

# Risk Register

RISK IDENTIFICATION						RISK ASSESSMENT					RISK RESPONSE				
No.	Status	Type	Category	Title	Risk Statement	Current Status/ Assumptions/Comments/ Triggers	Probability	Cost Impact Support Capital	Cost Score	Schedule Impact PAED/PS&E Construction	Schedule Score	Response Strategy	Response Actions	Risk Owner	Last Updated (Date)
1	Active	Opportunity	Project Management	City Approval	City of San Jacinto, City of Hemet, and City of Beaumont discuss the improvements of the SR-79 in their General Plan. Thus, it is assumed that the surrounding cities will approve the future improvements. The support from the surrounding cities will allow the process to run smoothly.	The General Plan talks about the improvement of the SR-79 thus it is assumed that the cities will be on board.	40%	Moderate	4	High	8	Accept	The project managers need to engage with the community and make choices that benefit the surrounding cities.	City/Project Manager	3/5/2021
2	Active	Opportunity	Environmental	Environmental Impact Report	The environmental team believes that the environmental document could possibly decrease to a CE/CE. This document is a less invasive environmental analysis if the site investigation has limited environmental impacts.	When conducting the PEAR, it was determined that the EIS and EIR will be selected.	30%	Low	2	Low	2	Accept	This will cause the construction process to commence earlier. The construction document as well as the permits should begin to get filed.	Project Manager/Environmental	3/5/2021
3	Active	Opportunity	Environmental	Suitable Habitat	MSHCP is always seeking for suitable habitat to conserved for the endangered species. During construction, if any land that is suitable for endangered species is discovered, further investigation from a biologist is anticipated.	The project is located along conserved land for MSHCP and guidelines need to be followed.	30%	Low	2	Moderate	4	Mitigate	The project will be paused and the required specialist will have to review the habitat.	MSHCP/Environmental Team	3/5/2021
4	Active	Threat	Environmental	Hazardous Waste	Our project is located along a landfill that is known to have hazardous substances. If contaminants are found within our project limit after technical summaries are completed, further investigation is anticipated.	To mitigate this risk, regulation adopted by the Department of Toxic Substances Control (DTSC) must be followed.	30%	Low	2	Moderate	4	Accept	The hazardous waste will have to be evaluated and the necessary actions will be taken.	Stakeholders, Design Team, Environmental	3/5/2021
5	Active	Threat	Environmental	Endangered Species	If any endangered or threatened species are encounter on the site, the construction team will understand the protocols and requirements for handling endangered species as they can be found within our project limits.	The environmental team assumes there is only endangered species in the southern section of our project. The project will be paused if potential endangered species are seen within our construction site.	70%	Low	2	Moderate	4	Mitigate	If any species is found on the construction site, work must come to a halt to assess the situation. Depending on the type of species encounter, proper relocation steps must be followed.	Environmental Team/ Construction/ Project Managers	3/5/2021
6	Active	Threat	Design	Design Changes	During construction if the design impacts the environment more than expected, design changes are anticipated. An additional environmental analysis will be required. The impacts can include right of way exceptions, hazardous expectation, or soil stability.	The project alternatives have been designed to avoid these areas and no encroachment into them is expected. Potential design changes can have a greater environmental impact such as MSHCP Land or the city land use.	40%	Moderate	4	High	8	Avoid	If more environmental risks are discovered that were not anticipated then another environmental analysis will be conducted. This process can potential result in design changes.	Caltrans/Design Team/Construction	3/5/2021
7	Active	Threat	Design	Survey File	Inaccurate or incomplete information in the survey files could lead to the rework of the design.	Rework design to fix accuracy and completeness.	50%	Moderate	4	Moderate	4	Accept	Rework designs to address survey inconsistencies.	Project Managers/ Design Team	3/5/2021
8	Active	Threat	Right of Way	Landowner unwilling to sell	Property owners along the northern intersection can disagree with the plan. This can potentially cause the design of the project to alter if right of way is not acquired.	The project will include possible delays for land acquisition. If the property owners does not accept, design changes will be implemented.	40%	Moderate	4	Low	4	Exploit	The condemnation process would be used to obtain land.	Stakeholders	3/5/2021
9	Active	Threat	Right of Way	Utility companies ability to improve design for future expansion.	Due to limited resources, we need to coordinate with utility companies about future expansion of utilities.	The utility companies have future plans to expand and improve their utility lines. The utility companies proposed utility expansion can potential become a right of way issue.	40%	Moderate	4	Moderate	4	Accept	The project will need to include the new utilities that will be included.	Construction, Environmental, Design Team	3/5/2021
10	Active	Threat	Right of Way	Federal or State Agency	The parcels along the SR-79, controlled by a State or Federal Agency may take longer than anticipated.	The project will include possible delays for land acquisition.	30%	Low	2	Moderate	4	Mitigate	The necessary permits need to be submitted at a timely matter and level of importance.	Project Manager/City/State	3/5/2021
11	Active	Threat	Engineering Services	Seasonal Issues	Verify that all seasonal constraints and permitting requirements are identified and incorporated in the project schedule. This includes but not limited to rain days, high winds, and fire.	Ensure that project schedule accommodates for seasonal issues.	30%	Moderate	4	Moderate	4	Mitigate	The project schedule will include potential seasonal delays .	Project Manager/Construction	3/5/2021
12	Active	Threat	Engineering Services	Visual Appeal	The project has three local cities surrounding the site as well as MSHCP conserved land. It is important that our design compliments the surrounding areas. The introduction to retaining walls and large cuts and fills will impact the site visual aesthetics. Coordination will the surrounding cities is anticipated.	The size of the project is significantly large. The design is incorporating bridge, realignments, and ramps. This will change the visual aesthetics of the site. It is important to maintain the visual impact to a minimum by introducing landscaping and rehabilitation of the land.	10%	Low	2	Low	2	Mitigate	The design team will work to limit the visual impacts.	Project Manager/Design Team/Stakeholders	3/5/2021
13	Active	Threat	Construction	Unidentified Utilities	Discover unforeseeable utilities as we begin construction. Due to the limited resources, the utility exhibit is not 100% accurate and this can cause a delay if we find a utility that interferes with our project.	The team emailed utility request for known utility companies but the design does not account for abandoned utilities or unmarked utilities.	40%	Moderate	4	Moderate	4	Mitigate	If unidentified utilities are discovered, design will be reworked to include newly identified utilities.	Project Managers/Planning Team	3/5/2021
14	Active	Threat	Construction	Incomplete quantity estimate	Incomplete quantity estimates could lead to a higher overall construction cost.	The team only made quantity estimates for pavement structures, right of way, earthwork, and structures. After those estimates, we took percentages of the previously listed in order to get costs for the other project items such as drainage, construction staging, and more.	60%	High	8	Moderate	6	Mitigate	The cost estimate includes contingency for additional costs.	Cost Estimate Team/ Project Managers	3/5/2021