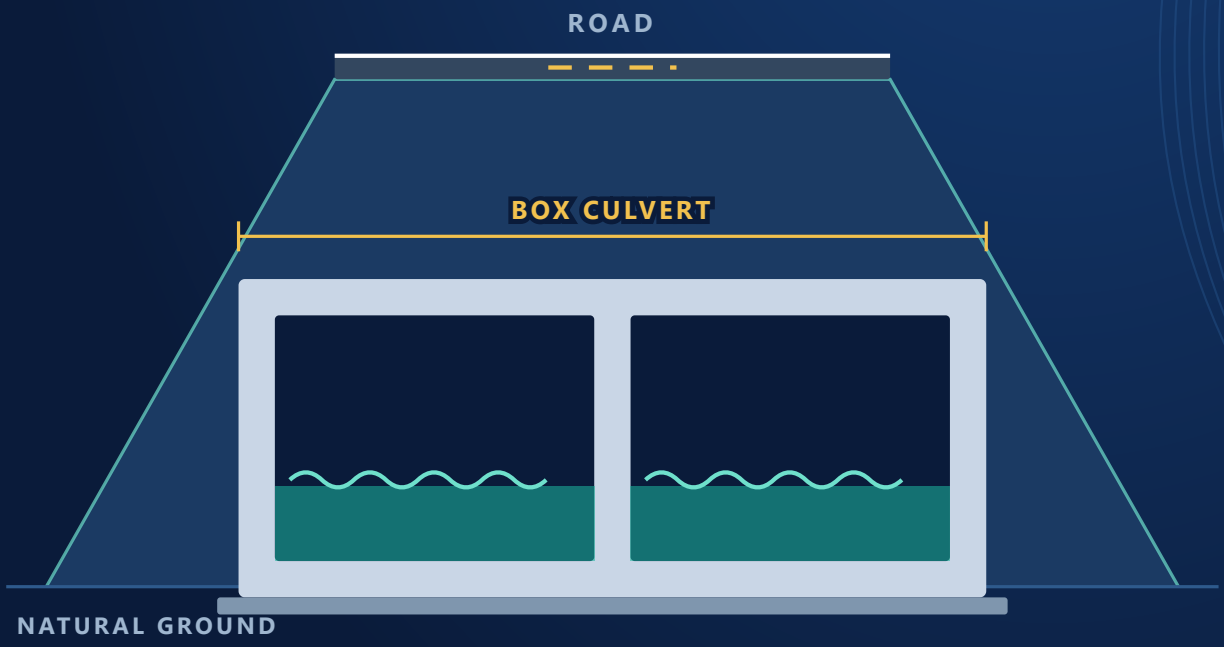
Culvert Quantities & Cost (BOQ)

Quantities and cost of every box culvert on the road, culvert by culvert.



Sample Project

Client: Urban City

PREPARED & SUBMITTED BY

SP Consultant

in Joint Venture with USF Consultants
info@spconsultant.example
shahidpervaiz.net

ISSUE

November 2026

Culvert Quantities & Cost (BOQ)

Quantity and cost report · Generated 11/5/2026 3:18:21 PM

Project

Project	Sample Project
Prepared by	SP Consultant
Date	11/5/2026

Unit Rates

Item	Rate
Excavation / cu m	PKR 364.53
Conc. (UG) / cu m	PKR 11,449.43
Conc. (OG) / cu m	PKR 12,369.68
Conc. (Elev.) / cu m	PKR 12,824.65
Lean concrete / cu m	PKR 6,317.9
Reinf. steel / ton	PKR 118,249.92
Loose riprap C/cu m	PKR 2,411.38
Mortared riprap Class B / cu m	PKR 5,370.76
Filter under MRR / cu m	PKR 2,075.52
Contingency %	5.0%

Schedule of Culverts (266)

Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
0+480	1	2.00	1.50	0	0.93	20.42	79.999	8.570	2,553,357	2,681,025
0+741	1	2.00	1.50	0	1.15	21.30	82.443	8.839	2,644,772	2,777,011
1+018	1	2.00	1.50	0	0.75	19.70	77.999	8.350	2,478,575	2,602,504
1+250	1	2.00	1.50	0	1.06	20.94	81.443	8.729	2,607,376	2,737,745
1+518	1	2.00	1.50	0	1.01	20.74	80.887	8.668	2,586,605	2,715,935
1+900	1	2.00	2.00	0	0.69	19.46	92.108	9.818	2,898,339	3,043,256
1+972	1	2.00	1.50	0	0.97	20.58	80.443	8.619	2,569,983	2,698,483
2+263	1	2.00	1.50	0	1.01	20.74	80.887	8.668	2,586,605	2,715,935
2+485	2	3.00	2.00	0	0.90	20.30	218.158	23.513	6,298,219	6,613,129
2+766	1	2.00	1.50	0	0.94	20.46	80.110	8.582	2,557,484	2,685,358
3+140	6	4.00	2.00	0	1.21	21.54	794.738	86.230	21,765,239	22,853,501
3+420	3	4.00	2.00	0	1.02	20.78	412.123	44.608	11,491,459	12,066,032
3+700	1	2.00	1.50	0	1.11	21.14	81.998	8.790	2,628,126	2,759,532
4+150	10	3.00	2.00	0	1.05	20.90	921.630	99.962	25,182,090	26,441,195
4+220	4	4.00	2.00	0	0.88	20.22	519.856	56.303	14,344,148	15,061,355
4+560	4	3.00	1.50	0	1.47	22.58	386.380	41.933	10,876,321	11,420,137

Sample report: illustrative data, not for design use

Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
4+852	1	2.00	1.50	0	1.65	23.30	87.998	9.450	2,852,483	2,995,107
5+080	1	2.00	1.50	0	1.17	21.38	82.665	8.863	2,653,023	2,785,674
5+332	1	2.00	1.50	0	1.16	21.34	82.554	8.851	2,648,895	2,781,339
5+560	4	3.00	2.00	0	0.93	20.42	390.321	42.218	10,915,051	11,460,804
5+680	1	2.00	2.00	30	2.16	29.26	122.512	13.162	3,886,533	4,080,860
5+870	2	2.00	2.00	0	0.92	20.38	148.701	15.965	4,450,051	4,672,554
6+400	1	2.00	2.00	0	0.70	19.50	92.231	9.831	2,902,832	3,047,973
6+787	1	2.00	1.50	0	2.08	25.02	92.775	9.976	3,031,173	3,182,732
7+018	1	2.00	1.50	0	0.61	19.14	76.443	8.179	2,420,413	2,541,434
7+261	1	2.00	1.50	0	1.04	20.86	81.221	8.705	2,599,123	2,729,079
7+518	1	2.00	1.50	0	1.04	20.86	81.221	8.705	2,599,123	2,729,079
7+755	1	2.00	1.50	0	0.98	20.62	80.554	8.631	2,574,107	2,702,812
7+997	1	2.00	1.50	0	0.97	20.58	80.443	8.619	2,569,983	2,698,483
8+198	1	2.00	1.50	0	1.73	23.62	88.887	9.548	2,885,744	3,030,031
8+468	1	2.00	1.50	0	1.67	23.38	88.219	9.475	2,860,841	3,003,883
8+743	1	2.00	1.50	0	1.63	23.22	87.776	9.426	2,844,224	2,986,435
8+990	3	2.00	2.00	0	0.91	20.34	202.135	21.765	5,886,869	6,181,213
9+267	1	2.00	1.50	0	2.20	25.50	94.108	10.122	3,080,950	3,234,998
9+475	1	2.00	2.00	0	0.94	20.46	95.210	10.159	3,012,757	3,163,395
9+787	1	2.00	1.50	0	1.81	23.94	89.775	9.646	2,919,000	3,064,949
10+014	1	2.00	1.50	0	1.18	21.42	82.776	8.876	2,657,265	2,790,128
10+195	1	2.00	2.00	0	0.06	16.94	84.289	8.958	2,609,894	2,740,389
10+520	1	2.00	1.50	0	0.81	19.94	78.665	8.424	2,503,571	2,628,750
10+772	1	2.00	1.50	0	1.30	21.90	84.109	9.022	2,707,041	2,842,393
11+018	1	2.00	1.50	0	0.97	20.58	80.443	8.619	2,569,983	2,698,483
11+267	1	2.00	1.50	0	1.60	23.10	87.442	9.389	2,831,719	2,973,305
11+522	1	2.00	1.50	0	1.56	22.94	86.998	9.340	2,815,084	2,955,839
11+850	1	2.00	1.50	0	1.00	20.70	80.776	8.656	2,582,483	2,711,607
12+080	1	2.00	1.50	0	1.09	21.06	81.776	8.766	2,619,875	2,750,869
12+296	1	2.00	1.50	0	0.93	20.42	79.999	8.570	2,553,357	2,681,025
12+488	1	2.00	1.50	0	1.42	22.38	85.442	9.169	2,756,933	2,894,779
12+813	2	2.00	2.00	0	1.06	20.94	151.692	16.294	4,549,443	4,776,915
13+097	1	2.00	1.50	0	1.60	23.10	87.442	9.389	2,831,719	2,973,305
13+277	1	2.00	1.50	0	1.31	21.94	84.220	9.035	2,711,283	2,846,848
13+480	3	2.00	2.00	0	0.95	20.50	203.349	21.899	5,925,433	6,221,704
13+783	1	2.00	1.50	0	1.80	23.90	89.664	9.633	2,914,759	3,060,497
14+074	1	2.00	1.50	0	0.99	20.66	80.665	8.644	2,578,354	2,707,272
14+323	1	2.00	1.50	0	1.20	21.50	82.998	8.900	2,665,522	2,798,798
14+640	3	2.00	2.00	0	1.08	21.02	207.294	22.332	6,050,475	6,352,999
14+866	1	2.00	1.50	0	1.51	22.74	86.442	9.279	2,794,323	2,934,039

