

<u>FEMA Description</u>	<u>U/M</u>	<u>Cost FY2024 CPI</u>
Aggregate Surface & Sub-base (placed & Compacted)	T	\$41.00
Regular Excavation (Debris Removal)	CY	\$22.00
Structural Excavation (Debris Removal)	CY	\$27.00
Millings (material only)	T	\$24.00
Millings (placed & compacted)	T	\$45.00
Common Borrow Material (placed & compacted)	CY	\$24.00
Ditch Cleaning (w/ Backhoe or Gradall)	LF	\$18.00
Grading & Shaping (shoulders & roadside swales w/ Grader) <1 Mile	LF	\$11.00
Grading & Shaping (shoulders & roadside swales w/ Grader) >1 Mile	Lane mi	\$1,506.0
Rip – Rap Stone dumped	CY	0 \$81.00
Rip – Rap Stone placed	CY	\$122.00
Cleaning Pipes* (36" and smaller)	LF	\$18.00
Cleaning Pipes* (over 36")	LF	\$22.00
12" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$108.00
15" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$125.00
18" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$127.00
24" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$135.00
30" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$138.00
36" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$153.00
42" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$175.00
48" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$193.00
54" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$227.00
60" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$268.00
72" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$287.00
84" Storm Drain Pipe (installed excludes pavement restoration)	LF	\$310.00
Remove and relay existing pipe (75% of above LF Costs)	LF	RUC***
Flared End Section	LF	\$99.00
End walls & Wing Walls	EA	\$4014.00
Storm Drain Inlets & Manholes (includes top & casting) up to 4'	EA	\$3374.00
Storm Drain Inlets & Manholes (includes top & casting) over 4'	EA	\$4047.00
Box Culvert** (plan view - surface area)	SF	\$374.00
Bridge Replacement** (deck surface area)	SF	\$523.00
Seal Coat (oil & chip - per application)	SY	\$22.00
Asphalt Pavement Patching (up to 20 T)	T	\$221.00
Asphalt Pavement Patching (over 20 T)	T	\$175.00
Pile & Lagging Wall**	LF	\$2,257.00
Filter Fabric (installed mid wt. non – woven)	SY	\$11.00
Concrete, Structural (complete including reinf. & back fill)	CY	\$1,350.00
Guide Rail	LF	\$35.00
Guide Rail Structure mounted (Bridges & Box Culverts)	LF	\$64.00
Guide Rail end section (bull nose ends)	EA	\$300.00
Gabion Baskets (3'x3'x6')	CY	\$386.00
Field Stone Retaining Wall	CY	\$299.00

\* 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.

\*\*\* RUC is Replacement Unit Cost for the size pipe listed above

5280'=1 mile

$$L'xW'=SF \quad L'xW'xD''/324=CY \quad L'xW'xD'=CF \quad CF/27=CY \quad L'xW'xD'=CF$$

$$L'xW'x(D''/12)=CF \quad L'xW'/9=SY \quad CYx1.8=T(\text{aggregate})$$