

Baker JN: 195869
Request No.: AWR-03
Date: November 12, 2024

ADDITIONAL WORK REQUEST SUMMARY

Client: City of Murrieta

Project Name: Menifee Road

Summary of Additional Work: Biological Resources Services and Additional Work

As requested, this scope provides the requisite tasks needed for the project to amend and ensure consistency with the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). During the Western Riverside County Regional Conservation Authority and Wildlife Agencies (RCA/WA) Monthly Meeting in July, it was determined that the project would require a Minor Amendment and focused studies for MSHCP Survey Area species for coverage under the MSHCP. Additionally, during the meeting, the RCA/WA suggested the City consider wildlife movement across Menifee Road; therefore this scope includes preparation of conceptual vertical and horizontal alignments for a modified culvert under the proposed Menifee Road. The culvert will also facilitate the drainage flows and will be included in the stormwater and hydraulic reports. Regulatory permitting tasks have also been incorporated into this scope. It is assumed that no supplemental topography is needed at this time. We have yet to determine if the proposed project will fall under a Categorical Exemption (CE) as items that may trigger an ISMND (Task 15 from the original scope) are:

- Impacts and mitigation to replace MSHCP Conservation lands
- Habitat present for Crotch's Bumblebee that may require mitigation and replacement
- Mitigation for impacts on MSHCP riparian/riverine resources and aquatic resources

Tasks 6, 7, and 9 will identify if the resources listed above are present, level of impact, and whether or not mitigation is triggered under CEQA. If mitigation is required MBI will move forward with the ISMND and then Regulatory Permitting under Task 10 (hereon). If mitigation is not required, MBI will continue with the CE and obtain Regulatory Permitting.

TASK 1 **MSHCP MINOR AMENDMENT NOTIFICATION**

A notification letter for a proposed Minor Amendment to the MSHCP will be prepared for the City to submit to the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW) also known as the Wildlife Agencies. The notification letter will include a description of the Minor Amendment, the reason for the amendment, and an analysis of the environmental effects including any impacts to the conservation of Covered Species. The analysis will describe why the environmental effects: 1) are not significantly different from, and are biologically equivalent to, the terms in the MSHCP as originally adopted, 2) substantially conform to the terms in the MSHCP as originally adopted; and 3) will not significantly reduce the ability to acquire any Additional Reserve Lands.

Assumptions and Exclusions: This task assumes the City will identify and provide the precise electronic boundaries (GIS shapefiles) of the reduced right-of-way for Los Alamos Road needed for the Minor Amendment. This task includes the preparation and submittal of the MSHCP Minor Amendment Notification and one revision of the Minor Amendment should the Wildlife Agencies provide comments on the initial submittal. Coordination with the RCA/WAs to facilitate the MSHCP Minor Amendment is included under Task 4.

Deliverable: One draft and one final MSHCP Minor Amendment Notification letter submitted electronically in Microsoft Word and PDF format will be submitted to the City. If the Wildlife Agencies provided comments on the MSHCP Minor Amendment Notification letter, Michael Baker will provide a revised notification letter.

TASK 2 **FOCUSED BURROWING OWL SURVEY AND REPORT**

Suitable habitat for burrowing owl was determined to be present on the project site during the habitat assessment conducted under the original Task Order. Michael Baker qualified biologists will conduct Step II (Locating Burrows and Burrowing Owls) of the MSHCP Burrowing Owl Survey Instructions (RCA 2006). The two-part method is as follows:

- **Step II – Part A (Focused Burrow Survey):** A systematic survey for potentially suitable burrows, burrow complexes, or man-made features (e.g., debris piles) that could be used by burrowing owl as nest structures will be conducted on foot. All potentially suitable burrow features will be mapped, including GPS coordinates. Burrows encountered will be examined for shape, scat, pellets, white-wash, feathers, tracks, and prey remains. The location of suitable habitat, potential burrows, sign, and burrowing owls observed will be recorded and mapped with a hand-held GPS unit. Methods to detect presence of burrowing owls include direct observation, aural detection, and signs of presence. Where feasible, the focused burrow survey will be combined with a site visit in Step II – Part B (below). This has been incorporated into the project's cost.
- **Step II – Part B (Focused Burrowing Owl Survey):** Four visits will be conducted on four separate days during the breeding season (March 1 through August 31). Surveys

will be conducted from one hour before sunrise to two hours after sunrise or two hours before sunset to one hour after sunset.

All surveys will be conducted during weather conditions conducive to observing burrowing owls outside of their burrows (i.e., not during rain, high winds [> 20 mph], dense fog, or temperatures exceeding 90°F). Walking transects will be spaced approximately 33 feet apart or less to ensure 100% visual coverage of all areas. The survey area will include the project site and a 500-foot buffer, as legally accessible to Michael Baker. Binoculars will be used in areas that are inaccessible on foot, with more complete, thorough coverage within the proposed project site.

Areas providing potential habitat for burrowing owls will be surveyed for suitable burrows, consisting of natural and man-made substrates in areas with low, open vegetation within the project site. All burrow features encountered will be examined for shape, scat, pellets, white-wash, feathers, tracks, and prey remains. The location of all suitable burrowing owl habitat, potential owl burrows, burrowing owl sign, and any owls observed will be recorded and mapped with a hand-held GPS unit. Methods to detect presence of burrowing owls include direct observation, aural detection, and signs of presence.

Following the completion of the final survey, a letter report will be prepared that includes a summary of the methods, conditions, and results of the surveys. Site photographs taken during the field survey and figures will be included in the report to further enhance written text and visually identify specific biological information as it relates to the project site. This task includes time for GIS analysis to support the preparation of up to two figures.

Assumptions and Exclusions: This task assumes that potentially suitable burrow habitat for burrowing owl occurs on-site, requiring completion of four site visits in accordance with protocols provided in the MSHCP Burrowing Owl Survey Instructions. The site visit for Step I and Step II will be conducted on the same day. If after completion of the first survey no burrow habitat is found, the remaining 3 surveys under Step II would not be required. This task assumes that the City will provide full access to the project site, as well as keys to locked gates and advance notice to existing property tenants of our right of entry. This task also assumes one round of review/revisions of the draft burrowing owl survey report by the City before accepted as final.

