

# APPENDIX B

## ENVIRONMENTAL SIGNIFICANCE CHECKLIST

This checklist was used to identify biological, social and economic factors which might be impacted by the proposed project. In many cases, the background studies performed in connection with this project clearly indicate the project will not affect a particular item. A "NO" answer in the first column documents this determination.

<b>ENVIRONMENTAL SIGNIFICANCE CHECKLIST</b>		<b>Yes or No</b>	<b>If Yes, Is it Significant?</b>
<b>PHYSICAL - Will the proposal either directly or indirectly:</b>			
<b>1</b>	<b>Appreciably change the topography or ground surface relief features?</b> <i>The project will require grading to (re)construct entrance and exit ramps within some areas that are currently graded and flat. An earthen berm is proposed for the northeast quadrant (Chapter 3, Section 3.7).</i>	<b>YES</b>	<b>NO</b>
<b>2</b>	<b>Destroy, cover, or modify any unique geologic, paleontologic, or physical features?</b> <i>No unique geologic, paleontologic, or physical features were identified within the project area.</i>	<b>NO</b>	
<b>3</b>	<b>Result in unstable earth surfaces or increase the exposure of people or property to geologic or seismic hazards?</b> <i>The project is in a highly activer sdeismic area. Design will be structurally sound and earthquake resistant (Chapter 3, Section 3.16).</i>	<b>YES</b>	<b>NO</b>
<b>4</b>	<b>Result in or be affected by soil erosion or siltation (whether by water or wind)?</b> <i>Minor soil erosion impacts are expected to occur during construction. No permanent soil ersoion or siltation effects are expected (Chapter 3, Section 3.8).</i>	<b>NO</b>	
<b>5</b>	<b>Result in the increased use of fuel or energy in large amounts or in a wasteful manner?</b> <i>No large expenditures of fuel or energy are expected.</i>	<b>NO</b>	
<b>6</b>	<b>Result in an increase in the rate of use of any natural resource?</b> <i>No increases in rates of use for natural resources are expected.</i>	<b>NO</b>	
<b>7</b>	<b>Result in the substantial depletion of any nonrenewable resource?</b> <i>No nonrenewable resources are expected to be substantially impacted.</i>	<b>NO</b>	
<b>8</b>	<b>Violate any published Federal , State, or local standards pertaining to hazardous waste, solid waste or litter control?</b> <i>The project would observe all relevant published Federal, State, or local standards pertaining to hazardous waste, solid waste or litter control (Chapter 3, Section 3.13).</i>	<b>NO</b>	
<b>9</b>	<b>Modify the channel of a river or stream or the bed of the ocean or any inlet or lake?</b> <i>No rivers, streambeds, ocean beds, or inlets to lakes would be impacted (Chapter 3, Section 3.8).</i>	<b>NO</b>	
<b>10</b>	<b>Encroach upon a floodplain or result in or be affected by floodwaters or tidal waves?</b> <i>The project does not exist within a floodplain or area subject to tidal waves. Impacts of local flooding to adjacent landowners as the result of stormwater runoff would be lessened (Chapter 3, Sections 3.11 and 3.8).</i>	<b>NO</b>	
<b>11</b>	<b>Adversely affect the quantity or quality of surface water, groundwater, or public water supply?</b> <i>(Chapter 3, Section 3.8).</i>	<b>NO</b>	

