

# CITY ENGINEER'S ESTIMATE

City of Los Angeles - Department of Public Works - Bureau of Engineering  
 Emergency Geotechnical/Structural Construction Services Project  
 Killarney Avenue Bulkhead  
 W.O. No. E1907364



DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		JOHN S. MEEK COMPANY, INC.		PPC CONSTRUCTION, INC.		CLARKE CONTRACTING CORPORATION	
ITEM	DESCRIPTION	UNIT	QTY	Unit Price	ITEM TOTAL	Unit Price	ITEM TOTAL	Unit Price	ITEM TOTAL	Unit Price	ITEM TOTAL
1	Mobilization	LS			\$ 3,161.00		\$ 3,000.00		\$ 15,500.00		\$ 3,161.00
2	Allowance for utility & service line relocation or permanent support	LS			\$ 20,000.00		\$ 20,000.00		\$ 20,000.00		\$ 20,000.00
3	Traffic Control	LS			\$ 5,000.00		\$ 5,000.00		\$ 4,200.00		\$ 2,500.00
4	Allowance for Differing Site Conditions, per General Requirements Sections 01212 & 01253	LS			\$ 6,364.00		\$ 6,364.00		\$ 6,364.00		\$ 6,364.00
5	Clearing and grubbing, prior to grading slope	LS			\$ 850.00		\$ 7,850.00		\$ 2,200.00		\$ 4,000.00
6	Drill 2 holes ea. 36" diameter x 37 feet deep, for Soldier Beams	LF	74	\$ 175.00	\$ 12,950.00	\$ 100.00	\$ 7,400.00	\$ 200.00	\$ 14,800.00	\$ 175.00	\$ 12,950.00
7	Supply two 37 foot tall Soldier Beams, 21Wx111	LF	74	\$ 325.00	\$ 24,050.00	\$ 168.50	\$ 12,469.00	\$ 114.00	\$ 8,436.00	\$ 208.00	\$ 15,392.00
8	Instal two 37 foot tall Soldier Beams, 21Wx111	LF	74	\$ 125.00	\$ 9,250.00	\$ 32.00	\$ 2,368.00	\$ 38.00	\$ 2,812.00	\$ 98.00	\$ 7,252.00
9	Supply, pump and place concrete for embedded portion of Soldier Beams	CY	13	\$ 250.00	\$ 3,250.00	\$ 476.00	\$ 6,188.00	\$ 352.00	\$ 4,576.00	\$ 425.00	\$ 5,525.00
10	Supply, pump and place slurry for cantilevered portion of Soldier Piles	CY	2	\$ 175.00	\$ 350.00	\$ 164.00	\$ 328.00	\$ 500.00	\$ 1,000.00	\$ 200.00	\$ 400.00
11	Excavation for lagging and backdrain, including sawcut and removal of Asphalt Concrete (AC), haul-away and dispose	CY	17	\$ 85.00	\$ 1,445.00	\$ 248.00	\$ 4,216.00	\$ 259.00	\$ 4,403.00	\$ 250.00	\$ 4,250.00
12	Supply 8" x 1'-6" x 8 feet long pre-cast lagging panels	EA	12	\$ 200.00	\$ 2,400.00	\$ 445.00	\$ 5,340.00	\$ 540.00	\$ 6,480.00	\$ 475.00	\$ 5,700.00
13	Install 8" x 1'-6" x 8 feet long precast lagging panels	EA	12	\$ 150.00	\$ 1,800.00	\$ 332.00	\$ 3,984.00	\$ 384.00	\$ 4,608.00	\$ 246.00	\$ 2,952.00
14	Place 24" wide drain consisting of 3/4" rock wrapped in geofabric filter, at backside of lagging, geofabric and hydroauger array, prior to backfilling	CY	5	\$ 100.00	\$ 500.00	\$ 299.00	\$ 1,495.00	\$ 280.00	\$ 1,400.00	\$ 790.00	\$ 3,950.00
15	Construct fill in lifts, certified 90% minimum relative compaction	CY	13	\$ 110.00	\$ 1,430.00	\$ 230.00	\$ 2,990.00	\$ 150.00	\$ 1,950.00	\$ 195.00	\$ 2,535.00
16	Erosion control groundcover hydro-mulch with native seed mix per building code	SF	340	\$ 4.00	\$ 1,360.00	\$ 3.60	\$ 1,224.00	\$ 4.00	\$ 1,360.00	\$ 4.00	\$ 1,360.00
17	Supply and install metal-beam vehicular guardrail per Standard Plan S-462, Type 2	LF	20	\$ 120.00	\$ 2,400.00	\$ 266.00	\$ 5,320.00	\$ 230.00	\$ 4,600.00	\$ 240.00	\$ 4,800.00
18	Construct AC pavement 6" - 8" thick with 12" Crushed Miscellaneous Base (CMB)	SF	80	\$ 15.00	\$ 1,200.00	\$ 56.00	\$ 4,480.00	\$ 32.00	\$ 2,560.00	\$ 90.00	\$ 7,200.00
19	Construct AC Berm (curb) at edge of pavement	LF	86	\$ 40.00	\$ 3,440.00	\$ 25.00	\$ 2,150.00	\$ 30.00	\$ 2,580.00	\$ 57.00	\$ 4,902.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$101,200.00</b>	<b>\$102,166.00</b>		<b>\$109,829.00</b>		<b>\$115,193.00</b>	
						<b>{ High }</b>	<b>0.95%</b>	<b>{ High }</b>	<b>8.53%</b>	<b>{ High }</b>	<b>13.83%</b>