Deliverables: One draft and one final Focused Burrowing Owl Survey Report submitted to the City electronically in Microsoft Word and PDF formats.

TASK 3 FOCUSED SPECIAL-STATUS PLANT SURVEY AND REPORT

Based on the habitat assessment conducted under the original Task Order and feedback from the RCA/WAs that the project is not a covered activity, Michael Baker botanists will conduct focused botanical surveys to document the presence and location(s) of narrow endemic plant species and criteria area plant species individuals and/or populations (if present) on the project site and surrounding 100-foot buffer, as legally accessible to Michael Baker. Table 1 summarizes the extent, survey area type, focal species, and bloom periods at the project site for the Narrow

Endemic Plant Species and Criteria Area Plant Species, as defined in the Western Riverside County MSHCP.

TABLE 1: Summary of Special-Status Plant Survey Area Species

Survey Area Type *	Focal Species	Bloom period
Narrow Endemic Plant Species	many-stemmed dudleya Wright's trichocoronis	April – July May – September
Criteria Area Plant Species	Davidson's saltscale thread-leaved brodiaea smooth tarplant round leaved filaree	April – October March – June April – September March – May

The survey will be conducted consistent with guidelines provided by the California Native Plant Society¹, U.S. Fish and Wildlife Service², and California Department of Fish and Wildlife³. The survey will be floristic in nature and species will be identified to the taxonomic level necessary to determine rarity and listing status. It is anticipated that three separate field visits will be conducted, one in March, May, and late-June 2025.

Prior to conducting the survey, Michael Baker botanists will also conduct a review of known reference sites to determine whether the target species are identifiable at the time of the survey and to obtain a visual image of the target species, associated habitat, and associated natural community. Each survey area will then be assessed systematically on foot by walking transects that will vary between approximately 10 and 50 feet apart depending on plant density and visibility to allow for 100 percent coverage necessary to inventory plant species.

Once the final survey is complete, Michael Baker will prepare a letter report using information gathered from the results of the focused plant survey. The letter report will include documentation and mapping of special-status plant species that are observed (if any). If special-status plants are discovered, Michael Baker will complete and submit to the CNDDDB California Native Species Field Survey Form(s), accompanied by a copy of the relevant portion of a 7.5-minute topographic map showing the occurrence mapped. Although an impact analysis in compliance with CEQA and the Western Riverside MSHCP will not be conducted, the report will provide recommendations for avoidance and minimization to reduce potential impacts to special-status plant species if detected.

¹ California Native Plant Society. 2001. CNPS Botanical Survey Guidelines. December 9, 1983. Revised June 2, 2001.

² U.S. Fish and Wildlife Service. 2000. Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants. January.

³ California Department of Fish and Wildlife. 2018. Protocols for Surveying and Evaluating Impacts to Special-Status Native Populations and Natural Communities. March 20, 2018. Available online at <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=18959&inline>.

Assumptions and Exclusions: This task assumes three field surveys will be conducted (including one for the reference site) and that the City will provide full access to the project sites and surrounding vicinity (to the extent practicable). The client will also provide keys to locked gates and advance notice to existing property tenants of Michael Baker's right of entry. This task also assumes one round of review/revisions to the draft report before accepted as final.

Deliverables: One draft and one final Focused Special-Status Plant Survey Report submitted to the City for review electronically in Microsoft Word and PDF formats.

TASK 4 RESOURCE AGENCY COORDINATION

Our team anticipates up to 24 hours will be necessary for coordination with the RCA/WAs to review and process the MSHCP Minor Amendment request, Determination of Biologically Equivalent or Superior Preservation (DBESP; Task 7), and Joint Project Review. Coordination will occur via email correspondence with the resource agencies, phone calls, and up to four (4) virtual conference calls. This task includes a brief meeting with the City prior to any meeting with the resource agencies. It also includes four hours for GIS to prepare figures or shapefiles that may be necessary to present to the RCA and Wildlife Agencies.

Assumptions and Exclusions: As the permittee, the City will be responsible for submitting a written request to the RCA to appear on the agenda of a Wildlife Agency meeting and correspondence with the RCA.

Deliverables: Illustrative figures to present to the RCA and Wildlife Agencies during review meetings.

TASK 5 WILDLIFE CROSSING RESEARCH AND DESIGN

The proposed project was initially presented as a limited road paving effort that would not result in an increase to width/capacity in order to ensure public safety while streamlining the MSHCP consistency analysis. Due to recent design considerations, project impacts are now anticipated to extend beyond the existing and maintained right-of-way into adjacent conserved lands identified in the MSHCP (Core Area). The project footprint now overlaps with a Core Area and must comply with the MSHCP guidelines in Section 7.5.2 (Guidelines for Construction of Wildlife Crossings) of the Plan. A Michael Baker biologist will work internally with project engineers to provide and define the MSHCP guidelines and considerations that need to be incorporated into the project design, including latest scientific data and research available from the resource agencies and other scientific literature. The biologist will also help the City facilitate discussions with the RCA and Wildlife Agencies (under Task 4) to ensure the proposed design is consistent with the MSHCP. Up to three (3) conceptual designs will be submitted to the City based on feedback from the RCA/WAs.

Assumptions and Exclusions: This task assumes attendance at up to three (3) conceptual designs and meetings requiring up to 20-person hours for research, preparation, and assistance with project design considerations.

Deliverables: No deliverable is associated with this task.

TASK 6 ADDED-ON SUPPORT FOR THE HABITAT ASSESSMENT AND MSHCP CONSISTENCY ANALYSIS

The original Task Order for the proposed project included the Biological Resources Habitat Assessment and MSHCP Consistency Analysis. Based on the discussions with the resource agencies, the draft Habitat Assessment and MSHCP Consistency Analysis Report will be updated with the findings of the focused studies in Task 2, 3 and 9, a revised impact analysis to MSHCP species, and incorporate the results of the coordination with the RCA/WAs on the MSHCP Minor Amendment (Task 4). In addition, as requested by the CDFW, Michael Baker will analyze the potential habitat and impact to Crotch's bumble bee (*Bombus crotchii*), a species that is a candidate for protection under the California Endangered Species Act and not currently analyzed in the MSHCP as a Covered Species. Results of the habitat suitability and impact assessment will be incorporated into the report.

