



Natural Resources Conservation Service  
210 Walnut Street, Room 693  
Des Moines, IA 50309-2180

April 23, 2009

GENERAL MANUAL (GM)  
120 - ADS  
AMENDMENT IA51 (Part 404)

SUBJECT: ADS – LAND TREATMENT – LONG TERM CONTRACTING

Purpose. To update the amendment to Part 404, Land Treatment – Long Term Contracting, and distribute the Average Cost List for 2009.

Effective Date. Upon receipt.

Contact. If there are questions about the amendment, contact Allen Gehring, State Conservation Engineer, at 515/284-4357, or by e-mail at [allen.gehring@ia.usda.gov](mailto:allen.gehring@ia.usda.gov).

Filing Instructions

Remove Pages  
IA404-(1-12)

Dated  
March 2007

Insert Pages  
IA404-(1-12)

Dated  
April 2009

/s/ Richard Sims  
State Conservationist

Attachment

GM

**Part 404 – Land Treatment – Long-Term Contracting****Subpart D - Cost Sharing****IA404.31 APPROVED AVERAGE COSTS**

Land Treatment Measures and Wildlife Habitat Development - All project areas unless exception noted.

(a) PRACTICE AND/OR COMPONENTS Adams, Taylor, Ringgold, Decatur, Page and Montgomery Counties.

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(1) Per lineal foot of grassed backslope terrace with topsoiling, excluding any tile and/or intakes and/or outlets.	----	\$2.20	\$2.40	\$3.80	----	----
(2) Per lineal foot of grassed backslope water and sediment control basin with topsoiling, excluding any tile and/or intakes and/or outlets.	----	\$2.40	\$2.40	\$3.80	----	----
(3) Per cubic yard of grassed backslope water and sediment control basin with topsoiling, excluding any tile and/or outlets.	----	----	\$1.50	\$1.50	----	----
(4) Per lineal foot of broad base terrace with topsoiling, excluding any tile and/or intakes and/or outlets.	----	\$2.20	\$3.60	\$4.20	----	----
(5) Per cubic yard of broad base terrace with topsoiling, excluding any tile and/or intakes and/or outlets.	-----	-----	\$1.50	\$1.50	----	----
(6) Per lineal foot of broad base water and sediment control basin with topsoiling, excluding any tile and/or intakes and/or outlets.	----	\$2.40	\$3.60	\$4.20	-----	----
(7) Per cubic yard of broad base water and sediment control basin with topsoiling, excluding any tile and/or intakes and/or outlets.	-----	-----	\$1.50	\$1.50	-----	-----
(8) Per lineal foot of narrow base terrace with topsoiling, excluding any tile and/or intakes and/or outlets.	\$2.20	\$1.75	\$1.70	\$3.00	\$1.36	\$1.38

Title 120 – General Manual

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(9) Per lineal foot of narrow base water and sediment control basin with topsoiling, excluding any tile and/or intakes and/or outlets.	\$2.20	\$1.75	\$1.70	\$3.00	\$1.77	-----
(10) Per cubic yard of narrow base water and sediment control basin with topsoiling, excluding any tile and/or intakes and/or outlets.	\$1.45	\$1.30	\$1.50	\$1.50	\$0.90	\$0.85
(11) Per cubic yard of water and sediment control basin built as a grade stabilization structure.	\$1.45	\$1.30	\$1.50	\$1.50	\$1.45	\$1.38
(12) Per 4" or 5" diam. intake (intake includes perforated riser, elbow or tee, and 8 lineal feet of watertight conduit).	\$105.00	\$95.00	\$100.00	\$105.00	\$107.00	\$155.00
(13) Per 6" diam. intake (intake includes perforated riser, elbow or tee, and 8 lineal feet of watertight conduit).	\$139.00	\$115.00	\$120.00	\$139.00	\$120.00	\$155.00
(14) Per 8" diam. intake (intake includes perforated riser, elbow or tee, and 8 lineal feet of watertight conduit).	\$185.00	-----	\$120.00	\$185.00	\$136.00	\$185.00
(15) Per lineal foot of 4" diam. drain tile.	\$1.40	\$1.10	\$1.13	\$1.13	\$1.19	\$1.20
(16) Per lineal foot of 5" diam. drain tile.	\$1.60	\$1.30	\$1.45	\$1.50	\$1.42	\$1.55
(17) Per lineal foot of 6" diam. drain tile.	\$1.95	\$1.60	\$1.85	\$1.80	\$1.72	\$1.85
(18) Per lineal foot of 8" diam. drain tile.	\$2.70	\$2.35	\$2.80	\$2.45	\$2.51	\$2.70
(19) Per lineal foot of 10" diam. drain tile.	\$4.40	\$3.60	\$3.80	\$3.58	\$3.77	\$4.25
(20) Per lineal foot of 12" diam. drain tile.	\$5.25	\$4.60	\$4.80	\$4.57	\$5.13	\$5.30
(21) Per lineal foot of 15" diam. drain tile.	-----	-----	-----	-----	-----	\$8.40