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2	Allowance for utility & service line relocation or permanent support	LS			\$ 20,000.00		\$ 20,000.00		\$ 20,000.00
3	Traffic Control	LS			\$ 5,000.00		\$ 6,214.00		\$ 1,800.00
4	Allowance for Differing Site Conditions, per General Requirements Sections 01212 & 01253	LS			\$ 6,364.00		\$ 6,364.00		\$ 6,364.00
5	Clearing and grubbing, prior to grading slope	LS			\$ 850.00		\$ 6,498.00		\$ 4,500.00
6	Drill 2 holes ea. 36" diameter x 37 feet deep, for Soldier Beams	LF	74	\$ 175.00	\$ 12,950.00	\$ 513.00	\$ 37,962.00	\$ 207.25	\$ 15,336.50
7	Supply two 37 foot tall Soldier Beams, 21Wx111	LF	74	\$ 325.00	\$ 24,050.00	\$ 151.25	\$ 11,192.50	\$ 224.15	\$ 16,587.10
8	Instal two 37 foot tall Soldier Beams, 21Wx111	LF	74	\$ 125.00	\$ 9,250.00	\$ 114.50	\$ 8,473.00	\$ 64.15	\$ 4,747.10
9	Supply, pump and place concrete for embedded portion of Soldier Beams	CY	13	\$ 250.00	\$ 3,250.00	\$ 383.25	\$ 4,982.25	\$ 277.55	\$ 3,608.15
10	Supply, pump and place slurry for cantilevered portion of Soldier Piles	CY	2	\$ 175.00	\$ 350.00	\$ 776.00	\$ 1,552.00	\$ 1,297.00	\$ 2,594.00
11	Excavation for lagging and backdrain, including sawcut and removal of Asphalt Concrete (AC), haul-away and dispose	CY	17	\$ 85.00	\$ 1,445.00	\$ 318.75	\$ 5,418.75	\$ 541.00	\$ 9,197.00
12	Supply 8" x 1'-6" x 8 feet long pre-cast lagging panels	EA	12	\$ 200.00	\$ 2,400.00	\$ 843.00	\$ 10,116.00	\$ 882.10	\$ 10,585.20
13	Install 8" x 1'-6" x 8 feet long precast lagging panels	EA	12	\$ 150.00	\$ 1,800.00	\$ 297.75	\$ 3,573.00	\$ 381.30	\$ 4,575.60
14	Place 24" wide drain consisting of 3/4" rock wrapped in geofabric filter, at backside of lagging, geofabric and hydroauger array, prior to backfilling	CY	5	\$ 100.00	\$ 500.00	\$ 453.50	\$ 2,267.50	\$ 2,445.00	\$ 12,225.00
15	Construct fill in lifts, certified 90% minimum relative compaction	CY	13	\$ 110.00	\$ 1,430.00	\$ 358.25	\$ 4,657.25	\$ 1,152.00	\$ 14,976.00
16	Erosion control groundcover hydro-mulch with native seed mix per building code	SF	340	\$ 4.00	\$ 1,360.00	\$ 2.50	\$ 850.00	\$ 9.20	\$ 3,128.00
17	Supply and install metal-beam vehicular guardrail per Standard Plan S-462, Type 2	LF	20	\$ 120.00	\$ 2,400.00	\$ 224.25	\$ 4,485.00	\$ 476.32	\$ 9,526.40
18	Construct AC pavement 6" - 8" thick with 12" Crushed Miscellaneous Base (CMB)	SF	80	\$ 15.00	\$ 1,200.00	\$ 75.25	\$ 6,020.00	\$ 126.75	\$ 10,140.00
19	Construct AC Berm (curb) at edge of pavement	LF	86	\$ 40.00	\$ 3,440.00	\$ 52.00	\$ 4,472.00	\$ 108.20	\$ 9,305.20
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$101,200.00</b>	<b>\$148,258.25</b>		<b>\$179,405.25</b>	
						<b>{ High }</b>	<b>46.50%</b>	<b>{ High }</b>	<b>77.28%</b>