Orange County Feeder Relining Project

MITIGATION MONITORING AND REPORTING PROGRAM

SCH # 2014081017



Metropolitan Report No. 1428

The Metropolitan Water District of Southern California

October 2014

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LIST OF ACRONYMS

CDFW California Department of Fish and Wildlife

CEQA California Environmental Quality Act

CTE coal tar enamel

DTSC Department of Toxic Substances Control

EIR Environmental Impact Report

EPA U.S. Environmental Protection Agency

Metropolitan The Metropolitan Water District of Southern California

MLD most likely descendant

MMRP Mitigation Monitoring and Reporting Program

MND Mitigated Negative Declaration

NAHC Native American Heritage Commission

OCEHD Orange County Environmental Health Division

PCB polychlorinated biphenyl

RWQCB Regional Water Quality Control Board

SCAQMD South Coast Air Quality Management District

SHPO State Historic Preservation Officer

INTRODUCTION

The California Environmental Quality Act (CEQA) requires agencies that adopt environmental impact reports (EIRs) and mitigated negative declarations (MNDs) to take affirmative steps to ensure that approved mitigation measures are implemented subsequent to project approval.

Effective January 1, 1989, CEQA was amended to add Section 21081.6, thereby implementing Assembly Bill 3180. As part of CEQA's (state-mandated) environmental review procedures, Section 21081.6 requires a public agency to adopt a reporting or monitoring program for assessing and ensuring the efficacy of any mitigation measures that have been applied to a proposed project. Specifically, the lead or responsible agency must adopt a reporting or monitoring program for mitigation measures that have been incorporated into a project or imposed as conditions of approval. The program must be designed to ensure compliance during project implementation. The proposed mitigation monitoring and reporting program (MMRP) for the Orange County Feeder Relining Project shall be submitted for adoption by the decision makers prior to completion of the environmental review process. The Metropolitan Water District of Southern California (Metropolitan) will use this MMRP to ensure compliance with the mitigation measures associated with execution of the proposed master plan project. The implementation and monitoring requirements set forth in this MMRP are as follows:

- Party Responsible for Implementation of Mitigation
- Implementation Phase
- Party Responsible for Monitoring Activity
- Monitoring Activity
- Monitoring Period
- Monitoring Frequency
- Outside Agency Coordination

Mitigation is required to address significant or potentially significant impacts related to the following:

- Biological Resources
- Cultural Resources
- Hazardous Materials
- Noise
- Transportation and Traffic

MITIGATION MONITORING AND REPORTING							
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY COORDINATION		MONI	TOR NAME & DATE
BIO-1. If construction activities are scheduled to occur from February 15 to August 31, a qualified biologist will conduct surveys for active nests no more than 5 days prior to the start of work. If no active nests are found, no further actions will be required. However, if nesting activity is observed, the nest site and vicinity (buffer to be determined by the biological monitor) must be protected until nesting activity has ended or as otherwise directed by a qualified biologist.	Construction	Contractor Metropolitan	Responsible Party(s) Environmental Lead Resident Engineer Project biologist Monitoring Period (1) Construction Frequency (1) Once prior to construction	California Department of Fish and Wildlife (CDFW)	INITIAL	DATE	COMMENTS
BIO-2. If work at stations 1916+50 and 1933+65 is expected to occur from February 15 through August 31, a qualified biologist who is experienced with conducting surveys for California gnatcatcher, yellow-breasted chat, and least Bell's vireo will conduct a preconstruction survey for lands within 500 feet of the stations no more than 5 days prior to the start of work. If it is determined that California gnatcatcher, yellow-breasted chat, and/or least Bell's vireo are nesting within 500 feet of the stations, then the biologist will establish appropriate buffers to avoid indirect impacts on the species. The extent of the buffers will take into account the habitat and landscape position in relation to the stations. No work will occur within the buffer until the biologist determines that nesting activities have ceased and that no potential impacts will occur.	Construction	Contractor Metropolitan	Responsible Party(s) Environmental Lead Resident Engineer Project biologist Monitoring Period (1) Construction Frequency (1) Once prior to construction	CDFW			
BIO-3. All vehicle and equipment maintenance and refueling will occur in areas at least 0.25 mile away from waterways or wetlands. Spill prevention and response plans will be prepared prior to the initiation of	Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead Resident Engineer	N/A			