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Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
15+095	2	2.00	2.00	0	0.96	20.54	149.555	16.059	4,478,441	4,702,364
15+242	1	2.00	1.50	0	1.54	22.86	86.776	9.316	2,806,833	2,947,175
15+518	1	2.00	1.50	0	1.93	24.42	91.109	9.792	2,968,783	3,117,223
15+840	3	3.00	2.00	0	1.10	21.10	312.844	33.812	8,866,812	9,310,153
16+095	1	2.00	1.50	0	1.98	24.62	91.664	9.853	2,989,535	3,139,012
16+362	1	2.00	1.50	0	1.47	22.58	85.997	9.230	2,777,688	2,916,573
16+675	1	2.00	1.50	0	0.97	20.58	80.443	8.619	2,569,983	2,698,483
16+940	6	2.00	2.00	0	0.98	20.62	367.088	39.676	10,338,988	10,855,937
17+150	3	2.00	2.00	30	1.59	26.62	249.770	27.005	7,243,218	7,605,379
17+412	1	2.00	1.50	0	0.91	20.34	79.776	8.546	2,545,086	2,672,341
17+743	1	2.00	1.50	0	1.41	22.34	85.331	9.157	2,752,802	2,890,442
18+040	1	2.00	1.50	0	0.43	18.42	74.444	7.959	2,345,640	2,462,922
18+320	20	3.00	2.00	0	1.13	21.22	1,818.128	197.411	49,253,863	51,716,557
18+880	1	2.00	1.50	0	1.20	21.50	82.998	8.900	2,665,522	2,798,798
19+200	1	2.00	1.50	0	1.40	22.30	85.220	9.145	2,748,680	2,886,114
19+434	1	2.00	1.50	0	1.17	21.38	82.665	8.863	2,653,023	2,785,674
19+758	1	2.00	1.50	0	1.57	22.98	87.109	9.352	2,819,220	2,960,181
19+987	4	2.00	2.00	0	0.58	19.02	242.813	26.162	6,929,902	7,276,397
20+277	1	2.00	1.50	0	0.71	19.54	77.554	8.301	2,461,934	2,585,031
20+515	1	2.00	1.50	0	0.47	18.58	74.887	8.008	2,362,255	2,480,367
20+749	1	2.00	1.50	0	1.37	22.18	84.887	9.108	2,736,181	2,872,990
21+463	1	2.00	1.50	0	3.50	30.70	108.551	11.711	3,621,056	3,802,109
21+833	1	2.00	1.50	0	1.45	22.50	85.776	9.206	2,769,444	2,907,916
22+060	1	2.00	1.50	0	1.84	24.06	90.109	9.682	2,931,394	3,077,963
22+283	1	2.00	1.50	0	1.17	21.38	82.665	8.863	2,653,023	2,785,674
22+536	1	2.00	1.50	0	1.96	24.54	91.442	9.829	2,981,282	3,130,346
22+766	1	2.00	1.50	0	1.10	21.10	81.887	8.778	2,624,002	2,755,202
23+050	4	3.00	2.00	0	1.35	22.10	416.394	45.086	11,688,108	12,272,513
23+280	1	2.00	1.50	0	0.99	20.66	80.665	8.644	2,578,354	2,707,272
23+535	1	2.00	1.50	0	1.33	22.02	84.443	9.059	2,719,547	2,855,524
23+805	3	3.00	1.50	0	2.15	25.30	329.655	35.792	9,446,930	9,919,277
24+014	1	2.00	1.50	0	1.18	21.42	82.776	8.876	2,657,265	2,790,128
24+267	1	2.00	1.50	0	1.90	24.30	90.775	9.756	2,956,396	3,104,216
24+361	2	2.00	2.00	0	1.33	22.02	157.464	16.929	4,741,224	4,978,285
24+680	2	2.00	2.00	0	0.92	20.38	148.701	15.965	4,450,051	4,672,554
24+870	1	2.00	1.50	0	1.09	21.06	81.776	8.766	2,619,875	2,750,869
25+035	1	2.00	1.50	0	1.09	21.06	81.776	8.766	2,619,875	2,750,869
25+200	3	2.00	2.00	0	0.67	19.38	194.854	20.964	5,655,855	5,938,647
25+560	2	2.00	2.00	0	0.88	20.22	147.845	15.871	4,421,643	4,642,726
25+883	1	2.00	1.50	0	1.59	23.06	87.331	9.377	2,827,591	2,968,970