Assumptions and Exclusions: This task assumes the RCA and Wildlife Agencies will approve the MSHCP Minor Amendment (Task 4) for Menifee Road Paving and the project will be considered an MSHCP Covered Activity.

Deliverables: One draft and one final Habitat Assessment and MSHCP Consistency Analysis submitted to the City for review electronically in Microsoft Word and PDF formats.

TASK 7 DETERMINATION OF BIOLOGICALLY EQUIVALENT OR SUPERIOR PRESERVATION REPORT

Since the proposed project now has the potential to potentially impact riparian/riverine resources, special-status plants, and/or burrowing owl, a DBESP will be required to comply with the MSHCP. The DBESP Report will be prepared and submitted to the RCA and Wildlife Agencies for review and approval. The DBESP Report will be prepared in accordance with the RCA's most recent DBESP template and will include the following:

- Definition of the project area
- A written project description, demonstrating why an avoidance alternative is not feasible
- A written description of biological information available for the project site including the results of resource mapping
- Quantification of unavoidable impacts to riparian/riverine areas, vernal pools, burrowing owl, or other MSHCP-covered resources associated with the project, including direct and indirect effects

- A written description of project design features and mitigation measures that reduce indirect effects, such as edge treatments, landscaping, elevation difference, minimization, and/or compensation through restoration or enhancement:
 - Compensatory mitigation measures developed during the pre-application meetings with the RCA, USACE, RWQCB, CDFW, and USFWS will be used to offset impacts as appropriate.

- A finding demonstrating that although the proposed project would not avoid impacts, with proposed design and compensation measures, the proposed project would be biologically equivalent or superior to that which would occur under an avoidance alternative without these measures, based on one or more of the following factors:
 - Effects on Conserved Habitats
 - Effects on the riparian/riverine species listed in MSHCP Section 6.1.2
 - Effects on riparian Linkages and function of the MSHCP Conservation Area

This task includes GIS staff time to analyze and create the figures or exhibits, which will be prepared on an aerial photograph base at a scale of 1:2,400 (1 inch = 200 feet) and time for coordination with the wildlife agencies.

Assumptions and Exclusions: This report will be included in the Joint Project Review (JPR; Task 8) submittal package. Submittal of the report to the RCA will trigger the start of a 10-day (business day) review. Once the RCA concurs with those findings, they will forward the report to the Wildlife Agencies which will trigger the start of their 60-day review period. Four hours have been included in this scope for RCA and wildlife agency coordination that may be necessary if they provide additional comments. This task also assumes one round of review/revisions to the draft report before submittal to the RCA/Wildlife Agencies and a second round of review/revisions to the draft report before submitting the final DBESP to the RCA/Wildlife Agencies for their review and concurrence.

Deliverables: One draft and one final Determination of Biological Equivalent or Superior Preservation Report submitted to the City electronically in Microsoft Word and PDF formats.

TASK 8 JOINT PROJECT REVIEW APPLICATION

The application package for a Joint Project Review (JPR) will be prepared for submittal to the RCA and Wildlife Agencies. The application will be prepared using the data from the Habitat Evaluation and MSHCP Consistency Analysis, focused surveys (Task 2 and 3), DBESP (Task 7), and GIS shapefiles.

Assumptions and Exclusions: Michael Baker will submit the JPR package to the City for review and approval. As the permittee, the City will be responsible for submitting the JPR package to the RCA. Submittal of the JPR package will trigger the start of a 14-calendar day review by the RCA. Once the RCA concurs with the JPR, they will forward the package to the Wildlife Agencies which

will trigger the start of their 10-day review period. This task also assumes one round of review/revisions to the draft JPR package before submittal to the RCA/Wildlife Agencies and a second round of review/revisions to the draft report before submitting the final DBESP to the RCA/Wildlife Agencies for their review and concurrence.

Deliverable: One draft and one final JPR application will be submitted to the City.

OPTIONAL TASK 9 CROTCH'S BUMBLE BEE HABITAT EVALUATION **MEMORANDUM**

Based on initial feedback from the CDFW, there is a potential that focused surveys will be necessary for the Crotch's bumble bee on the project site. The CDFW's Survey Considerations for California Endangered Species Act Candidate Bumble Bee Species document that was issued June 6, 2023 will be used for evaluating the presence of the species. Unfortunately, there are no definitive survey methods provided though references to the California Bee Atlas and Rusty Patch Bumble Bee protocols. Therefore, close coordination with the CDFW is required to conduct these focused survey efforts. Other key considerations include the preferred survey windows as occurring between April and August, and that the CDFW considers Crotch's bumble bee survey results only valid for one year following completion. As a result, Michael Baker recommends documenting the results of a comprehensive habitat evaluation to support resource agency coordination as part of Task 4 and updates to the Habitat Assessment and MSHCP Consistency Analysis Report as part of Task 6.

A Michael Baker biologist will review reliable historical and current occurrence records for Crotch's bumble bee, including but not limited to, the California Natural Diversity Database (CNDDDB) and the Bumble bees of North America occurrence database, and citizen science data platforms such as iNaturalist and Bumble Bee Watch. A memorandum will be prepared summarizing the data review and vegetation mapping of areas providing suitable foraging, nesting, and/or overwintering resources for Crotch's bumble bee.

Assumptions and Exclusions: The results and impacts of the memorandum will be integrated directly into the Habitat Assessment report (Task 6). Based on CDFW Survey Considerations, Crotch's Bumble Bee can move from site to site across years, therefore a negative result in one year, does not mean the species would not be present in a subsequent year. The memorandum prepared under this task will inform the City, consulting team, and CDFW of the potential for the species to occur on the project site, and help the project team to determine if focused surveys will be necessary, if the species should be assumed present, and potential mitigation or permitting that may be necessary.

Deliverables: One draft and one final memorandum of the Crotch's Bumble Bee habitat assessment.

TASK 10 REGULATORY PERMITTING

Michael Baker will complete the following tasks as the project will impact mapped jurisdictional aquatic resources. This task replaces OPTIONAL TASK 3 in AWR-2.