MITIGATION MONITORING AND REPORTING							
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY COORDINATION		MONI	TOR NAME & DATE
construction activities. All necessary equipment for containing and cleaning up a spill on-site during construction shall be within 0.25 mile of natural vegetation associated with San Diego Creek or Bonita Creek or other waterways.			Monitoring Period (1) Construction Frequency (1) Once prior to construction		INITIAL	DATE	COMMENTS
CULT-1. If cultural resources are encountered during ground-disturbing activities, work in the immediate area will be halted, and an archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards for Archaeology (National Park Service 1983) will be contacted immediately to evaluate the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for California Register of Historical Resources eligibility. If the discovery proves to be significant under CEQA and cannot be avoided by the project, additional work, such as data recovery excavation, may be warranted to exhaust the data potential of the resource, thereby reducing any impact to a less-than-significant level.	Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead Resident Engineer Project archaeologist Monitoring Period Construction Frequency Conserved in needed	State Historic Preservation Officer (SHPO), Native American Heritage Commission (NAHC)			
CULT-2. If human remains are found, Section 7050.5 of the State of California Health and Safety Code states that no further disturbance shall occur until the county coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In accordance with this code, in the event of an unanticipated discovery of human remains, the Orange County Coroner will be notified immediately. If the human remains are determined to be prehistoric, the	Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead Resident Engineer Project archaeologist Monitoring Period Construction Frequency	SHPO, NAHC, Orange County Coroner, most likely descendant (MLD)			

MITIGATION MONITORING AND REPORTING							
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY COORDINATION		MONI	TOR NAME & DATE
coroner will notify the NAHC, which will determine and notify a MLD. The MLD will complete an inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.			(1) Once, if needed	COOLDINATION	INITIAL	DATE	COMMENTS
HZ-1. The coal tar enamel lining will be removed from the pipeline interior in accordance with applicable laws and regulations for hazardous wastes and placed in storage containers. Contractor will sample and test removed pipeline materials to determine whether there are concentrations of PCBs, asbestos, and/or lead in these materials. Testing for PCBs, asbestos, and lead will be done through EPA Method 8082 and Soluble Threshold Limit Concentration regulatory requirements, as defined by DTSC. If PCBs are found in the pipeline materials, the waste will be disposed of pursuant to CFR Title 40, part 761.	Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead Resident Engineer Monitoring Period Construction Frequency Construction Frequency The second of the s	Department Toxic Substances Control (DTSC), U.S. Environmental Protection Agency (EPA)			
HZ-2. Contractor will comply with South Coast Air Quality Management District Rule 1403, Asbestos Emissions from Demolition/Renovation Activities, during all construction and demolition activities.	Construction	Contractor Metropolitan	Responsible Party(s)	South Coast Air Quality Management District (SCAQMD)			
HZ-3. Groundwater flow is unlikely but may be encountered during excavation and construction. A groundwater plan shall be developed prior to	Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead	Regional Water Quality Control Board			

