Nest Survey Report

Date: 05/04/2018

Biologist(s): Jimmy McMorran

Survey Area/Location/Structures:
Guard Structures: GS01, GS02, GS03, GS04, GS06, GS10, GS11, GS12, GS13
(Alignment C – Segment 6, 7, 8)

Proposed Construction within Survey Area:
Proposed construction activities include removing guard structures from existing locations.

Is Vegetation Clearing Required? **Yes:** ☒ **No:** ☐

Was Complete Survey Coverage Achieved? **Yes:** ☒ **No:** ☐

Details of Modifications to the Survey Area if Complete Coverage was not Achieved: N/A

Survey Conditions:

	Start	End
Time	11:05 am	2:00 pm
Temperature (°F):	73 °	77 °
Wind Speed (mph):	0-5 mph	0-5 mph
Cloud Cover (%):	5%	5%
Precipitation Type (if any) and duration:	n/a	n/a

Habitat(s) and Vegetation Description within Survey Area:

- Coastal sage scrub
- Ornamental
- Riparian
- Disturbed

Description of Survey Methodology:
The biologists conducted active and passive surveys within a survey buffer of 0.25 mile for white tailed kite, 500 feet for raptors, coastal California gnatcatcher, and least Bell's vireo, 250 feet for passerine birds in open space, and 150 feet for common passerines in residential, commercial and industrial areas. Active survey methods included walking meandering transects through the habitats while observing bird behavior with the aid of binoculars and directly searching in vegetation, the ground, the towers/poles, and other potential nest substrates. Passive survey methods included stationary observation periods from select vantage points that provided maximum visibility of the survey areas, using binoculars as necessary. If potential nesting behavior was observed within the survey buffers, specific shrubs were directly searched for nests in the areas where birds may have been observed exhibiting higher levels of activity or potential breeding behavior. All potential raptor nesting areas within the survey buffers were searched directly and/or with the aid of binoculars. Visibility, access, time of year and weather conditions were all conducive to collecting comprehensive breeding data, and ample time was spent surveying all potential nest sites.

Suitable Raptor Nesting Habitat:	**Yes:** ☒	**No:** ☐
Suitable CAGN Nesting Habitat:	**Yes:** ☒	**No:** ☐

Suitable LBV Nesting Habitat: **Yes:** ☒ **No:** ☐

Survey Results

Nest(s) Located (complete table below if yes)*: **Yes:** ☐ **No:** ☒
(Include previously located nests and current status)

Nest ID[1]	Species[2]	Listing Status[3]	Nest Stage[4]	Observation Notes[5]	Latitude (decimal degrees)	Longitude (decimal degrees)

1 – Date (mmddyyy)_Biologist Initials (ABC)_Number ID (01)
2 – Include common name and four letter AOU species code
3 – 3 – Federally Endangered (FE), Federally Threatened (FT), State Endangered (SE), State Threatened (ST), Species of Special Concern (SSC), Watch List (WL), Common
4 – Building, Incubating, Nestling, Fledged, Complete/Inactive
5 – Observation Notes: Item Carry (IC- nest material, food items, fecal sacs that indicate nesting in progress), Agitated/Territorial Behavior (ATB – indicating potential nest sites or an intent to nest), Courtship Behavior (CB – copulation, chasing flights, displays, etc.), Pair in Suitable Habitat (PSH – utilizing all or portions of the buffer zone), Other

Avian Species Observed (complete common name):

American crow (AMCR), Anna's hummingbird (ANHU), Allen's hummingbird (ALHU), black-headed grosbeak (BHGR), bushtit (BUSH), California towhee (CALT), European starling (EUST), house finch (HOFI), lesser goldfinch (LEGO), mourning dove (MODO), Northern mockingbird (NOMO), red-tailed hawk (RTHA), song sparrow (SOSP), spotted towhee (SPTO), warbling vireo (WAVI), Western tanager (WETA), white crowned sparrow (WCSP), Wilson's warbler (WIWA), and wrentit (WREN).

Additional Notes (see Avian Species Observed and Observation Notes for definition of abbreviations):

Nesting WTKI within 0.25 miles:	**Yes:** ☐	**No:** ☒
Nesting Raptor, CAGN, or LBV within 500 feet:	**Yes:** ☐	**No:** ☒
Nesting Passerine within 250 feet (open space only):	**Yes:** ☐	**No:** ☒
Nesting Passerine within 150 feet (residential, commercial, residential areas):	**Yes:** ☐	**No:** ☒

Establishment of Nest Buffer and Justification:

N/A