TASK 10A RWQCB WASTE DISCHARGE REQUIREMENTS

Impacts to non-federal waters of the State are permitted through Waste Discharge Requirements (WDRs) under the Porter-Cologne Water Quality Control Act. A written request for a WDR will be submitted to the RWQCB, San Diego Region. The WDR request generally includes the following items:

- A completed application form;
- A detailed project description;
- A description of project impacts;
- A description of best management practices provided by the applicant to avoid erosion and sedimentation or discharge of materials into stormwater, both during construction and long-term project operation;
- A discussion of the approvals being obtained from other federal, state, and local agencies
- The project CEQA document;
- An alternatives analysis;
- Application fee assessed using the RWQCB schedule (to be assessed by Michael Baker and provided by the applicant).

Under the new State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State, the RWQCB requires that a request for pre-application meeting be submitted 30 days prior to submitting the application. Michael Baker will submit the request by email and facilitate the pre-application meeting, which is typically held online via Zoom or Microsoft Teams. Pursuant to the State Permit Streamlining Act, the RWQCB has 30 days following receipt of the application to deem it complete or request additional information. Following a determination that the application is complete, the RWQCB has an additional 60 days to issue the permit.

Assumptions: This task includes one impact analysis of the proposed project's development footprint (at least 30% engineering design) and one round of review/revisions on the draft application package before accepted as final. A reasonable range of alternatives will be provided to Michael Baker in order to prepare the alternatives analysis. Compensatory mitigation options will be provided to Michael Baker if deemed necessary. The application package will be finalized based upon one round of comments.

Deliverables: One draft and one final Waste Discharge Requirement application package. Submittal to the RWQCB will be made by Michael Baker through email/RWQCB ftp site.

TASK 10B CDFW STREAMBED ALTERATION AGREEMENT

Michael Baker will prepare the SAA application for submittal to CDFW (Inland Deserts, Region 6) to request authorization to temporarily and permanently impact Waters of the State associated with construction of the roadway. The SAA request generally includes the following items:

- A completed application form;
- A detailed project description;
- A description of project impacts;
- A discussion of the approvals and certifications being obtained from other federal, state, and local agencies;
- The project CEQA document;
- The SAA application fee using the 2025 fee schedule (to be assessed by Michael Baker and provided by the Applicant).

CDFW is a state agency; therefore, under the state Permit Streamlining Act, when the term of the requested agreement is 5 years or less, CDFW has 30 days following receipt of the 1602 application to deem an application complete or request additional information. Following a determination that the application is complete, CDFW has an additional 60 days to issue the draft 1602 SAA for review/signature by the Applicant.

Assumptions: This task includes one impact analysis of the proposed project's development footprint (at least 30% engineering design) and one round of review/revisions to the draft report before accepted as final.

Deliverables: One draft and one final 1602 Streambed Alteration Agreement application package. Compensatory mitigation options will be provided to Michael Baker if deemed necessary. The application and supporting materials will be uploaded by Michael Baker using the CDFW EPIMS online system.

TASK 10C USACE APPROVED JURISDICTIONAL DETERMINATION

This task includes the preparation of an Approved Jurisdictional Determination (USACE concurrence). The determination is the USACE's formal approval, which locks in jurisdictional and/or non-jurisdictional findings for up to five (5) years. This is an optional task that will be required if it is determined that the project will result in impacts to jurisdictional aquatic resources.

Michael Baker shall use the Streamflow Duration Flow Method (SDAM) to classify project aquatic features to support the regulatory permit processing with the USACE. SDAMs are rapid field assessment methods that use hydrological, geomorphological, and/or biological indicators, observable in a single site visit, to classify streamflow duration as perennial, intermittent, or ephemeral at the reach scale.

Michael Baker shall use the current Field Form for the beta Arid West SDAM, dated December 2020. Site photographs and GPS points shall also be gathered during the site reconnaissance.

Upon completion of the field assessment, Michael Baker shall prepare a technical memorandum that identifies the stream flow duration of the given study areas. The memorandum shall include backup data from the literatures review as well as site reconnaissance.

Assumptions and Exclusions: This task assumes one (1) round of reviews/revisions to the draft Approved Jurisdictional Determination before accepted as final. This task assumes Michael Baker will submit the Approved Jurisdictional Determination request to the USACE via email and provide as-needed assistance to support the USACE with their determination.

Deliverables: One draft and one final Approved Jurisdictional Determination will be submitted electronically in Microsoft Word and PDF formats.

TASK 10D PERMIT TRACKING AND RESOURCE AGENCY COORDINATION

Once the application packages are submitted, the status of AJD and applications will be coordinated with the USACE, RWQCB, and CDFW throughout processing to ensure that any potential issues are communicated to the City and resolved at the earliest possible opportunity. This critical coordination may include telephone, email, or written correspondence, or meetings with the agencies. This task includes one site visit with regulatory agency staff and the applicant, if requested by the agencies.

Deliverables: Digital copies of all agency correspondence, including emails, phone log, and meeting minutes associated with regulatory permitting consultations.

TASK 11 ADDITIONAL WORK TO EXISTING SCOPE

Original Task 5 Hydrology and Hydraulic

Michael Baker shall add hydraulic capacity of the proposed culvert in addition to the existing culvert. The relevant tributary area to the new culvert will be investigated to see if there are any concerns. Michael Baker will discuss hydraulic concerns, if any, related to the proposed design with the City.

Original Task 6 Vertical Alignment Design

Michael Baker shall redesign the preliminary vertical alignment to provide enough cover over the proposed culvert.

Original Task 7 Horizontal Alignment Design

Michael Baker shall use the redesigned vertical alignment to update the horizontal alignment. With the addition of the culvert, the roadway will be slightly elevated. This elevation will cause the daylight line to exceed the existing requested considered right of way.

Updates to the Right of Way (ROW) and Temporary Construction Easement (TCE) Areas Exhibit will be made based on the findings.