MITIGATION MONITORING AND REPORTING							
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY		MONI	TOR NAME & DATE
construction, and discharges will be in accordance with applicable rules and regulations. The provisions of the groundwater plan will include, but not be limited to, the following: • Construction personnel will seek the professional recommendation of a consultant who specializes in the handling and identification of hazardous materials. The identification of the possible hazardous materials typically involves groundwater sampling, analysis, and recommendations for remediation. • All construction activities will be suspended in the immediate area until the groundwater is investigated for potentially hazardous content. • If groundwater contamination is encountered in any location during the project, the construction contractor will notify the Regional Water Quality Control Board (RWQCB) and the Orange County Environmental Health Division if the contamination is petroleum related; the construction contractor will notify the Orange County Environmental Health Division if the contamination is non-petroleum related and seek guidance regarding assessment and remediation requirements.			Resident Engineer Monitoring Period (1) Construction Frequency (1) Once prior to construction	AGENCY COORDINATION (RWQCB), Orange County Environmental Health Division (OCEHD)	INITIAL	DATE	COMMENTS
If dewatering activities are necessary, the construction contractor will notify the RWQCB and obtain the appropriate NPDES [National Pollutant Discharge Elimination System] discharge permits.							

MITIGATION MONITORING AND REPORTING							
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY COORDINATION		MONI	TOR NAME & DATE
 HZ-4. In the event that odiferous, stained, or discolored soil is encountered, the following measures will be taken: Construction personnel will seek the professional recommendation of a consultant who specializes in the handling and identification of hazardous materials. The identification of possible hazardous materials typically involves soil sampling, analysis, and recommendations for remediation. Construction will be suspended until the soil is properly characterized for hazardous waste content. The construction contractor will notify the Orange County Environmental Health Division of the findings and seek guidance regarding assessment and remediation requirements. 	Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead Resident Engineer Monitoring Period Construction Frequency As needed	OCEHD	INITIAL	DATE	COMMENTS
 NOI-1. Contractor will coordinate with Orange County and the cities of Santa Ana, Costa Mesa, and Newport Beach to develop construction noise control measures and procedures. Measures to reduce temporary construction noise impacts on nearby residences may include, but not be limited to, the following: Develop noise control plans in coordination with local jurisdictions. The noise control plans shall be implemented and revised as necessary and applicable. Comply with manufacturers' muffler requirements for engines on construction equipment. 	Design Construction	Contractor Metropolitan	Responsible Party(s) Contractor Environmental Lead Resident Engineer Monitoring Period (1) Construction Frequency (1) Throughout construction	Orange County, City of Santa Ana, City of Costa Mesa, City of Newport Beach			

MITIGATION MONITORING AND REPORTING							
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY		MONI	TOR NAME & DATE
 Turn off construction equipment when not in use, where applicable. Employ construction methods or equipment that will provide the lowest level of noise impact near residences. Use temporary noise barriers around continuously operating equipment or along construction boundaries to protect adjacent residences against excessive noise from construction activities, when practicable. Minimize construction activities within residential 				COORDINATION	INITIAL	DATE	COMMENTS
 areas during evening, nighttime, weekend, and holiday periods to the extent feasible. Provide advance written notification of construction activities to residences and businesses around the construction site. The notification will include a brief overview of the proposed project and its purpose as well as the proposed construction activities and schedule. It also will include the name and contact information for the Metropolitan project manager or representative responsible for resolving any noise issues. 							
TRAN-1. Metropolitan will coordinate with Orange County and the cities of Santa Ana, Costa Mesa, and Newport Beach to develop construction traffic control measures and procedures prior to the start of construction. Measures to reduce temporary construction traffic and transportation impacts on city streets may include, but not be limited to, the following:	Design Construction	Contractor Metropolitan	Responsible Party(s)	Orange County, City of Santa Ana, City of Costa Mesa, City of Newport Beach			

