



DEVIL'S SLIDE

Tunnels & Project



State Highway 1
San Mateo County | Post Mile 38.6 To 40.4

Devil's Slide Tunnel Project Construction Item List

ITEM DESCRIPTION

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| <ol style="list-style-type: none"> 1. Temporary Fence (Type Esa) 2. Prepare Storm Water Pollution Prevention Plan 3. Water Pollution Control 4. Stabilized Construction Roadway 5. Non-storm Water Discharge Control 6. Temporary Hydraulic Mulch (Bonded Fiber Matrix) 7. Temporary Irrigation System 8. Temporary Silt Fence 9. Temporary Perimeter Barrier (Type Wm 1.8) 10. Temporary Perimeter Barrier (Type Frog) 11. Temporary Concrete Washout Facility 12. Temporary Construction Entrance 13. Temporary Cover 14. Temporary Check Dam 15. Temporary Drainage Inlet Protection 16. Move-in/move-out (Temporary Erosion Control) 17. Temporary Asphalt Concrete (Type A) 18. Construction Area Signs 19. Traffic Control System 20. Portable Changeable Message Sign 21. Temporary Railing (Type K) 22. Temporary Crash Cushion Module 23. Abandon Culvert 24. Abandon Inlet 25. Remove Metal Beam Guard Railing 26. Remove Culvert 27. Remove Inlet 28. Remove Riser 29. Remove Downdrain 30. Remove Tree 31. Remove Asphalt Concrete Surfacing 32. Clearing And Grubbing 33. Roadway Excavation 34. Roadway Excavation (Selected Material) 35. Lead Compliance Plan 36. Tunnel Excavation And Support(Category I) 37. Tunnel Excavation And Support (Category II) 38. Tunnel Excavation And Support (Category II, Along South Equipment Chamber) | <ol style="list-style-type: none"> 39. Tunnel Excavation And Support (Category II, Along Center Equipment Chamber) 40. Tunnel Excavation And Support (Category III) 41. Tunnel Excavation And Support (Category IV) 42. Tunnel Excavation And Support (Category V) 43. Enlarged Tunnel Excavation And Support (Category II) 44. Enlarged Tunnel Excavation And Support (Category II, Along South Equipment Chamber) 45. Enlarged Tunnel Excavation And Support (Category IV) 46. Enlarged Tunnel Excavation And Support (Category V) 47. Cross Passage Tunnel Excavation And Support (Category I) 48. Cross Passage Tunnel Excavation And Support (Category II) 49. Cross Passage Tunnel Excavation And Support (Category IV) 50. Emergency Vehicle Cross Passage Excavation And Support 51. South Equipmeent Chamber Excavation And Support 52. Center Equipment Chamber Excavation And Support 53. Equipment Chamber Accesses 54. Structure Excavation (Retaining Wall) 55. Structure Excavation (Soil Nail Wall) 56. Structure Excavation (South Portal) 57. Structure Excavation (North Portal) 58. Structure Excavation (Ventilation Outlet) 59. Structure Backfill (Retaining Wall) 60. Structure Backfill (Soil Nail Wall) 61. Structure Backfill (South Portal) 62. Structure Backfill (North Portal) 63. Structure Backfill (Ventilation Outlet) 64. Ditch Excavation 65. Soil Nail Assembly 66. Bore Holes For Probing Ahead 67. Bore Hole For Conduit/vent Ducts |
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68. Imported Borrow
69. Geosynthetic Reinforced Embankment
70. Tunnel Monitoring System
71. Roadside Clearing
72. Imported Topsoil
73. Erosion Control (Netting)
74. Straw (Erosion Control)
75. Fiber (Erosion Control)
76. Fiber Rolls
77. Compost (Erosion Control)
78. Mycorrhizal Inoculum
79. Move-in/move-out (Erosion Control)
80. Pure Live Seed (Erosion Control)(Type 1)
81. Pure Live Seed (Erosion Control)(Type 2)
82. Stabilizing Emulsion (Erosion Control)
83. Class 4 Aggregate Subbase
84. Class 2 Aggregate Base
85. Class 3 Aggregate Base
86. Lean Concrete Base
87. Asphalt Treated Permeable Base
88. Asphalt Concrete (Type A)
89. Asphalt Concrete (Open Graded)
90. Place Asphalt Concrete Dike (Type A)
91. Asphalt Concrete Dike (Type D)
92. Place Asphalt Concrete Dike (Type F)
93. Concrete Pavement
94. Seal Pavement Joint
95. Rock Bolt
96. Structural Concrete, Retaining Wall
97. Structural Concrete, Final Lining
98. Structural Concrete, Transition Barrier Slab
99. Structural Concrete, Final Lining Abutment
100. Structural Concrete, Final Lining Invert Arch
101. Structural Concrete, Final Lining Invert Slab
102. Structural Concrete, Portal
103. Structural Concrete, Portal Invert Slab
104. Class 1 Concrete (Box Culvert)
105. Minor Concrete
106. Minor Concrete (Minor Structure)
107. Minor Concrete (Pipe Cover)
108. Minor Concrete (Artificial Rockwork)
109. Architectural Treatment (Textured Concrete)
110. Tunnel Architectural Work
111. Masonry Block Wall
112. Bar Reinforcing Steel (Retaining Wall)
113. Bar Reinforcing Steel (Epoxy Coated)
114. Bar Reinforcing Steel (Box Culvert)
115. Bar Reinforcing Steel (Final Lining)
116. Bar Reinforcing Steel (Transition Barrier)
117. Bar Reinforcing Steel (Portal)
118. Shotcrete (Soil Nail Wall)
119. Shotcrete Canopies At South Portals
120. Cut And Cover Waterproofing
121. Tunnel Waterproofing
122. Furnish Sign Structure (Truss)
123. Install Sign Structure (Truss)
124. 1524 Mm Cast-in-drilled-hole Concrete Pile (Sign Foundation)
125. Roadside Sign - One Post
126. Roadside Sign - Two Post
127. Prepare And Stain Concrete Surfaces
128. Prepare And Stain Concrete Ditch
129. 300 Mm Alternative Pipe Culvert
130. 450 Mm Alternative Pipe Culvert
131. 600 Mm Alternative Pipe Culvert
132. 750 Mm Alternative Pipe Culvert
133. 900 Mm Alternative Pipe Culvert
134. 1050 Mm Alternative Pipe Culvert
135. 300 Mm Reinforced Concrete Pipe
136. 450 Mm Corrugated Steel Pipe (2.77 Mm Thick)
137. Road Drainage Slotted Drain (Open Slot)
138. Road Drainage Slotted Drain (Closed Slot)
139. 150 Mm Perforated Plastic Pipe Underdrain
140. 150 Mm Non-perforated Plastic Pipe Underdrain
141. 200 Mm Perforated Plastic Pipe Underdrain
142. 200 Mm Non-perforated Plastic Pipe Underdrain
143. 150 Mm Perforated Pvc Drain Pipe
144. 250 Mm Perforated Pvc Drain Pipe
145. Geocomposite Drain
146. Filter Fabric
147. Class 2 Permeable Material
148. Class 3 Permeable Material
149. 450 Mm Corrugated Steel Pipe Downdrain (2.77 Mm Thick)
150. 450 Mm Anchor Assembly