Exclusions

Consulting services relating to any of the following tasks may be completed by consultant if negotiated under a separate contract for an additional fee; but are presently specifically excluded from this Agreement:

1. Any other services not specifically set forth in the above Scope of Services

Estimated Fee for Additional Work:

<u>ITEM</u>	<u>WORK TASK</u>	<u>FEE</u>
Task 1	MSHCP Minor Amendment.....	\$8,320
Task 2	Focused Burrowing Owl Survey and Report	\$11,598
	ODCs.....	\$764
Task 3	Special Status Plant Surveys and Report	\$12,774
	ODCs.....	\$573
Task 4	Resource Agency Coordination	\$4,980
Task 5	Wildlife Crossing Design Concepts	\$2,902
Task 6	Additional Support for MSHCP Consistency Analysis	\$4,876
Task 7	Determination of Biologically Equivalent or Superior Preservation Report	\$10,552
Task 8	Joint Project Review Application	\$1,845
Task 9	Crotch’s Bumble Bee Survey and Report (Optional)	\$2,512
	ODCs.....	\$191
Task 10a	RWQCB Waste Discharge Requirements.....	10,542
Task 10b	CDFW Streambed Alteration Agreement.....	\$7,182
Task 10c	USACE Approved JD.....	\$7,182
Task 10d	Permit Processing and Coordination.....	\$11,972
	ODCs	\$81
Task 11	Additional Work to Existing Scope	\$12,460
	Original Task 5 – Hydrology & Hydraulic Study	\$4,594
	Original Task 6 – Vertical Alignment.....	\$5,244
	Original Task 7 – Horizontal Alignment.....	\$2,622
TOTAL FEES		\$111,306

** This scope of work will be completed on a time-and-materials, not-to-exceed basis and will not exceed the estimated budget unless prior consent is obtained. All work will be invoiced on a monthly basis. Should the total of the monthly billings reach eighty percent (80%) of the budget amount, Client and Michael Baker will review the status of the work to determine the need for an increase in the budget amount, and whether additional budget authorization to complete the project is appropriate.

The fees proposed herein shall apply until 12/31/2025. Michael Baker International reserves the right to increase those portions of the contract fee for which work must continue after 12/31/2025. Table 2 provides a breakdown of costs per task included in the Scope of Work.

Prepared By:

Lonnie Druliner
Michael Baker International Inc.
Department Manager Public Works/Transportation

Date:

Authorized By:

City of Murrieta
Name
Title

Date:

ID	Task Name	Start	Finish	2025												2026	
				Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Minor Amendment	Mon 11/18/24	Sat 5/3/25	[Gantt bar from Nov 18 to May 3]													
2	Draft Minor Amendment	Mon 11/18/24	Fri 11/29/24	[Task bar]													
3	Presubmittal Check-In with Wildlife Agency	Mon 12/2/24	Fri 12/13/24	[Task bar]													
4	Revise Minor Amendment	Mon 12/16/24	Fri 12/20/24	[Task bar]													
5	Submit Minor Amendment	Fri 12/20/24	Tue 2/18/25	[Task bar]													
6	Address Comments	Wed 2/19/25	Tue 3/4/25	[Task bar]													
7	Resubmittal Minor Amendment for Final	Tue 3/4/25	Sat 5/3/25	[Task bar]													
8	Focused Studies/Habitat Evaluation	Sat 3/1/25	Sun 8/31/25	[Gantt bar from Mar 1 to Aug 31]													
9	Burrowing Owl Focused Study	Sat 3/1/25	Sun 8/31/25	[Task bar]													
10	Rare Plant Focused Study	Tue 4/1/25	Mon 6/30/25	[Task bar]													
11	Croch's Bumble Bee Habitat Evaluation	Tue 4/1/25	Sun 8/31/25	[Task bar]													
12	JPR & DBESP	Mon 9/1/25	Fri 2/13/26	[Gantt bar from Sep 1 to Feb 13]													
13	Draft JPR & DBESP	Mon 9/1/25	Fri 9/12/25	[Task bar]													
14	Submit Draft JPR & DBESP to RCA	Mon 9/15/25	Fri 9/26/25	[Task bar]													
15	RCA to submit to USFWS/CDFW	Mon 9/29/25	Fri 11/28/25	[Task bar]													
16	Address Comments	Mon 12/1/25	Fri 12/12/25	[Task bar]													
17	Resubmittal for Final to USFWS/CDFW	Mon 12/15/25	Fri 2/13/26	[Task bar]													
18																	
19																	
20																	
21	AFTER ENVIRONMENTAL																
22	Regional Water Quality Control Board Waste Discharge Requirement (RWQCB WDR)																
23	California Department of Fish and Wildlife Streambed Alteration Agreement (CDFW SAA)																
24	CDFW Incidental Take Permit - Crotch's Bumble Bee ITP																