<b>ENVIRONMENTAL SIGNIFICANCE CHECKLIST</b>		<b>Yes or No</b>	<b>If Yes, Is it Significant?</b>
<b>12</b>	<b>Result in the use of water in large amounts or in a wasteful manner?</b> <i>Miminal amounts of water are expected for use in costruction. Landscaping would utilize drought tolerant and native species; water efficient irrigation would be included as part of this project. (Chapter 3, Section 3.14).</i>	<b>NO</b>	
<b>13</b>	<b>Affect wetlands or riparian vegetation?</b> <i>No jurisdictional wetlands exist within the project area. Local drainages are exempt from Federal, State, and local regulations (Chapter 3, Section 3.9).</i>	<b>NO</b>	
<b>14</b>	<b>Violate or be inconsistent with Federal, State, or local water quality standards?</b> <i>No inconsistencies with Federal, State, or local water quality standards would be expected (Chapter 3, Section 3.8).</i>	<b>NO</b>	
<b>15</b>	<b>Result in changes in air movement, moisture, or temperature, or any climatic conditions?</b> <i>No changes in air movement, moisture, or temperature, or any climatic conditions would be expected to result from reconstruction of the interchange. Intermittent effects on air movement could be possible with construction of noise abatement structures but would not be expected to be substantial.</i>	<b>NO</b>	
<b>16</b>	<b>Result in an increase in air pollutant emissions, adverse effects on or deterioration of ambient air quality?</b> <i>(Chapter 3, Section 3.6).</i>	<b>NO</b>	
<b>17</b>	<b>Result in the creation of objectionable odors?</b> <i>No objectionable odors would be expected to result from the project. Temporary and intermittent odors may result during construction but would not be expected to be substantial.</i>	<b>NO</b>	
<b>18</b>	<b>Violate or be inconsistent with Federal, State, or local air standards or control plans?</b> <i>(Chapter 3, Section 3.6).</i>	<b>NO</b>	
<b>19</b>	<b>Result in an increase in noise levels or vibration for adjoining areas?</b> <i>Noise levels are expected to increase as a result of the project but would be expected to be reduced to below substantial levels by proposed noise abatement measures (Chapter 3, Section 3.7).</i>	<b>YES</b>	<b>NO</b>
<b>20</b>	<b>Result in any Federal, State, or local noise criteria being equal or exceeded?</b> <i>Federal, State, or local noise criteria may be equalled or exceeded but would be reduced to below substantial levels by proposed noise abatement measures (Chapter 3, Section 3.7).</i>	<b>YES</b>	<b>NO</b>
<b>21</b>	<b>Produce new light, glare, or shadows?</b> <i>(Chapter 3, Section 3.14).</i>	<b>NO</b>	

<b>ENVIRONMENTAL SIGNIFICANCE CHECKLIST</b>		<b>Yes or No</b>	<b>If Yes, Is it Significant?</b>
<b>BIOLOGICAL - Will the proposal result in (either directly or indirectly):</b>			
<b>22</b>	<b>Change in the diversity of species or number of any species of plants (including trees, shrubs, grass, microflora, and aquatic plants)?</b> Landscaping will include District Biologist input. ( <i>Chapter 3, section 3.10</i> )	<b>NO</b>	
<b>23</b>	<b>Reduction of the numbers of or encroachment upon the critical habitat of any unique, threatened or endangered species of plants?</b> <i>No reduction of the numbers of or encroachment upon the critical habitat of any unique, threatened or endangered species of plants would be expected to result. The western burrowing owl is protected under the Migratory Bird Treaty Act and it is possible some owls would experience temporary dislocations during construction (Chapter 3, Section 3.10).</i>	<b>NO</b>	
<b>24</b>	<b>Introduction of new species of plants into an area, or result in a barrier to the normal replenishment of existing species?</b> <i>No introductions of new species of plants into the project area or creation of barriers to the normal replenishment of existing species would be expected to occur except as per the joint landscaping plan for the project (Chapter 3, Sections 3.10 and 3.14).</i>	<b>NO</b>	
<b>25</b>	<b>Reduction in acreage of any agricultural crop or commercial timber stand, or affect prime, unique, or other farmland of State or local importance?</b> <i>No reductions in acreage of any agricultural crop or commercial timber stand or affect upon prime, unique, or farmland of State importance would be expected. Minor amounts of farmland of local importance would be expected to be impacted (Chapter 3, Section 3.2 and Chapter 4, Section 3.1).</i>	<b>YES</b>	<b>NO</b>
<b>26</b>	<b>Removal or deterioration of existing fish or wildlife habitat?</b> <i>(Chapter 3, Sections 3.9 and 3.10).</i>	<b>NO</b>	
<b>27</b>	<b>Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, insects or microfauna)?</b> <i>(Chapter 3, Section 3.10).</i>	<b>NO</b>	
<b>28</b>	<b>Reduction of the number of or encroachment upon the critical habitat of any unique, threatened or endangered species of animals?</b> <i>(Chapter 3, Section 3.10).</i>	<b>NO</b>	
<b>29</b>	<b>Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?</b> <i>(Chapter 3, Section 3.10).</i>	<b>NO</b>	