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Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
26+095	1	2.00	2.00	0	1.12	21.18	97.443	10.405	3,095,194	3,249,953
26+280	1	2.00	1.50	0	1.09	21.06	81.776	8.766	2,619,875	2,750,869
26+715	1	2.00	1.50	0	0.93	20.42	79.999	8.570	2,553,357	2,681,025
26+910	1	2.00	2.00	0	0.89	20.26	94.590	10.091	2,989,902	3,139,398
27+038	1	2.00	1.50	0	1.03	20.82	81.110	8.692	2,594,876	2,724,620
27+350	2	4.00	2.00	0	1.13	21.22	297.453	32.149	8,442,879	8,865,023
27+540	1	2.00	1.50	0	1.52	22.78	86.553	9.291	2,798,452	2,938,374
27+668	2	3.00	2.00	0	0.78	19.82	214.165	23.074	6,173,784	6,482,473
27+820	2	3.00	2.00	30	0.96	23.71	246.530	26.634	7,044,121	7,396,327
28+122	1	2.00	1.50	0	0.99	20.66	80.665	8.644	2,578,354	2,707,272
28+230	1	2.00	1.50	0	1.86	24.14	90.331	9.707	2,939,763	3,086,751
28+480	2	3.00	2.00	30	0.97	23.76	246.946	26.680	7,056,679	7,409,512
28+858	1	2.00	1.50	0	0.77	19.78	78.221	8.375	2,486,944	2,611,291
29+170	9	4.00	2.00	0	2.27	25.78	1,360.756	148.027	37,223,945	39,085,143
29+450	1	2.00	1.50	0	0.97	20.58	80.443	8.619	2,569,983	2,698,483
29+794	1	2.00	1.50	0	1.79	23.86	89.553	9.621	2,910,630	3,056,162
30+076	1	2.00	1.50	0	1.03	20.82	81.110	8.692	2,594,876	2,724,620
30+284	1	2.00	1.50	0	1.57	22.98	87.109	9.352	2,819,220	2,960,181
30+483	1	2.00	1.50	0	0.87	20.18	79.331	8.497	2,528,452	2,654,874
30+766	2	2.00	1.50	0	0.99	20.66	130.395	14.049	3,923,913	4,120,109
30+975	1	2.00	1.50	0	1.30	21.90	84.109	9.022	2,707,041	2,842,393
31+318	1	2.00	1.50	0	1.01	20.74	80.887	8.668	2,586,605	2,715,935
31+460	4	3.00	2.00	30	1.64	26.85	490.114	53.195	13,667,365	14,350,734
31+800	3	3.00	2.00	0	1.53	22.82	333.347	36.068	9,485,663	9,959,946
32+100	4	3.00	2.00	30	0.88	23.34	435.639	47.203	12,079,266	12,683,230
32+518	1	2.00	1.50	0	1.11	21.14	81.998	8.790	2,628,126	2,759,532
32+770	1	2.00	1.50	0	1.43	22.42	85.554	9.181	2,761,066	2,899,119
33+050	8	3.00	2.00	0	0.89	20.26	727.861	78.881	19,948,484	20,945,908
33+168	5	3.00	2.00	0	1.27	21.78	501.906	54.376	13,970,299	14,668,814
33+400	3	2.00	2.00	0	0.95	20.50	203.349	21.899	5,925,433	6,221,704
33+570	1	2.00	1.50	0	1.55	22.90	86.887	9.328	2,810,964	2,951,512
33+980	1	2.00	2.00	0	0.99	20.66	95.830	10.227	3,035,614	3,187,394
34+122	1	2.00	2.00	0	1.92	24.38	107.371	11.497	3,461,457	3,634,530
34+210	1	2.00	1.50	0	1.79	23.86	89.553	9.621	2,910,630	3,056,162
34+480	2	2.00	2.00	0	1.18	21.42	154.257	16.576	4,634,648	4,866,380
34+842	4	3.00	1.50	0	1.25	21.70	373.603	40.528	10,495,852	11,020,645
34+900	2	2.00	2.00	30	0.88	23.34	164.518	17.705	4,854,616	5,097,347
35+175	1	2.00	1.50	0	1.39	22.26	97.102	10.441	3,060,009	3,213,009
35+452	1	2.00	1.50	0	1.18	21.42	82.776	8.876	2,657,265	2,790,128
35+722	1	2.00	1.50	0	1.35	22.10	84.665	9.083	2,727,811	2,864,202

Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
35+935	1	2.00	1.50	0	1.24	21.66	83.443	8.949	2,682,162	2,816,270
36+270	1	2.00	1.50	0	1.06	20.94	81.443	8.729	2,607,376	2,737,745
36+620	1	2.00	2.00	30	1.20	24.82	108.736	11.647	3,398,771	3,568,710
36+900	1	2.00	1.50	0	1.15	21.30	82.443	8.839	2,644,772	2,777,011
37+184	1	2.00	1.50	0	1.37	22.18	84.887	9.108	2,736,181	2,872,990
37+369	1	2.00	1.50	0	1.90	24.30	90.775	9.756	2,956,396	3,104,216
37+592	1	2.00	1.50	0	1.08	21.02	81.665	8.754	2,615,744	2,746,532
37+882	1	2.00	1.50	0	1.37	22.18	84.887	9.108	2,736,181	2,872,990
38+122	1	2.00	1.50	0	1.70	23.50	88.553	9.511	2,873,238	3,016,900
38+300	1	2.00	2.00	30	0.92	23.53	104.734	11.207	3,256,944	3,419,791
38+515	1	2.00	1.50	0	1.77	23.78	89.331	9.597	2,902,372	3,047,491
38+761	1	2.00	1.50	0	1.82	23.98	89.886	9.658	2,923,130	3,069,286
39+120	1	2.00	2.00	30	1.55	26.44	113.762	12.200	3,576,731	3,755,568
39+267	1	2.00	1.50	0	1.24	21.66	83.443	8.949	2,682,162	2,816,270
39+510	1	2.00	2.00	0	0.90	20.30	94.713	10.104	2,994,395	3,144,115
39+755	1	2.00	2.00	30	0.98	23.81	105.603	11.302	3,287,569	3,451,948
40+040	20	3.00	2.00	0	1.00	20.70	1,780.106	193.229	48,179,156	50,588,114
40+315	1	2.00	2.00	0	0.97	20.58	95.582	10.200	3,026,498	3,177,822
40+540	1	2.00	2.00	0	1.41	22.34	101.042	10.801	3,227,981	3,389,380
40+725	1	2.00	1.50	0	2.15	25.30	93.553	10.061	3,060,200	3,213,210
41+006	1	2.00	1.50	0	1.83	24.02	89.998	9.670	2,927,263	3,073,626
41+240	1	2.00	2.00	0	0.96	20.54	95.458	10.186	3,021,879	3,172,973
41+460	10	2.00	2.00	0	0.83	20.02	570.231	61.711	15,776,126	16,564,933
42+007	1	2.00	1.50	0	0.96	20.54	80.332	8.607	2,565,855	2,694,148
42+406	1	2.00	1.50	0	0.78	19.82	78.332	8.387	2,491,068	2,615,621
42+840	1	2.00	1.50	0	3.36	30.14	106.996	11.540	3,562,907	3,741,053
43+010	1	2.00	2.00	30	1.25	25.05	109.450	11.725	3,424,022	3,595,223
43+068	1	2.00	1.50	0	1.51	22.74	86.442	9.279	2,794,323	2,934,039
43+190	1	2.00	2.00	0	1.67	23.38	104.269	11.155	3,346,919	3,514,265
43+340	1	2.00	1.50	0	2.25	25.70	94.664	10.183	3,101,720	3,256,806
43+450	1	2.00	2.00	0	4.35	34.10	137.528	14.814	4,573,997	4,802,697
43+723	1	2.00	1.50	0	1.13	21.22	82.221	8.815	2,636,507	2,768,333
43+900	1	2.00	2.00	0	0.99	20.66	95.830	10.227	3,035,614	3,187,394
44+150	5	3.00	2.00	0	1.02	20.78	482.786	52.273	13,409,746	14,080,233
44+380	1	2.00	1.50	0	1.29	21.86	83.998	9.010	2,702,914	2,838,060
44+642	1	2.00	1.50	0	1.00	20.70	80.776	8.656	2,582,483	2,711,607
44+944	1	2.00	1.50	0	1.17	21.38	82.665	8.863	2,653,023	2,785,674
45+090	1	2.00	2.00	0	1.40	22.30	100.919	10.787	3,223,384	3,384,553
45+200	1	2.00	1.50	0	1.86	24.14	90.331	9.707	2,939,763	3,086,751
45+550	1	2.00	2.00	0	1.06	20.94	96.699	10.323	3,067,721	3,221,108