MITIGATION MONITORING AND REPORTING								
MITIGATION MEASURE	IMPLEMENTATION PHASE	IMPLEMENTATION RESPONSIBILITY	MONITORING RESPONSIBILITY	OUTSIDE AGENCY COORDINATION		MONITOR NAME & DATE		
					INITIAL	DATE	COMMENTS	
 Develop traffic control plans in coordination with local jurisdictions. The traffic control plans shall be implemented and revised as necessary and applicable. 			Frequency (1) Throughout construction					
Provide advance written notification of construction activities to residences and businesses around the construction site. The notification will include a brief overview of the proposed project and its purpose as well as the proposed construction activities and schedule. It also will include the name and contact information for the Metropolitan project manager or representative responsible for resolving any traffic issues.								
Identify travel routes and establish optimal arrival and departure times to minimize conflicts with residents, schools, and businesses.								
Employ provisions to detour pedestrians and bicyclists for project impacts near/on sidewalks and bike lanes.								
 Implement safety measures, such as signs, flaggers, cones, etc., as appropriate. 								
Cover all open trenches when not in use or at the end of each work day, as appropriate.								

APPENDIX A SAMPLE COMPLIANCE FORMS

Resource Category:	Biological Resources				
Mitigation Measure Number:	BIO-1				
	o occur from February 15 to August 31, a qualified				
· · · · · · · · · · · · · · · · · · ·	nests no more than 5 days prior to the start of work.				
	ctions will be required. However, if nesting activity				
· · · · · · · · · · · · · · · · · · ·	affer to be determined by the biological monitor) has ended or as otherwise directed by a qualified				
biologist.	ias chaca of as otherwise affected by a quantica				
Implementation Responsibility:					
Metropolitan Water	District				
Resid	ent Engineer				
☐ Envir	onmental Lead				
Other	·				
Consultant					
Frequency:	Monthly As Needed				
Monitoring Responsibility:					
Metropolitan Water	District				
Resid	ent Engineer				
☐ Envir	onmental Lead				
Other	·				
☐ Project Contractor _					
Consultant Reso	urce Specialist				
Frequency: Once Weekly M	onthly As Needed				
I hereby acknowledge that the implementation	on of this Mitigation Measure took place and				
that documentation showing the implementa	ation will be attached as necessary.				
Printed Name:	Date:				
Signature: Agency/Company:					
Comments (Please include any documents attached)					

Resource Category:	Biological Resources						
Mitigation Measure Number:	BIO-2						
BIO-2. If work at stations 1916+50 and 1933+65 is expected to occur from February 15 through							
August 31, a qualified biologist who is experienced with conducting surveys for California							
	ast Bell's vireo will conduct a pre-construction						
	tions no more than 5 days prior to the start of natcatcher, yellow-breasted chat, and/or least Bell's						
_	ations, then the biologist will establish appropriate						
<u> </u>	pecies. The extent of the buffers will take into						
	n in relation to the stations. No work will occur						
	nines that nesting activities have ceased and that no						
potential impacts will occur.							
Implementation Responsibility: Metropolitan Water D	nistrict						
	nt Engineer						
L Enviro	nmental Lead						
Other _							
Consultant							
Frequency:	☐ Monthly ☐ As Needed						
Monitoring Responsibility:							
Metropolitan Water D	istrict						
Reside	nt Engineer						
☐ Enviro	nmental Lead						
Other _							
☐ Project Contractor							
⊠ Consultant	Resource Specialist						
Frequency: Once Weekly Mo							
I hereby acknowledge that the implementation	n of this Mitigation Measure took place and						
that documentation showing the implementat	ion will be attached as necessary.						
Printed Name:	Date:						
1 rimea ivame.	Date.						
Signature:	Agency/Company:						
Comments (Please include any documents atta	ached)						

Resource Category:	Biological Resources						
Mitigation Measure Number: BIO-3							
BIO-3. All vehicle and equipment maintenance and refueling will occur in areas at least 0.25 mile							
away from waterways or wetlands. Spill prevention and response plans will be prepared							
	ities. All necessary equipment for containing and						
associated with San Diego Creek or Boni	tion shall be within 0.25 mile of natural vegetation						
Implementation Responsibility:	ta creek of other waterways.						
Metropolitan Water D	istrict						
Reside	nt Engineer						
☐ Enviro	nmental Lead						
Other _							
Project Contractor							
Consultant							
Frequency:	☐ Monthly ☐ As Needed						
Monitoring Responsibility:							
Metropolitan Water D	istrict						
Reside	nt Engineer						
☐ Environ	nmental Lead						
Other _							
Project Contractor							
Consultant <u>Resou</u>	arce Specialist						
	nthly \(\sum As Needed \)						
I hereby acknowledge that the implementatio							
that documentation showing the implementat	ion will be attached as necessary.						
Printed Name:	Date:						
Signature:							
Comments (Please include any documents attached)							
•	,						