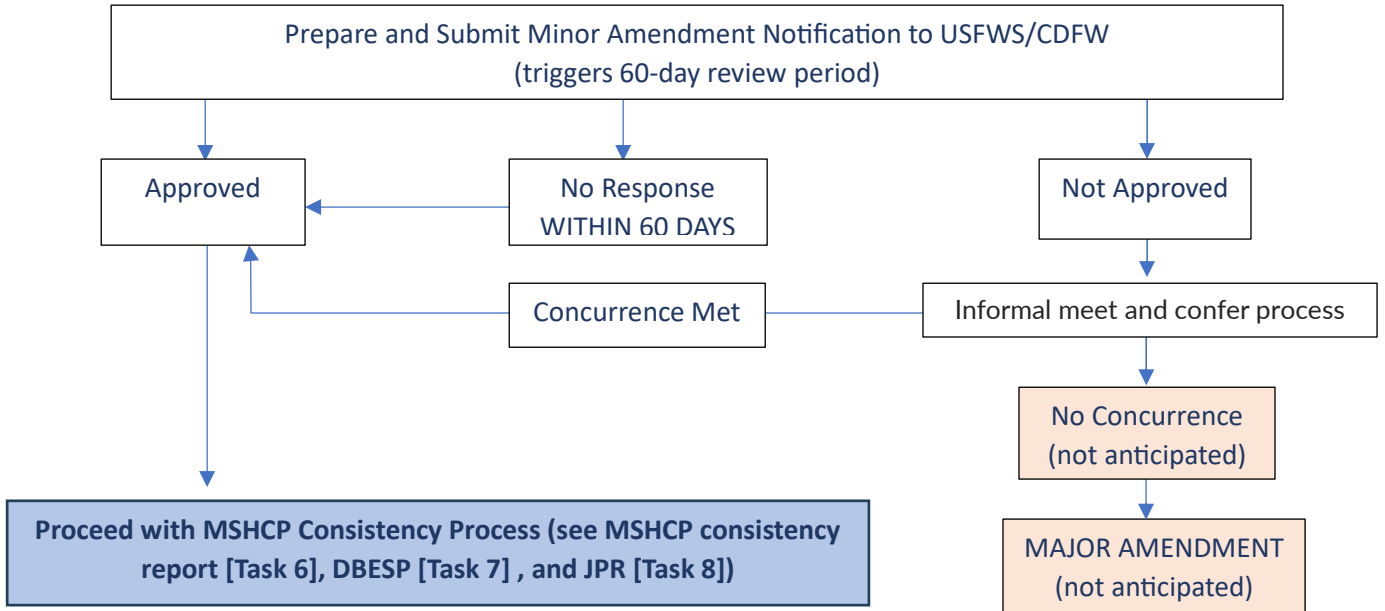
6 to 9 Months

6 to 9 Months

9 to 12 Months

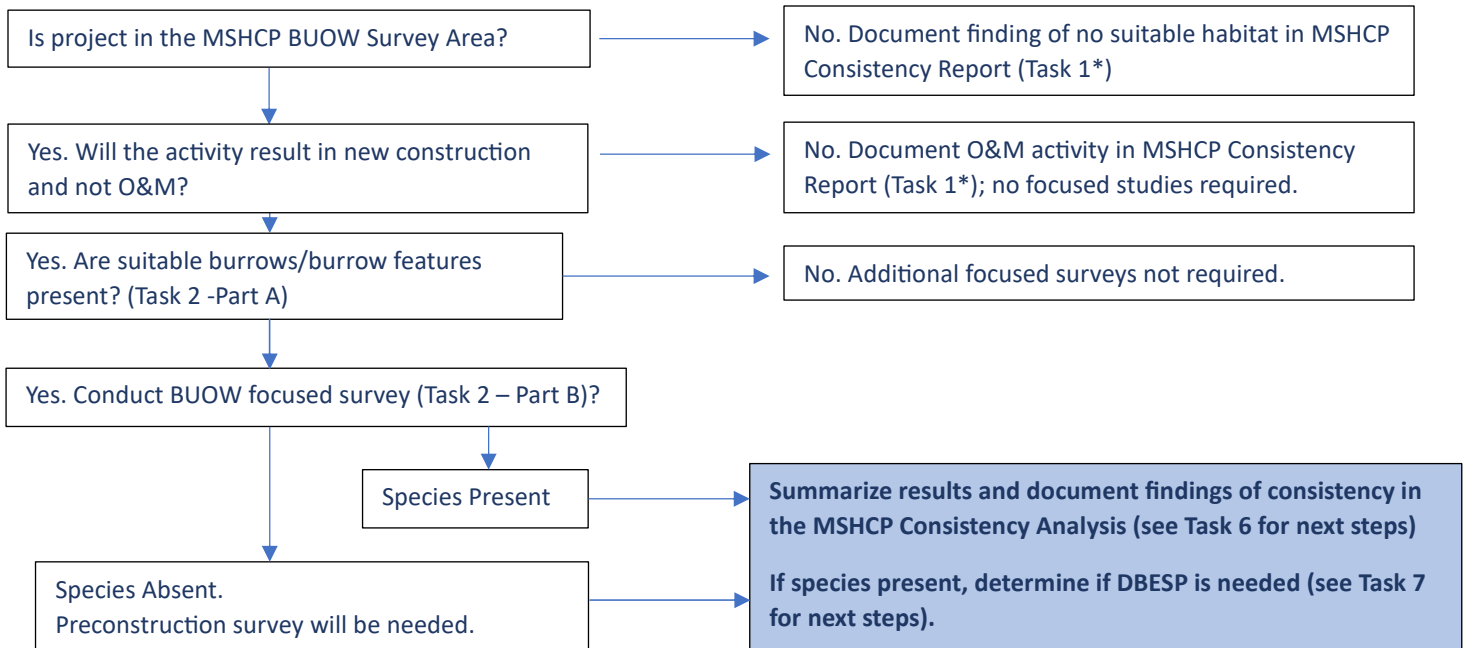
Menifee Road MSHCP Flow Chart

MINOR AMENDMENT (TASK 1)



FOCUSED BIOLOGICAL STUDIES

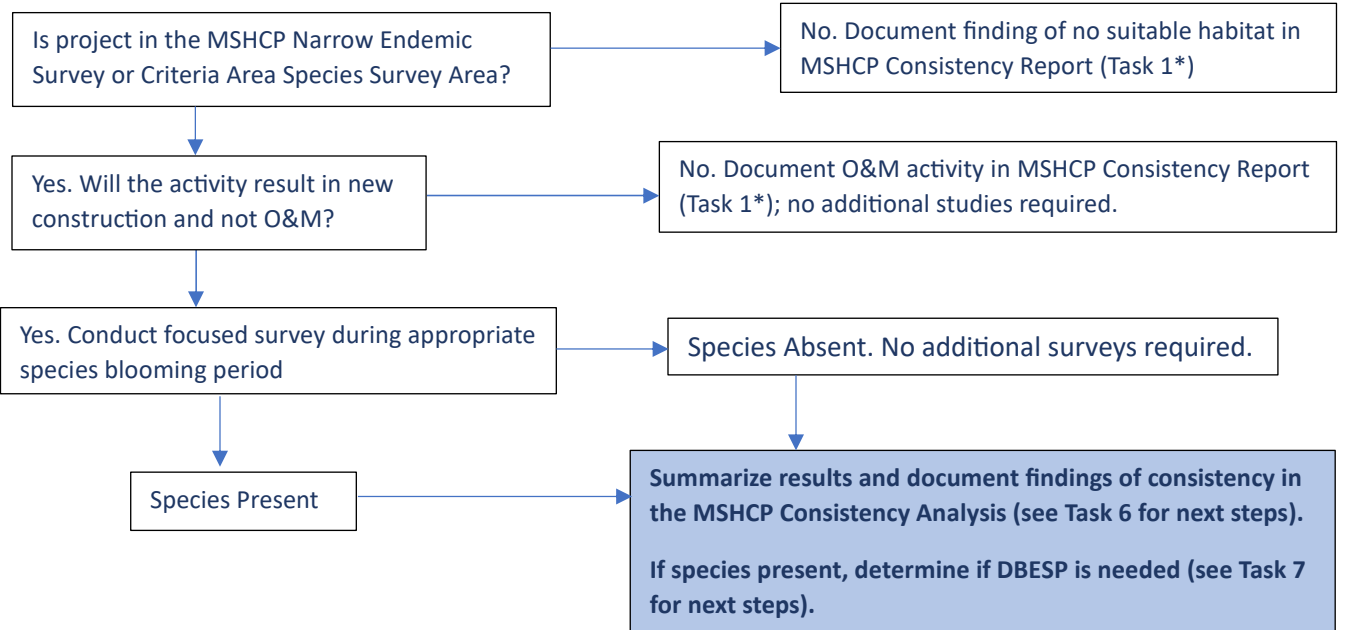
BURROWING OWL FOCUSED SURVEY & REPORT (TASK 2)



