

SMALL PROJECT ESTIMATING GUIDE (7/2008 rev)

1. Aggregate Surface & Sub-base (placed & Compacted).....	\$ 26.00 / T
2. Millings (material only).....	\$ 12.00 / T
3. Millings (placed & compacted).....	\$ 26.00 / T
4. Common Borrow Material (placed & compacted).....	\$ 14.00 / CY
5. Ditch Cleaning (w/ Backhoe or Gradall).....	\$ 7.00 / LF
6. Grading & Shaping (shoulders & roadside swales w/ Grader)....	\$ 1,061.00 / Lane mi.
7. Rip – Rap Stone dumped.....	\$ 42.00 / CY
8. Rip – Rap Stone placed.....	\$ 74.00 / CY
9. Cleaning Pipes* (36" and smaller).....	\$ 8.00 / LF
10. Cleaning Pipes* (over 36").....	\$ 12.00 / LF
11. Storm Drain Pipe (installed excludes pavement restoration)	
12".....	\$ 36.00 / LF
15".....	\$ 42.00 / LF
18".....	\$ 48.00 / LF
24".....	\$ 62.00 / LF
30".....	\$ 74.00 / LF
36".....	\$ 114.00 / LF
42".....	\$ 134.00 / LF
48".....	\$ 152.00 / LF
54".....	\$ 204.00 / LF
60".....	\$ 222.00 / LF
72".....	\$ 308.00 / LF
84".....	\$ 478.00 / LF
12. Remove and relay existing pipe.....	75 % of Replacement Unit Cost / LF
13. Flared End Sections.....	8 x Pipe Replacement Unit Cost / LF
14. End walls & Wing Walls.....	\$ 54.00 / SF
15. Storm Drain Inlets & Manholes (includes top & casting)	
Depth up to 4'.....	\$ 2,122.00 / Ea.
Depth over 4'.....	\$ 2,652.00 / Ea.
16. Box Culvert** (plan view - surface area).....	\$ 252.00 / SF
17. Bridge Replacement** (deck surface area).....	\$ 405.00 / SF
18. Seal Coat (oil & chip - per application).....	\$ 9.00 / SY
19. Asphalt Pavement Patching (up to 20 T).....	\$ 114.00 / T
20. Asphalt Pavement Patching (over 20 T).....	\$ 95.00 / T
21. Pile & Lagging Wall**.....	\$ 1,591.00 / LF
22. Filter Fabric (installed mid wt. non – woven).....	\$ 2.00 / SY
23. Concrete, Structural (complete including reinf. & back fill).....	\$ 1,071.00 / CY
24. Guide Rail.....	\$ 22.00.00 / LF
25. Guide Rail Structure mounted (Bridges & Box Culverts).....	\$ 54.00 / LF
26. Guide Rail end section (bull nose ends).....	\$ 54.00 / Ea.
27. Gabion Baskets (3'x3'x6').....	\$ 217.00 /CY
28. Field stone retaining wall.....	\$70/SF

* Generally cleaning of pipes with sediment less than 1/3 of pipe diameter will be considered normal maintenance and not eligible for FEMA reimbursement.

** Prices exclude geotechnical, engineering, inspection, traffic control or bridge approaches, where applicable

$$L' \times W' \times D'' / 12 = CF \qquad L' \times W' \times D'' / 324 = CY \qquad L' \times W' \times .1666 = SF$$

$$L' \times W' \times D' = CF \qquad L' \times W' \times D' / 9 = SY \qquad CY \times 1.8 = T$$

$$L' \times W' \times D' / 27 = CY \qquad SF / 27 = CY$$