Resource Category:	Cultural Resources						
Mitigation Measure Number: CULT-1							
CULT-1. If cultural resources are encountered during ground-disturbing activities, work in the							
immediate area will be halted, and an archaeologist who meets the Secretary of the							
	tandards for Archaeology (National Park Service						
· · · · · · · · · · · · · · · · · · ·	evaluate the find. If necessary, the evaluation						
· · · · · ·	plan and archaeological testing for California lity. If the discovery proves to be significant under						
	roject, additional work, such as data recovery						
- · · · · · · · · · · · · · · · · · · ·	st the data potential of the resource, thereby						
reducing any impact to a less-than-sign	± • • • • • • • • • • • • • • • • • • •						
Implementation Responsibility:							
Metropolitan Water D	istrict						
Resider	nt Engineer						
☐ Environ	nmental Lead						
Other _							
Project Contractor							
Consultant							
	☐ Monthly ☐ As Needed						
Monitoring Responsibility:							
Metropolitan Water D	istrict						
Resider	nt Engineer						
☐ Environ	nmental Lead						
Other _							
Project Contractor							
Consultant <u>Res</u>	ource Specialist, Archaeologist						
Frequency: Once Weekly Mor	nthly As Needed						
I hereby acknowledge that the implementation							
that documentation showing the implementation	ion will be attached as necessary.						
D. L. IV	ъ.						
Printed Name:	Date:						
Signature:	Agency/Company:						
Comments (Please include any documents atta	Comments (Please include any documents attached)						
	_						

Resource Category:	Cultural Resources
Mitigation Measure Number:	CULT-2
CULT-2. If human remains are found, Section 70	
Code states that no further disturbance shall occur until the county coroner has made a	
<u> </u>	pursuant to Public Resources Code Section
	in the event of an unanticipated discovery of
	proner will be notified immediately. If the human
remains are determined to be prehistoric, the coroner will notify the NAHC, which will determine and notify a MLD. The MLD will complete an inspection of the site within 48	
	<u> </u>
hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.	
Implementation Responsibility:	
Metropolitan Water D	istrict
Resider	nt Engineer
☐ Environ	nmental Lead
Other	
	
<u> </u>	
	☐ Monthly ☐ As Needed
Monitoring Responsibility:	
	istrict
Residen	nt Engineer
☐ Environmental Lead	
Other	
Project Contractor	
ConsultantResource Specialist, Archaeologist	
Frequency: Once Weekly Monthly As Needed	
I hereby acknowledge that the implementation of this Mitigation Measure took place and	
that documentation showing the implementation	on will be attached as necessary.
Printed Name:	Date:
Signature: Agency/Company:	
Comments (Please include any documents attached)	

