

**Table 13: Evaluation Matrix**

<b>Comparison Features</b>	<b>Alternate 1</b>	<b>Alternate 2</b>	<b>Alternate 3</b>	<b>Alternate 4</b>	<b>Alternate 5</b>
Number of Loop Ramps	0	2	2	0	0
Number of Mainline Access Points	8	12	12	8	8
Number of Transposed Ramps	0	0	1	4	0
Number of Ramp Structures	4	6	7	8	6
Fully Directional	YES	NO	NO	NO	YES
Number of Design Exceptions	0	0	0	0	0
Capacity - Level of Service					
I-57 NB	B	B	B	B	B
I-57 SB	B	B	B	B	B
I-74 EB	B	B	B	C	C
I-74 WB	B	B	B	B	B
CORSIM Conflict Analysis (potential conflicts in peak hour)	279	339	304	422	370
Total Ramp Travel Time (minutes)	11.93	13.01	14.05	13.59	12.27
Potential Environmental Impacts					
Wetlands	6	6	6	8	7
Detention Ponds	1	1	1	1	1
Streams	1	1	1	1	1
Hazardous Materials	5	4	4	6	8
Archaeological Resources	1	0	1	1	1
Social Resources	1	0	2	2	1
Right-of-Way Acquisition (acres)	66	37	89	106	78
Construction Cost (millions)	\$97	\$97	\$87	\$116	\$113