

4.17 Summary of Environmental Consequences

Table 4-33 summarizes the environmental effects of the No-Action Alternative and the build alternatives in combination with South Bypass Connection Options A and D. The effects would be minimized to the extent possible by using appropriate design techniques and considerations, construction methods, and mitigation measures as discussed in this document and companion technical reports.

TABLE 4-33
Summary of Environmental Consequences

	Alternative 203		Alternative 402	
	Option A	Option D	Option A	Option D
Length (miles) ^a	25.0	23.3	24.6	22.9
Right-of-way (acres)	1,910	1,895	1,600	1,585
Roadway construction costs	\$3,061M	\$2,987M	\$2,405M	\$2,331M
Roadway right-of-way costs	\$563M	\$648 M	\$388 M	\$473 M
Total roadway costs	\$3,624M	\$3,635M	\$2,793M	\$2,804M
Transit cost ^b	\$430M	\$430M	\$250M	\$250M
Socioeconomics				
Population (2030)	540,790	540,790	539,040	539,040
Households (2030)	207,400	207,400	206,800	206,800
Employment (2030)	712,100	712,100	698,100	698,100
Residential displacements	18	11	18	11
Commercial structure displacements	4	12	3	11
Industrial structure displacements	38	27	35	24
Employees displaced	892	1,203	729	1,040
Tax revenue loss	\$3.08M	\$4.45M	\$2.17M	\$3.54M
Natural Resources				
Wetlands (acre) ^c	38.9	39.1	36.3	36.5
Stream crossings (total number)	22	22	20	20
Surface waters (acre) ^c	18.2	18.1	15.2	15.1
Floodplain encroachments (acre)	24.7	24.7	27.2	27.2
Threatened and endangered species	0	0	0	0
Noise				
Noise-sensitive residential areas	48	46	44	42
Noise-sensitive, non-residential receptors (churches, schools, parks)	31	29	28	26

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	Option A	Option D	Option A	Option D
Cultural Resources and Potential Section 4(f) Resources				
Historic structures	0	0	0	0
Archaeological sites ^d	31	31	24	24
Potential forest preserve and local park 4(f) impacts (acres)	6.8	5.9	4.0	3.1
Potential forest preserve, local park, and trail 4(f) impacts (number of properties) ^e	8	8	6	6
Special Waste				
High-risk sites	2	2	2	2
Medium-risk sites	162	170	157	165
Low-risk sites	68	70	68	70

^a Includes new freeway/tollway as well as arterial widening where one or more lanes are added. Does not include turn lanes around existing interchanges.

^b Transit cost represents only transit infrastructure improvements co-located in proposed roadway improvement corridors (e.g., Elgin O'Hare Expressway, north leg of O'Hare West Bypass).

^c Totals include impacts to potentially jurisdictional areas, such as stormwater facilities. Subject to regulatory review, several manmade stormwater facilities may be exempt from regulation.

^d Includes known archaeological sites, sites with potential for archaeological resources, and previously studied sites.

^e One property purchased with OSLAD funds may be affected.