Sample report: illustrative data, not for design use

Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
45+839	1	2.00	1.50	0	1.54	22.86	86.776	9.316	2,806,833	2,947,175
46+067	1	2.00	1.50	0	1.23	21.62	83.332	8.937	2,678,027	2,811,928
46+288	1	2.00	1.50	0	1.38	22.22	84.998	9.120	2,740,304	2,877,319
46+467	1	2.00	1.50	0	0.98	20.62	80.554	8.631	2,574,107	2,702,812
46+585	1	2.00	2.00	0	1.19	21.46	98.312	10.500	3,127,183	3,283,542
46+690	1	2.00	1.50	0	1.05	20.90	81.332	8.717	2,603,252	2,733,414
46+798	1	2.00	1.50	0	1.66	23.34	88.109	9.462	2,856,605	2,999,435
47+095	1	2.00	1.50	0	1.24	21.66	83.443	8.949	2,682,162	2,816,270
47+287	1	2.00	1.50	0	3.61	31.14	109.773	11.845	3,666,697	3,850,031
47+590	1	2.00	2.00	30	0.96	23.71	105.293	11.268	3,276,819	3,440,660
47+768	1	2.00	2.00	0	1.94	24.46	107.620	11.524	3,470,592	3,644,121
48+047	1	2.00	1.50	0	1.26	21.74	83.665	8.973	2,690,415	2,824,936
48+100	1	2.00	2.00	0	0.95	20.50	95.334	10.173	3,017,381	3,168,250
48+282	1	2.00	1.50	0	0.98	20.62	80.554	8.631	2,574,107	2,702,812
48+520	1	2.00	2.00	30	1.12	24.45	107.589	11.521	3,358,167	3,526,076
48+774	1	2.00	1.50	0	1.33	22.02	84.443	9.059	2,719,547	2,855,524
49+280	1	2.00	1.50	0	0.94	20.46	80.110	8.582	2,557,484	2,685,358
49+515	1	2.00	2.00	30	1.29	25.24	110.040	11.790	3,444,781	3,617,020
49+764	1	2.00	1.50	0	1.40	22.30	85.220	9.145	2,748,680	2,886,114
50+068	1	2.00	2.00	30	0.84	23.16	103.587	11.080	3,216,222	3,377,033
50+302	1	2.00	1.50	0	1.66	23.34	88.109	9.462	2,856,605	2,999,435
50+540	1	2.00	2.00	0	1.07	20.98	96.823	10.336	3,072,221	3,225,832
50+705	1	2.00	2.00	0	0.92	20.38	94.961	10.132	3,003,630	3,153,812
50+837	1	2.00	1.50	0	0.80	19.90	78.554	8.411	2,499,325	2,624,291
51+038	1	2.00	1.50	0	1.39	22.26	85.109	9.132	2,744,433	2,881,655
51+298	1	2.00	1.50	0	1.59	23.06	87.331	9.377	2,827,591	2,968,970
51+487	1	2.00	1.50	0	1.34	22.06	84.554	9.071	2,723,676	2,859,860
51+665	1	2.00	2.00	0	1.00	20.70	95.955	10.241	3,040,249	3,192,262
51+920	1	2.00	2.00	0	1.34	22.06	100.174	10.705	3,195,892	3,355,686
52+150	1	2.00	2.00	0	1.48	22.62	101.910	10.896	3,259,953	3,422,950
52+430	1	2.00	2.00	30	1.34	25.47	110.753	11.869	3,470,138	3,643,645
52+540	1	2.00	2.00	30	1.65	26.90	115.190	12.357	3,627,352	3,808,719
52+660	1	2.00	1.50	0	2.09	25.06	92.886	9.988	3,035,301	3,187,066
52+780	1	2.00	2.00	30	1.59	26.62	114.320	12.261	3,596,589	3,776,419
52+924	1	2.00	2.00	30	0.85	23.21	103.742	11.097	3,221,596	3,382,676
53+148	1	2.00	2.00	30	2.12	29.07	121.922	13.097	3,865,786	4,059,075
53+240	1	2.00	1.50	0	1.97	24.58	91.553	9.841	2,985,412	3,134,682
53+330	1	2.00	2.00	30	0.97	23.76	105.448	11.285	3,282,195	3,446,304
53+570	1	2.00	1.50	0	1.05	20.90	81.332	8.717	2,603,252	2,733,414
53+825	1	2.00	2.00	0	4.29	33.86	136.784	14.732	4,546,519	4,773,845

Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
54+035	1	2.00	2.00	0	0.59	19.06	90.866	9.681	2,852,485	2,995,109
54+211	1	2.00	1.50	0	1.78	23.82	89.442	9.609	2,906,496	3,051,821
54+530	1	2.00	2.00	30	0.95	23.67	105.169	11.254	3,272,202	3,435,812
54+766	1	2.00	1.50	30	1.35	25.51	94.136	10.125	2,973,919	3,122,615
55+007	1	2.00	1.50	0	0.99	20.66	80.665	8.644	2,578,354	2,707,272
55+287	1	2.00	1.50	0	1.25	21.70	83.554	8.961	2,686,291	2,820,606
55+520	1	2.00	2.00	30	3.22	34.15	137.683	14.831	4,424,133	4,645,340
55+695	1	2.00	2.00	0	1.47	22.58	101.787	10.882	3,255,355	3,418,123
55+965	1	2.00	1.50	0	3.49	30.66	108.440	11.699	3,616,927	3,797,773
56+103	1	2.00	2.00	30	2.39	30.32	125.800	13.524	4,003,116	4,203,272
56+267	1	2.00	1.50	0	0.96	20.54	80.332	8.607	2,565,855	2,694,148
56+518	1	2.00	1.50	0	1.35	22.10	84.665	9.083	2,727,811	2,864,202
56+743	1	2.00	1.50	0	0.49	18.66	75.110	8.032	2,370,525	2,489,052
56+990	1	2.00	2.00	0	1.69	23.46	104.518	11.183	3,356,166	3,523,974
57+160	1	2.00	2.00	0	2.17	25.38	110.474	11.838	3,575,896	3,754,691
57+367	1	2.00	2.00	30	1.09	24.31	107.155	11.473	3,342,808	3,509,948
57+556	1	2.00	1.50	0	1.93	24.42	91.109	9.792	2,968,783	3,117,223
57+680	3	2.00	2.00	30	7.30	52.99	449.785	49.007	13,435,307	14,107,072
58+010	1	2.00	1.50	45	1.95	34.63	119.467	12.912	3,708,234	3,893,646
58+192	5	3.00	2.00	30	0.46	21.40	494.640	53.577	13,573,000	14,251,650
58+312	1	2.00	1.50	30	1.65	26.90	97.997	10.550	3,112,306	3,267,921
58+480	1	2.00	2.00	0	2.07	24.98	109.233	11.701	3,530,053	3,706,556
58+766	1	2.00	1.50	0	1.14	21.26	82.332	8.827	2,640,642	2,772,674
59+002	1	2.00	1.50	0	1.97	24.58	91.553	9.841	2,985,412	3,134,682
59+300	1	2.00	2.00	0	1.15	21.30	97.816	10.446	3,108,947	3,264,394
59+530	1	2.00	1.50	0	2.42	26.38	96.552	10.391	3,172,359	3,330,977
59+757	1	2.00	1.50	0	1.24	21.66	83.443	8.949	2,682,162	2,816,270
59+978	2	2.00	2.00	30	1.04	24.08	168.472	18.140	4,982,117	5,231,223
60+230	2	3.00	1.50	30	2.06	28.79	260.377	28.269	7,525,782	7,902,071
60+635	1	2.00	2.00	30	1.31	25.33	110.318	11.821	3,454,762	3,627,500
60+800	1	2.00	1.50	0	0.96	20.54	80.332	8.607	2,565,855	2,694,148
61+200	4	3.00	3.00	0	1.74	23.66	521.503	56.312	14,639,451	15,371,423
61+336	2	3.00	3.00	0	0.85	20.10	266.712	28.593	7,679,386	8,063,355
61+680	1	2.00	1.50	0	1.07	20.98	81.553	8.741	2,611,491	2,742,066
61+885	1	2.00	2.00	0	1.08	21.02	96.946	10.350	3,076,826	3,230,667
62+000	1	2.00	2.00	30	0.76	22.79	102.439	10.954	3,175,597	3,334,377
62+560	1	2.00	1.50	30	0.65	22.28	85.165	9.138	2,652,061	2,784,664
62+786	1	2.00	1.50	0	1.18	21.42	82.776	8.876	2,657,265	2,790,128
62+983	1	2.00	1.50	0	2.30	25.90	95.219	10.244	3,122,470	3,278,593
63+340	1	2.00	2.00	30	0.84	23.16	103.587	11.080	3,216,222	3,377,033