<b>ENVIRONMENTAL SIGNIFICANCE CHECKLIST</b>		<b>Yes or No</b>	<b>If Yes, Is it Significant?</b>
<b>SOCIAL AND ECONOMIC -Will the proposal directly or indirectly:</b>			
30	<b>Cause disruption of orderly planned development?</b> <i>(Chapter 3, Sections 3.1 and 3.3).</i>	NO	
31	<b>Be inconsistent with any elements of adopted community plans, policies or goals?</b> <i>(Chapter 3, Sections 3.1 and 3.3).</i>	NO	
32	<b>Be inconsistent with a Coastal Zone Management Plan?</b> <i>The proposed project does not occur within a Coastal Zone.</i>	NO	
33	<b>Affect the location, distribution, density, or growth rate of the human population of an area?</b> <i>The proposed project could accelerate planned development (Chapter 3, Sections 3.1 and 3.3).</i>	YES	NO
34	<b>Affect life-styles, or neighborhood character or stability?</b> <i>(Chapter 3, Section 3.3)</i>	NO	
35	<b>Affect minority, elderly, handicapped, transit-dependent, or other specific interest group?</b> <i>(Chapter 3, Sections 3.3).</i>	NO	
36	<b>Divide or disrupt an established community?</b> <i>"Build" alternatives would improve north-south community continuity through the opportunity for improved access by others (Chapter 3, Section 3.3).</i>	NO	
37	<b>Affect existing housing, require the acquisition of residential improvements or the displacement of people or create a demand for additional housing?</b> <i>(Chapter 3, Section 3.3).</i>	NO	
38	<b>Affect employment, industry or commerce, or require the displacement of businesses or farms?</b> <i>The project would be expected to have beneficial effects upon employment, industry and commerce. 2.0 ha (5.0 ac) of non-active farmland would be converted. No displacement impacts to businesses or existing farms would be expected (Chapter 3, Sections 3.2 &amp; 3.3).</i>	YES	NO
39	<b>Affect property values or the local tax base?</b> <i>The proposed project would be expected to benefit property values and the local tax base (Chapter 3, Section 3.3 and Chapter 4, Section 3.2).</i>	YES	NO
40	<b>Affect any community facilities (including medical, educational, scientific, recreational, or religious institutions, ceremonial sites or sacred shrines)?</b> <i>(Chapter 3, Section 3.3).</i>	NO	
41	<b>Affect public utilities, or police, fire, emergency or other public services?</b> <i>The proposed project would be expected to benefit public utilities, police, fire, emergency and other public services through the opportunity for improved access by others. Impacted utilities would be relocated (Chapter 3, Sections 3.3 and 3.15).</i>	NO	