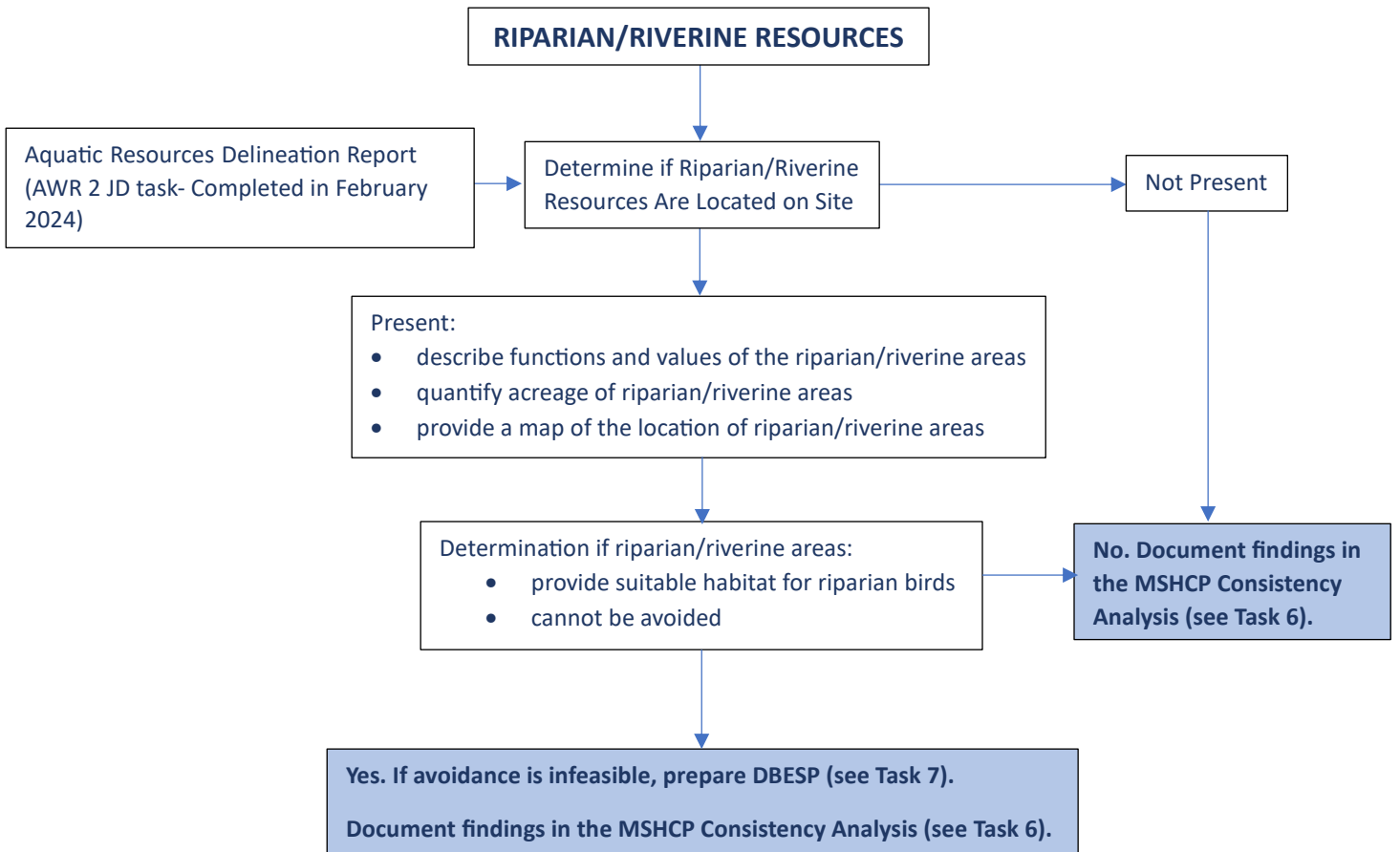
*Original scope of work

These tasks are not in
current AWR request

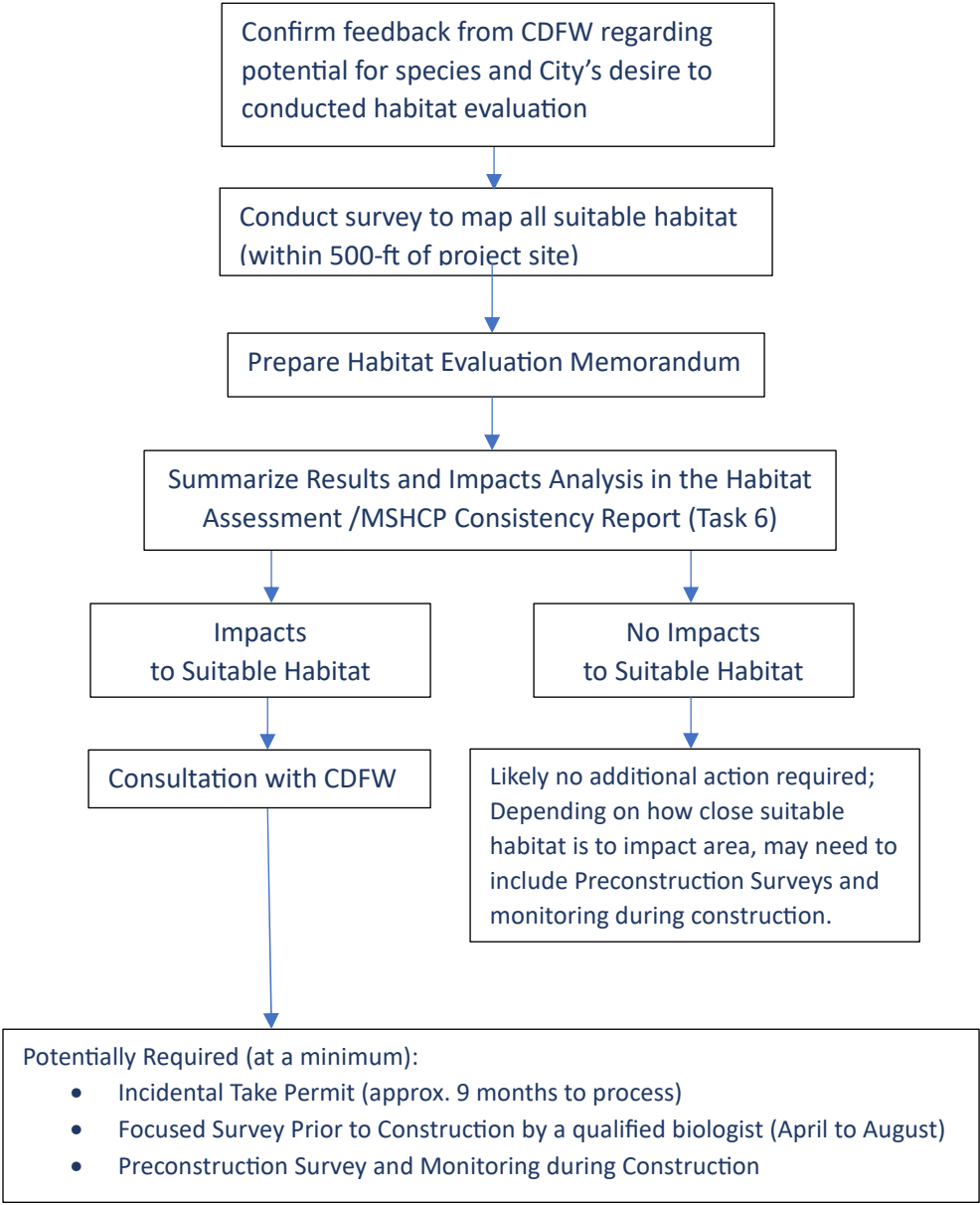
RARE PLANT FOCUSED SURVEY & REPORT (TASK 3)



RIPARIAN/RIVERINE RESOURCES



CROTCH'S BUMBLE BEE SURVEY & REPORT (OPTIONAL TASK 9)



HABITAT ASSESSMENT AND MSHCP CONSISTENCY ANALYSIS (TASK 6)

MSHCP CONSISTENCY DETERMINATION FOR EACH (Section 6.1.2, Section 6.1.4, Section 6.1.3, Section 6.3.2)

Riparian/Riverine Resources Resource (Section 6.1.2)

Narrow Endemic Plants Species (Section 6.1.3)

Urban Wildlands Interface Guidelines (Section 6.1.4)

Burrowing Owl (Section 6.3.2)

Criteria Area Plant Species (Section 6.3.2)

Prepare impacts analysis for each resource (above)

Develop Avoidance/Minimization/Mitigation Measures

Incorporate MSHCP Appendix C Measures, Construction Guidelines in Section 7.5.3, and Guidelines for Construction of Wildlife Crossings in Section 7.5.2 (Task 5)

Make Final Consistency Determination

Submit Report with the JPR Package (See JPR Application Task 8)

Determination of Biologically Equivalent or Superior Preservation (TASK 7)

If any one of the following are present and avoidance is NOT feasible¹:

Riparian/Riverine Resources Resource (Section 6.1.2)

Narrow Endemic Plants Species (Section 6.1.3)

Criteria Area Plant Species (Section 6.3.2)

AND the area onsite provides long-term conservation value (LCTV)

Avoid 90% of areas with LCTV

Avoidance of 90% areas with LCTV **NOT** feasible

Burrowing Owl (Section 6.3.2)

Document in MSHCP Consistency Determination (see Task 6 above)

