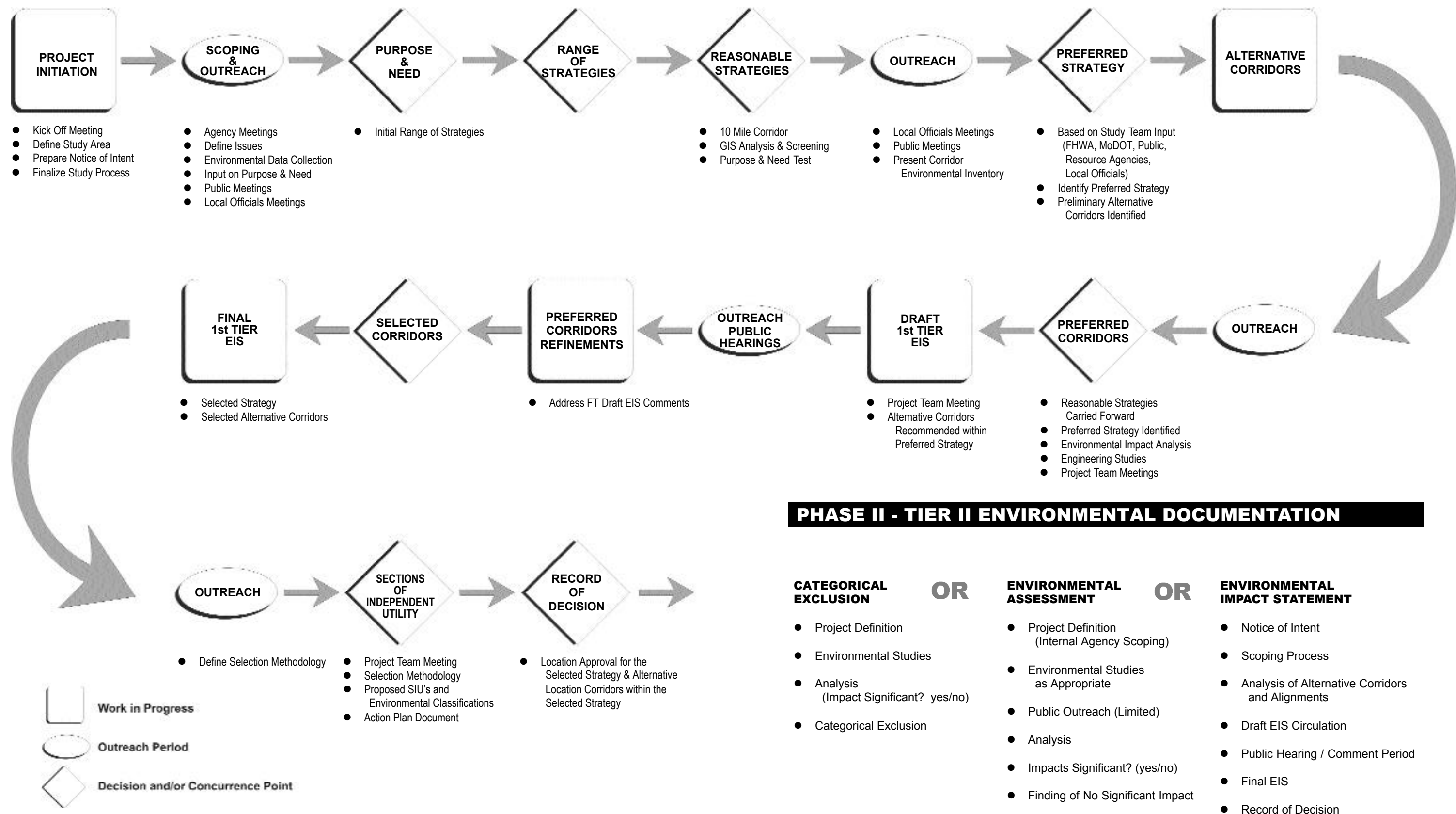
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Incident Management	Rating	●	○	●	●	●	●	●
Impacts to Emergency Services	Rating	NA	○	○	●	●	●	●
ENVIRONMENTAL								
Natural Resources Impacts	Rating	NA	○	● (S. Col.)	●	● (Columbia)	● (S. Col.)	● (S. Col.)
Missouri River Impacts	Rating	NA	○	○	○	○	○	○
Cultural Resources Impacts	Rating	NA	○	○	○	○	○	○
Hazardous Wastes Impacts	Rating	NA	○	○	○	○	○	○
Parklands Impacts	Rating	NA	○	○	○	● (S. Col.)	● (S. Col.)	● (S. Col.)
Floodplains	Rating	NA	○	○	●	●	●	●
Secondary Impacts	Rating	NA	●	●	●	●	●	●
Joint Development Opportunities	Rating	●	●	●	●	●	●	●
SOCIAL AND ECONOMIC								
Impacts to Existing Structures	Rating	NA	●	●	○	○	○	○
Noise Impacts	Rating	NA	●	●	●	●	●	●
Compatibility with Land Use	Rating	NA	○	●	●	●	●	●
Impacts to Existing I-70 Business Operations:								
- During Construction	Rating	NA	●	○	○	○	○	○
- Long Term	Rating	NA	○	●	●	●	●	●
Environmental Justice	Rating	NA	○	○	○	○	○	○
Cost-Effectiveness								
- User Cost Savings ³	\$M	NA	\$166	\$579	\$509	\$149	\$302	\$311
- Toll Revenue ⁴	\$M	NA	NA	NA	NA	NA	\$68	\$54
- Benefit/Cost Ratio	Ratio	NA	1.2	4.5	3.9	1.1	2.4	2.3

- Benefits >> Adverse Impacts
- Benefits > Adverse Impacts
- Benefits = Adverse Impacts
- Benefits < Adverse Impacts
- Benefits << Adverse Impacts
- N Avoidance Recommended

NOTES:

1. Equivalent Uniform Annual Cost (EUAC) for 30-Year Term with 6% Discount Rate.
2. Accidents per 100 Million Vehicle Miles of Travel.
3. EUAC (30 Years, 6%) for total statewide user savings (vehicle operations, travel time and accidents).
4. EUAC (30 Years, 6%) for toll revenue assuming full capture of toll road traffic.

PHASE I - FIRST TIER EIS



PHASE II - TIER II ENVIRONMENTAL DOCUMENTATION

CATEGORICAL EXCLUSION	OR	ENVIRONMENTAL ASSESSMENT	OR	ENVIRONMENTAL IMPACT STATEMENT
<ul style="list-style-type: none">● Project Definition● Environmental Studies● Analysis (Impact Significant? yes/no)● Categorical Exclusion		<ul style="list-style-type: none">● Project Definition (Internal Agency Scoping)● Environmental Studies as Appropriate● Public Outreach (Limited)● Analysis● Impacts Significant? (yes/no)● Finding of No Significant Impact		<ul style="list-style-type: none">● Notice of Intent● Scoping Process● Analysis of Alternative Corridors and Alignments● Draft EIS Circulation● Public Hearing / Comment Period● Final EIS● Record of Decision



EXHIBIT 2
Tiered Process Work Flow Chart