<b>ENVIRONMENTAL SIGNIFICANCE CHECKLIST</b>		<b>Yes or No</b>	<b>If Yes, Is it Significant?</b>
<b>42</b>	<b>Have substantial impact on existing transportation systems or alter present patterns of circulation or movement of people and/or goods?</b> <i>The proposed project would be expected to substantially improve existing transportation systems and present patterns of circulation or movement of people and/or goods (Chapter 1, Section 1.4).</i>	<b>YES</b>	<b>NO</b>
<b>43</b>	<b>Generate additional traffic?</b> <i>The project would be expected to have minor impacts upon the generation of additional traffic (Chapter 1, Section 1.4).</i>	<b>NO</b>	
<b>44</b>	<b>Affect or be affected by existing parking facilities or result in demand for new parking?</b> <i>(Chapter 3, Section 3.1).</i>	<b>NO</b>	
<b>45</b>	<b>Involve a substantial risk of an explosion or the release of hazardous substances in the event of an accident or otherwise adversely affect overall public safety?</b> <i>(Chapter 3, Section 3.13).</i>	<b>NO</b>	
<b>46</b>	<b>Result in alterations to waterborne, rail or air traffic?</b> <i>(Chapter 3, Section 3.3).</i>	<b>NO</b>	
<b>47</b>	<b>Support large commercial or residential development?</b> <i>The proposed project would be expected to accommodate potential commercial and planned residential development in the vicinity and region (Chapter 1, Section 1.4 and Chapter 3, Section 3.3).</i>	<b>YES</b>	<b>NO</b>
<b>48</b>	<b>Affect a significant archaeological or historic site, structure, object, or building?</b> <i>No such resources have been identified within the project area (Chapter 3, Section 3.12).</i>	<b>NO</b>	
<b>49</b>	<b>Affect wild or scenic rivers or natural landmarks?</b> <i>No such resources exist within the project area (Chapter 3, Section 3.12).</i>	<b>NO</b>	
<b>50</b>	<b>Affect any scenic resources or result in the obstruction of any scenic vista or view open to the public, or creation of an aesthetically offensive site open to public view?</b> <i>No specific scenic resources were identified. No offensive sites would be created. Structures will include visually beneficial design measures and improved landscaping (Chapter 3, Section 3.14).</i>	<b>NO</b>	
<b>51</b>	<b>Result in substantial impacts associated with construction activities (e.g., noise, dust, temporary drainage, traffic detours and temporary access, etc.)?</b> <i>(Chapter 3, Section 3.16).</i>	<b>NO</b>	
<b>52</b>	<b>Result in the use of any publicly-owned land from a park recreation area, or wildlife and waterfowl refuge?</b> <i>(Chapter 3, Sections 3.1 &amp; 3.10).</i>	<b>NO</b>	

<b>ENVIRONMENTAL SIGNIFICANCE CHECKLIST</b>		<b>Yes or No</b>	<b>If Yes, Is it Significant?</b>
<b>MANDATORY FINDINGS OF SIGNIFICANCE</b>			
<b>53</b>	<p><b>Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?</b></p> <p>Proposed mitigations are described in Chapter 3, Sections 3.2, 3.7, 3.10, 3.14, and in Chapter 4, Sections 4.1 and 4.2.</p>	<b>NO</b>	
<b>54</b>	<p><b>Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? (A short-term impact on the environment is one which occurs in a relatively brief, definitive period of time while long-term impacts will endure well into the future).</b></p> <p><i>Consistent with the maintenance and enhancement of long-term productivity for the local area and region, all "build alternatives for the project produce similar impacts and benefits over both the short- and long-term. It is not expected that the project would have the potential to achieve short-term, to the disadvantage of long-term, environmental goals.</i></p>	<b>NO</b>	
<b>55</b>	<p><b>Does the project have environmental effects which are individually limited, but cumulatively considerable? Cumulatively considerable means that the incremental effects of an individual project, are considerable when viewed in connection with the effects of other current projects, and the effects of probable future projects. It includes the effects of other projects which interact with this project and, together, are considerable.</b></p> <p>In conjunction with other Department and local projects, the I-8/Imperial Avenue reconstruction project would be expected to contribute to cumulative farmland impacts. With proposed mitigation as described in Chapter 4, Section 4.1, the project would not be expected to produce environmental effects which are individually limited, but cumulatively considerable.</p>	<b>YES</b>	<b>NO</b>
<b>56</b>	<p><b>Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?</b></p> <p>As detailed in Chapters 3 and 4, the project would not be expected to have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly.</p>	<b>NO</b>	