AND 3 or more pairs are present on 35+ acre site

AND 1-2 pairs are present

Notify RCA/WA; may need to prepare a BUOW Protection and Relocation Plan

AND the area onsite provides long-term conservation value (LCTV)

Avoid 90% of areas with LCTV

Avoidance of 90% areas with LCTV **NOT** feasible

Document Equivalency Finding in the DBESP (Task 7) DBESP

Submit DBESP for Joint Project Review (See Task 8)

¹ If the resource is not present or there is no LCTV, document finding in the Consistency Determination (see Task 6).

Joint Project Review (JPR) (Task 8)

Prepare JPR Package:

- JPR Application
- MSHCP Consistency Report (Task 4)
- DBESP Report (Task 7), if prepared
- Site Plan Shapefiles
- Application Fee

City Submits JPR Package to the Western Riverside County Regional Conservation Authority (RCA)

RCA Review (14 calendar days)
(City may receive comments, extending reviews)

RCA determines project is in compliance with MSHCP

RCA determines project is **NOT** in compliance with MSHCP

RCA submits Consistency Findings to Permittee (City) & Wildlife Agencies (WA's)

RCA submits Non-Consistency Findings to Permittee (City) & Wildlife Agencies

WA's review JPR (10 Business days)

Note: If there is a DBESP, WA's finding will be provided after 60 calendar days.

Meet & Confer within 30 days

WA's provide MSHCP Findings to Permittee & RCA

RCA provides Consistency Findings to City & Wildlife Agencies

WA's provide City with comments

WA's Concur with the RCA

City addresses comments and resubmits to WA's

CITY COMPLETES JPR, CEQA, & PROJECT APPROVAL

WA's provides Consistency Findings to City & RCA

