



Runway Alternatives Evaluation Matrix

Environmental Impact Statement

Alternative	Description	Does it Meet the Airport's Needs?			Positives [Environmental/Operational/Cost]	Negatives [Environmental/Operational/Cost]	Recommendation
		Reconstruction of Runway 10R/28L	Additional Long Term Capacity and Delay Reduction	Sufficient Terminal Envelope			
C1	Relocate Runway 10R/28L 1,500 feet to the South	yes	yes	yes	E: • None O: • Conduct simultaneous arrivals without additional ATC equipment C: • None	E : • Acquisition and demolition of major industrial developments south of the airport, resulting in a significant socio-economic impacts • Potential historic impacts of a significant nature • At a minimum 48 homes and associated residents would be relocated for clearing the Runway Protection Zone (RPZ). O : • Increased taxi times from the terminal C : • Would result in the highest cost of all the alternatives due to the off-airport facility impacts (increase of project costs in excess of \$167 million)	Alternative meets all of the needs of the project. However, the necessary actions to meet the stated needs results in unnecessary environmental impacts and associated costs, therefore this alternative will not be carried forward.
C2	Relocate Runway 10R/28L 800 feet to the South	yes	yes	yes	E: • None O: • Conduct simultaneous arrivals with additional ATC equipment C: • None	E : • The northern portion of the IAC (Eligible for listing on the NRHP) would be impacted • Potential historic impacts of a significant nature • At a minimum 24 homes and associated residents would be relocated for clearing the Runway Protection Zone (RPZ). • Airport Golf Course would require the reconstruction O : • None C : • Would result in an increase of project costs of \$30 million	Alternative meets all of the needs of the project. The environmental impacts and associated costs may or may not be considered unreasonable. Therefore, this alternative will be carried forward.
C3	Relocate Runway 10R/28L 702 feet to the South (Sponsor's Proposed Project)	yes	yes	yes	E: • None O: • Conduct simultaneous arrivals with additional ATC equipment C: • Lowest costs of the relocated runway alternatives	E : • Acquisition and demolition of a non-functioning ramp control tower on the top of IAC Building 7 • At a minimum 15 homes and associated residents would be relocated for clearing the Runway Protection Zone (RPZ). • Airport Golf Course would require the reconstruction O : • None C : • None	Alternative meets all of the needs of the project. The environmental impacts and associated costs may or may not be considered unreasonable. Therefore, this alternative will be carried forward.