## 01 32 Construction Progress Documentation

01 32 33 - Photographic Documentation

01.39	2 33.50 Photographs		Daily	Labor-			2022	Bare Costs		Total
		Crew	Output	Hours	Unit	Material	Labor	Equipment	Total	Incl O&P
0550	10 shots, digital images, 1 print				Set	600			600	660
0600	For each additional print from fly-over					315			315	345
0700	For full color prints, add					40%			013	JAJ
0750	Add for traffic control area				Ea.	365			365	400
0900	For over 30 miles from airport, add per				Mile	7.30			7.30	8.05
1500	Time lapse equipment, camera and projector, buy				Ea.	2,625			2,625	2,900
1550	Rent per month				"	1,350			1,350	1,475
1700	Cameraman and processing, black & white				Day	1,300			1,300	1,450
1720	Color				"	1,550			1,550	1,700

## 01 41 Regulatory Requirements

01 41 26 - Permit Requirements

01 41 26.50 Permits

0010	PERMITS		 A	
0020	Rule of thumb, most cities, minimum	Job :	.50%	.50%
0100	Maximum	<i>n</i> :	. 2%	2%

## 01 45 Quality Control

01 45 23 - Testing and Inspecting Services

01 45 23.50 Testing

0010	TESTING and Inspecting Services											
0012	Testing, for concrete or steel building, minimum					Week					4,585	5,045
0025	Maximum					0					6,005	6,605
0200	Asphalt testing, compressive strength Marshall stability, set of 3					Ea.	1				545	600
0250	Extraction, individual tests on sample					I	1 :	T age	-	1	236	260
0300	Penetration	1				1					91	100
0350	Mix design, 5 specimens						1			To a constant of the constant	182	200
0360	Additional specimen	-								-	36	40
0400	Specific gravity										53	58
0420	Swell test										- 64	70
0450	Water effect and cohesion, set of 6										182	200
0470	Water effect and plastic flow										64	70
0600	Concrete testing, aggregates, abrasion, ASTM C 131										205	225
0650	Absorption, ASTM C 127				-						77	85
0800	Petrographic analysis, ASTM C 295										910	1,000
0900	Specific gravity, ASTM C 127										77	85
1000	Sieve analysis, washed, ASTM C 136										130	140
1050	Unwashed										130	140
1200	Sulfate soundness										182	200
1300	. Weight per cubic foot										80	88
1500	Cement, physical tests, ASTM C 150										320	350
1600	. Chemical tests, ASTM C 150										245	270
1800	Compressive test, cylinder, delivered to lab, ASTM C 39							00.5			36	40
1900	Picked up by lab, 30 minute round the load to chove	1 Sk		6 .50	)()			29.5	0		29.50	44
1950	1 hour round trip, add to above		1	8 1				59			59	88.50
2000	2 hour round trip, add to above	· v		4 2				118			118	177
2200	Compressive strength, cores (not incl. drilling), ASTM C 42	200			,					0.50	95	105
2250	Core drilling, 4" diameter (plus technician), up to 6" thick	B-89	A I	4 , 1,1	43	*	.89	59.5	U	8.50	68.89	100
2260	Technician for core drilling					Hr.					50	55
												1.5