Resource Category:		Hazardous Materials and Waste
Mitigation Measure		HZ-1
HZ-1. The coal tar enamel lining will be removed from the pipeline interior in accordance with		
applicable laws and regulations for hazardous wastes and placed in storage containers. Contractor will sample and test removed pipeline materials to determine whether there are		
		ead in these materials. Testing for PCBs, asbestos,
		_
and lead will be done through EPA Method 8082 and Soluble Threshold Limit Concentration regulatory requirements, as defined by DTSC. If PCBs are found in the		
pipeline materials, the waste will be disposed of pursuant to CFR Title 40, part 761.		
Implementation Re		
	Metropolitan Water Di	istrict
	Resider	nt Engineer
	☐ Enviror	nmental Lead
Other		
	Project Contractor	
	Consultant	
Frequency:	Once Weekly	☐ Monthly ☐ As Needed
Monitoring Respon	sibility:	
	Metropolitan Water Di	istrict
Resident Engineer		
☐ Environmental Lead		
Other		
Project Contractor		
Consultant		
Frequency: O	nce Weekly Mor	nthly As Needed
I hereby acknowledge that the implementation of this Mitigation Measure took place and		
that documentation	showing the implementati	ion will be attached as necessary.
Printed Name:		Date:
Signature:		Agency/Company:
Comments (Please i	include any documents atta	ched)
_		
		· · · · · · · · · · · · · · · · · · ·
		-

Resource Category:	;	Hazardous Materials and Waste	
Mitigation Measure Number:		HZ-2	
	± •	Air Quality Management District Rule 1403,	
Asbestos Emissions from Demolition/Renovation Activities, during all construction and demolition activities.			
Implementation Res			
Metropolitan Water District			
Resident Engineer			
Environmental Lead			
	Other _		
	Project Contractor		
	Consultant		
Frequency:	Once Weekly	☐ Monthly ☐ As Needed	
Monitoring Respon	·	to a state of	
	Metropolitan Water D		
	Resident Engineer		
	_	nmental Lead	
	Other_		
	Project Contractor		
	Consultant		
	nce Weekly Mor	•	
		n of this Mitigation Measure took place and ion will be attached as necessary.	
Printed Name:		Date:	
Signature:		Agency/Company:	
Comments (Please include any documents attached)			

Resource Category:	Hazardous Materials and Waste
υ <i>ι</i>	
Mitigation Measure Number: HZ-3. Groundwater flow is unlikely but may be A groundwater plan shall be developed praccordance with applicable rules and regule will include, but not be limited to, the following will include, but not be limited to, the following will include, but not be limited to, the following will seek the prospecializes in the handling and identified the possible hazardous materials typical recommendations for remediation. • All construction activities will be suspected in investigated for potentially hazardous. • If groundwater contamination is encounced construction contractor will notify the land the Orange County Environmental related; the construction contractor will Division if the contamination is non-peassessment and remediation requirement. • If dewatering activities are necessary, the and obtain the appropriate NPDES [Nadischarge permits.] Implementation Responsibility: Metropolitan Water Demonstruction Residen	rofessional recommendation of a consultant who cation of hazardous materials. The identification of ally involves groundwater sampling, analysis, and ended in the immediate area until the groundwater is content. Intered in any location during the project, the Regional Water Quality Control Board (RWQCB) Health Division if the contamination is petroleum I notify the Orange County Environmental Health etroleum related and seek guidance regarding ints. The construction contractor will notify the RWQCB attional Pollutant Discharge Elimination System]
Project Contractor	
Consultant	
Frequency:	Monthly As Needed
Monitoring Responsibility: Metropolitan Water D	istrict
<u> </u>	nt Engineer
<u> </u>	nmental Lead
	intental Lead
Project Contractor	
	wahler Mac Nac de d
<u> </u>	nthly As Needed
I hereby acknowledge that the implementation that documentation showing the implementation	

Date:	_
Agency/Company:	
Comments (Please include any documents attached)	
	Agency/Company:

Resource Category:	Hazardous Materials and Waste
Mitigation Measure Number:	HZ-4
	colored soil is encountered, the following measures
will be taken:	
Construction personnel will seek the professional recommendation of a consultant who	
specializes in the handling and identification of hazardous materials. The identification of	
possible hazardous materials typically involves soil sampling, analysis, and recommendations for remediation.	
 Construction will be suspended until the soil is properly characterized for hazardous 	
waste content.	
The construction contractor will notify	the Orange County Environmental Health
Division of the findings and seek guida	ance regarding assessment and remediation
requirements.	
Implementation Responsibility:	
Metropolitan Water D	istrict
Resident Engineer	
Environmental Lead	
Other	
Project Contractor	
Consultant	
Frequency:	☐ Monthly ☐ As Needed
Monitoring Responsibility:	
Metropolitan Water D	istrict
Resident Engineer	
Environmental Lead	
Other	
Project Contractor	
Consultant	
Frequency: Once Weekly Monthly As Needed	
I hereby acknowledge that the implementation of this Mitigation Measure took place and	
that documentation showing the implementat	ion will be attached as necessary.
Printed Name:	Date:
Signature:	Agency/Company:
Comments (Please include any documents attached)	

Frequency:

Once

Weekly

Dagaywaa Catagawy	Noise
Resource Category: Mitigation Measure Number:	NOI-1
	ounty and the cities of Santa Ana, Costa Mesa, and
	oise control measures and procedures. Measures to
reduce temporary construction noise impacts on nearby residences may include, but not be	
limited to, the following:	
<u>.</u>	ation with local jurisdictions. The noise control
plans shall be implemented and revised	* **
 Comply with manufacturers' muffler re equipment. 	equirements for engines on construction
 Turn off construction equipment when 	not in use, where applicable.
 Employ construction methods or equip impact near residences. 	ment that will provide the lowest level of noise
 Use temporary noise barriers around co 	ontinuously operating equipment or along
<u> </u>	cent residences against excessive noise from
construction activities, when practicable	
	residential areas during evening, nighttime,
weekend, and holiday periods to the ex	construction activities to residences and
	The notification will include a brief overview of
	well as the proposed construction activities and
	and contact information for the Metropolitan
project manager or representative respo	1
Implementation Responsibility:	<u> </u>
Metropolitan Water D	istrict
Residen	nt Engineer
☐ Environmental Lead	
Other _	
Consultant	
Frequency: Once Weekly	Monthly
Monitoring Responsibility:	
Metropolitan Water D	istrict
Residen	nt Engineer
☐ Environmental Lead	
Other _	
Project Contractor	
Consultant	

Monthly

⊠As Needed

I hereby acknowledge that the implementation of this Mitigation Measure took place and that documentation showing the implementation will be attached as necessary.	
Printed Name:	Date:
Signature:	Agency/Company:
Comments (Please include any docume	ents attached)

Resource Category:	Transportation and Traffic
Mitigation Measure Number: TRAN-1	
TRAN-1. Metropolitan will coordinate with Orange County and the cities of Santa Ana, Costa Mesa,	
1	tion traffic control measures and procedures prior
	reduce temporary construction traffic and
	ay include, but not be limited to, the following:
*	ordination with local jurisdictions. The traffic and revised as necessary and applicable.
	n of construction activities to residences and
	site. The notification will include a brief overview
	pose as well as the proposed construction activities
	e name and contact information for the
	presentative responsible for resolving any traffic
issues. Identify travel routes and establish	optimal arrival and departure times to minimize
conflicts with residents, schools, an	<u> </u>
	trians and bicyclists for project impacts near/on
sidewalks and bike lanes.	rians and oreyensis for project impacts near/on
 Implement safety measures, such a 	s signs, flaggers, cones, etc., as appropriate.
Cover all open trenches when not in	
Implementation Responsibility:	
Metropolitan Water D	istrict
Resider	nt Engineer
☐ Environmental Lead	
Other	
Project Contractor	
Consultant	
Frequency: Once Weekly	Monthly As Needed
Monitoring Responsibility:	
Metropolitan Water Di	istrict
Resider	nt Engineer
☐ Environmental Lead	
Other _	
Consultant	
Frequency: Once Weekly Mon	nthly SAs Needed
I hereby acknowledge that the implementation of this Mitigation Measure took place and	
that documentation showing the implementation	on will be attached as necessary.

Printed Name:	Date:
Signature:	Agency/Company:
Comments (Please include any documents attached)	
-	