

APPENDIX I
NOISE STUDY DATA

Construction Sequence and Construction Equipment Usage		
Phase 1	Phase Duration	LB County Standard→Work days per month=22 days
Basin 4	6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Remove existing gangways 36-41, Docks 25-32	One diesel crane	2 days---minimal use ₂
	Two gas skiffs for dock removal	3 days---minimal use
Install new gangways 36-41, Docks 25-32	One diesel crane	8 days---minimal use
	One diesel powered pile driver for new piles	20 days---full time use ₄
Install temporary long dock	One diesel crane for new docks	3 days---minimal use
	One diesel powered pile driver for new piles	4 days---partial use
Dredge to -10'	One diesel clam bucket and a floating barge with a diesel tender	10 days---full time use ₄
Complete pile removal	One diesel crane for pile removal	10 days--partial use
Seawall and rip rap repair	One gas skiff (destination usage only)	4 days---minimal use
Existing restroom to be demolished and replaced with new restroom;	One diesel backhoe, one front loader,one bobcat (gas or diesel)	3 days---full time use
Parking lot asphalt and upgrade utilities	One diesel backhoe, one front loader,one bobcat (gas or diesel)	10 days--partial use

Notes: ₁Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use
₂minimal use--equipment operating only on an as need basis
₃partial use--equipment operating periodically during the day
₄full time use--equipment operating 6-8 hrs. a day

Construction Sequence and Construction Equipment Usage		
Phase 1A	Phase Duration	LB County Standard→Work days per month=22 days
Marine Stadium	1.5 months	LB County Standard→Work Hrs per month=176hrs
Eelgrass Mitigation Site		(176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Demolition	Loader	3 days--minimal use ²
	Excavator	2 day--full time use
	Bobcat, Water truck	2 day--part time use
Reroute Utilities	Excavator, Bobcat	2 full days--minimal use
Excavation	Loader	4 days--full time use ⁴
	Water Truck	8.5 days--minimal use ²
	Excavator	8.5 days--full time use ⁴
Salvage Stone	Loader, Excavator	5 full days--part-time use
Place new Stone-riprap construction	Loader, Excavator	1.5 days--part time use
Install new sidewalk	Loader	2 day--part time use
	Bobcat	5 full days--part-time use
	Water Truck	2 days--very minimal use
Haul Truck (off-site)	Diesel Dump Truck	585 Loads

Notes: ¹Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use

²minimal use--equipment operating only on an as need basis

³partial use--equipment operating periodically during the day

⁴full time use--equipment operating 6-8 hrs. a day

Construction Sequence and Construction Equipment Usage		
Phase 2	Phase Duration	LB County Standard→Work days per month=22 days
Basin 1	6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Remove existing gangways 1-4, Docks 1 & 2	One diesel crane	2 days---minimal use ₂
	Two gas skiffs for dock removal	1 day---minimal use
Install new gangways 1-4, Docks 1 & 2	One diesel crane	2 days---minimal use
	One diesel powered pile driver for new piles	17 days---full time use ₄
Dredge to -15' Complete pile removal	One diesel clam bucket and a floating barge with a diesel tender	7 days---full time use ₄
	One diesel crane for pile removal	12 days---full time use
Trucking to upland disposal site	20 tons per truck	718 Loads
Seawall and rip rap repair	One gas skiff (destination usage only)	3 days---very minimal use
Two existing restroom to be demolished and replaced with new restroom;	One diesel backhoe, one front loader,one bobcat (gas or diesel)	6 days---full time use
Parking lot asphalt and upgrade utilities	One diesel backhoe, one front loader,one bobcat (gas or diesel)	4 days---partial use

Notes: ₁Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use
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Construction Sequence and Construction Equipment Usage		
Phase 3	Phase Duration	LB County Standard→Work days per month=22 days
Basin 1	6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Remove existing gangways 5-9, Docks 3-5	One diesel crane	2 days---minimal use ₂
	Two gas skiffs for dock removal	1 day---minimal use
Install new gangways 5-9, Docks 3-5	One diesel crane	2 full days---minimal use
	One diesel powered pile driver for new piles	23 days---partial use ₃
Dredge to -12' and -15' Dredge to contaminated spoils (approx. 25504c.y.)	One diesel clam bucket and a floating barge with a diesel tender	14 days---full time use ₄
Trucking to upland disposal site	20 tons per truck	718 Loads
Complete pile removal	One diesel crane for pile removal	19 days--full time use
Seawall and rip rap repair	One gas skiff (destination usage only)	3 days--very minimal use
Existing restroom to be demolished and replaced with new restroom;	One diesel backhoe, one front loader,one bobcat (gas or diesel)	3 full days---full time use
Parking lot asphalt and upgrade utilities	One diesel backhoe, one front loader,one bobcat (gas or diesel)	6 days--partial use