- 151. Drainage Inlet Marker
- 152. 900 Mm Bituminous Coated Corrugated Steel Pipe Inlet (2.77 Mm Thick)
- 153. Corrugated Steel Pipe Riser (Type I)
- 154. Transverse Double Grated Line Drain
- 155. Corrugated Steel Pipe Riser (Type Ii)
- 156. Jacked 900 Mm Welded Steel Pipe (9.53 Mm Thick)
- 157. 450 Mm Alternative Flared End Section
- 158. 600 Mm Alternative Flared End Section
- 159. Pipe Entrance Gate
- 160. Drainage Inlet
- 161. Road Drainage Interceptor (Baffle-wall)
- 162. Road Drainage Interceptor (Basin)
- 163. Concrete Pipe Manhole Type I
- 164. Concrete Pipe Manhole Type Ii
- 165. Rock Slope Protection (Light, Method B)
- 166. Rock Slope Protection (Facing, Method B)
- 167. Gabion
- 168. Minor Concrete (Ditch Lining)
- 169. Rock Slope Protection Fabric
- 170. Minor Concrete (Miscellaneous Construction)
- 171. Minor Concrete (Curb, Sidewalk And Curb Ramp)
- 172. Tunnel Fire Protection
- 173. Tunnel Jet Fans
- 174. Miscellaneous Iron And Steel
- 175. Cleanout Manhole
- 176. Miscellaneous Metal
- 177. Access Gate
- 178. Delineator (Class 1)
- 179. Terminal Riser And Outlet Marker
- 180. Metal Beam Guard Railing
- 181. Steel Backed Timber Guardrail
- 182. Tubular Bicycle Railing
- 183. Cable Railing
- 184. Removable Bollard (Wood)
- 185. Crash Cushion Module, Sand Filled
- 186. Concrete Barrier (Type 60a Modified)
- 187. Concrete Barrier (Type 60)
- 188. Concrete Barrier (Type 60c)
- 189. Concrete Barrier (Type 80 Modified)
- 190. Thermoplastic Pavement Marking
- 191. 100 Mm Thermoplastic Traffic Stripe
- 192. 200 Mm Thermoplastic Traffic Stripe
- 193. Parking Bumper (Precast Concrete)
- 194. Pavement Marker (Retroreflective)
- 195. Removable Bollard (Wood)
- 196. Highway Lighting
- 197. Conductors And Cables
- 198. Medium Voltage Cable
- 199. Raceways And Boxes
- 200. Underground Ducts And Vaults
- 201. Uninterruptible Power Supply
- 202. Secondary Unit Substations
- 203. Medium Voltage Service Switchgear
- 204. Motor Control Centers
- 205. Tunnel Lighting
- 206. Grounding And Bonding
- 207. Tunnel Traffic Control System
- 208. Environmental Monitoring System
- 209. Fire Alarm And Detection System
- 210. Telephone System
- 211. Closed Circuit Television System
- 212. Radio Rebroadcast System
- 213. Tunnel Control System
- 214. Intrusion Detection System
- 215. Seismic Monitoring Electrical System
- 216. Medium Voltage Automatic Transfer Switch
- 217. Lighting Control Stations
- 218. Low Voltage Electrical System
- 219. Roadway Drainage System
- 220. Water Mains
- 221. Heating And Ventilation Of Tunnel Ancillary Spaces
- 222. Leach Water System
- 223. Building Work