Sample report: illustrative data, not for design use

Station	Cells	Span (m)	Height (m)	Skew (°)	Fill (m)	Length (m)	Concrete (cu m)	Steel (t)	Cost	Cost + cont.
63+850	1	2.00	2.00	30	1.39	25.70	111.467	11.947	3,495,391	3,670,160
64+763	1	2.00	2.00	30	1.24	25.01	109.327	11.712	3,419,543	3,590,520
64+954	1	2.00	1.50	0	3.11	29.14	104.218	11.234	3,458,988	3,631,937
65+273	1	2.00	1.50	0	1.02	20.78	80.998	8.680	2,590,736	2,720,272
65+503	1	2.00	1.50	0	1.28	21.82	83.887	8.998	2,698,784	2,833,723
65+760	1	2.00	1.50	0	1.25	21.70	83.554	8.961	2,686,291	2,820,606
66+241	1	2.00	2.00	0	4.10	33.10	134.425	14.473	4,459,566	4,682,544
66+680	1	2.00	1.50	0	1.44	22.46	85.665	9.193	2,765,196	2,903,456
67+385	1	2.00	1.50	0	1.10	21.10	81.887	8.778	2,624,002	2,755,202
67+542	1	2.00	1.50	0	1.13	21.22	93.704	10.067	2,938,536	3,085,463

Costs in PKR.

Bill of Quantities — All Culverts

Item	Description	Qty	Unit	Rate	Cost
107 a	Structural excavation	45,581.971	cu m	PKR 364.53	PKR 16,615,996
401 a1 ii	Conc. Class A3 (Underground)	16,725.885	cu m	PKR 11,449.43	PKR 191,501,849
401 a1 i	Conc. Class A3 (On ground)	12,750.907	cu m	PKR 12,369.68	PKR 157,724,639
401 a3 i	Conc. Class A3 (Elevated)	10,322.648	cu m	PKR 12,824.65	PKR 132,384,348
401 a1 i	Lean concrete	4,752.474	cu m	PKR 6,317.9	PKR 30,025,655
401 a3 iii	Reinforcing steel	4,288.410	ton	PKR 118,249.92	PKR 507,104,139
401 f	Loose riprap Class C	24,103.548	cu m	PKR 2,411.38	PKR 58,122,814
401 g	Mortared riprap Class B	16,731.402	cu m	PKR 5,370.76	PKR 89,860,345
401 h	Filter material under MRR	5,577.132	cu m	PKR 2,075.52	PKR 11,575,449
Total cost					**PKR 1,194,915,234**
Total cost + 5.0% contingency					**PKR 1,254,660,996**

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