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Construction Sequence and Construction Equipment Usage		
Phase 4	Phase Duration	LB County Standard→Work days per month=22 days
Basin 2	6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Remove existing gangways 10-13, Docks 6-8	One diesel crane	2 days—minimal use ₂
	Two gas skiffs for dock removal	1 day--minimal use
Install new gangways 10-13, Docks 6-8	One diesel crane	2 days---minimal use
	One diesel powered pile driver for new piles	17 days---full time use ₄
Dredge to -10' Complete pile removal	One diesel clam bucket and a floating barge with a diesel tender	5 days---full time use ₄
	One diesel crane for pile removal	19 days--full time use
Seawall and rip rap repair	One gas skiff (destination usage only)	3 days--very minimal use
Existing restroom to be demolished and replaced with new restroom;	One diesel backhoe, one front loader,one bobcat (gas or diesel)	3 days---full time use
Parking lot asphalt and upgrade utilities	One diesel backhoe, one front loader,one bobcat (gas or diesel)	6 days--partial use

Notes: ₁Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use

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Construction Sequence and Construction Equipment Usage		
Phase 5	Phase Duration	LB County Standard→Work days per month=22 days
Basin 2	6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Remove existing gangways 18-22, Docks 13 & 14	One diesel crane	2 days---minimal use ₂
	Two gas skiffs for dock removal	1 day---minimal use
Install new gangways 18-22, Docks 13 & 14	One diesel crane	2 days---minimal use
	One diesel powered pile driver for new piles	7 days---full time use ₄
Dredge to -10'	One diesel clam bucket and a floating barge with a diesel tender	6.5 days—full time use ₄
Complete pile removal	One diesel crane for pile removal	6.5 days--full time use
Seawall and rip rap repair	One gas skiff (destination usage only)	3 days—very minimal use

Notes: ₁Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use

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Construction Sequence and Construction Equipment Usage		
Phase 6	Phase Duration	LB County Standard→Work days per month=22 days
Basin 2	6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment	Potential running times
Remove existing gangways 16-17, Docks 11 & 12	One diesel crane	2 days--minimal use ₂
	Two gas skiffs for dock removal	1 day--minimal use
Install new gangways 16-17 Docks 11 & 12	One diesel crane	2 days--minimal use
	One diesel powered pile driver for new piles	3.5 days--full time use ₄
Dredge to -10'	One diesel clam bucket and a floating barge with a diesel tender	3 days--full time use ₄
Complete pile removal	One diesel crane for pile removal	4 days--full time use
Seawall and rip rap repair	One gas skiff (destination usage only)	3 days--very minimal use
Existing restroom to be demolished and replaced with new restroom;	One diesel backhoe, one front loader, one bobcat (gas or diesel)	3 full days--full time use
Parking lot asphalt and upgrade utilities	One diesel backhoe, one front loader, one bobcat (gas or diesel)	6 days--partial use

Notes: ₁Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use
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Construction Sequence and Construction Equipment Usage			
Phase 7		Phase Duration	LB County Standard→Work days per month=22 days
Basin 2		6 months	LB County Standard→Work Hrs per month=176hrs (176hrs/month X 6 months)=1056hrs/Phase
Activity	Construction equipment		Potential running times
Remove existing gangways 14-15, Docks 9 & 10	One diesel crane		2 days---minimal use ₂
	Two gas skiffs for dock removal		1 day---minimal use
Install new gangways 14-15, Docks 9 & 10	One diesel crane		2 days---minimal use
	One diesel powered pile driver for new piles		6 days---full time use ₄
Dredge to -10'	One diesel clam bucket and a floating barge with a diesel tender		3.5 days---full time use ₄
Complete pile removal	One diesel crane for pile removal		4.5 days--full time use
Seawall and rip rap repair	One gas skiff (destination usage only)		3 days--very minimal use

Notes: ₁Potential running times- equipment operating at varying RPMs not to be assumed at high to full RPMs during use

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₃partial use--equipment operating periodically during the day

₄full time use--equipment operating 6-8 hrs. a day