Title 120 – General Manual

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(22) Per lineal foot of 4", 5", or 6" diam. pipe outlet.	\$6.25	\$6.25	\$7.00	\$5.50	\$5.59	\$5.50
(23) Per lineal foot of 8" diam. pipe outlet.	\$7.50	\$7.50	\$10.00	\$6.75	\$6.54	\$7.00
(24) Per lineal foot of 10" diam. pipe outlet.	\$10.00	\$9.38	\$10.70	\$10.25	\$7.70	\$10.00
(25) Per lineal foot of 12" diam. pipe outlet.	\$12.69	\$12.50	\$12.70	\$11.25	\$9.03	\$12.50
(26) Per lineal foot of 15" diam. pipe outlet.	-----	-----	-----	-----	\$13.90	\$16.50
(27) Per 6" diam. corrugated metal or smooth metal relief well, including riser and elbow or tee.	-----	-----	-----	-----	\$139.00	\$139.00
(28) Per 8" diam. corrugated metal or smooth metal relief well, including riser and elbow or tee.	-----	\$185.00	-----	-----	\$185.00	\$185.00
(29) Per 10" diam. corrugated metal or smooth metal relief well, including riser and elbow or tee.	-----	-----	-----	-----	\$185.00	\$185.00
(30) Per 12" diam. corrugated metal or smooth metal relief well, including riser and elbow or tee.	-----	-----	-----	-----	\$180.00	\$160.00
(31) Per acre of clearing and/or grubbing. The area measured will be the area specified on the plans, measured to the nearest 0.1 acre.	\$1000.00	\$1000.00	\$1000.00	\$1000.00	\$1000.00	\$1000.00
(32) Per cubic yard of excavation performed by dragline or backhoe.	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
(33) Per cubic yard of earthwork. Earthwork quantities will include outlet channel excavation and the total of embankment fill, core trench backfill, and stripping excavation backfill.	\$1.45	\$1.30	\$1.40	\$1.50	\$1.45	\$1.44
(34) Per cubic yard of drainfill.	\$52.00	\$52.00	\$45.00	\$52.00	\$52.00	\$60.00

Title 120 – General Manual

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(35) Per cubic yard of riprap.	\$55.00	\$55.00	\$60.00	\$55.00	----	\$55.00
(36) Per lineal foot of principal spillway pipe, 4" diam., smooth steel, with welded connections.	\$15.00	\$9.00	\$9.00	\$15.00	----	\$15.00
(37) Per lineal foot of principal spillway pipe, 6" diam., smooth steel, with welded connections.	\$18.00	\$13.50	\$13.50	\$18.00	----	\$18.00
(38) Per lineal foot of principal spillway pipe, 8" diam., smooth steel, with welded connections.	\$24.00	\$16.00	\$16.00	\$24.00	----	\$24.00
(39) Per lineal foot of principal spillway pipe, 10" diam., smooth steel, with welded connections.	\$28.00	\$28.00	\$28.00	\$28.00	\$28.00	\$28.00
(40) Per lineal foot of principal spillway pipe, 12" diam., smooth steel, with welded connections.	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00
(41) Per lineal foot of principal spillway pipe, 14" diam., smooth steel, with welded connections.	\$38.00	\$38.00	\$38.00	\$38.00	\$38.00	\$38.00
(42) Per lineal foot of principal spillway pipe, 16" diam., smooth steel, with welded connections.	\$43.00	\$43.00	\$43.00	\$43.00	\$43.00	\$43.00
(43) Per lineal foot of principal spillway pipe, 18" diam., smooth steel, with welded connections.	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00
(44) Per lineal foot of principal spillway pipe, 20" diam., smooth steel, with welded connections.	\$48.00	\$48.00	\$48.00	\$48.00	\$48.00	\$48.00
(45) Per lineal foot of principal spillway pipe, 22" diam., smooth steel, with welded connections.	\$51.00	\$51.00	\$51.00	\$51.00	\$51.00	\$51.00
(46) Per lineal foot of principal spillway pipe, 24" diam., smooth steel, with welded connections.	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00

Title 120 – General Manual

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(47) Per lineal foot of slotted flume, 12" diam., smooth steel, with welded connections.	\$51.00	\$51.00	\$51.00	\$51.00	\$51.00	\$51.00
(48) Per lineal foot of slotted flume, 14" diam., smooth steel, with welded connections.	\$57.00	\$57.00	\$57.00	\$57.00	\$57.00	\$57.00
(49) Per lineal foot of slotted flume, 18" diam., smooth steel, with welded connections.	\$67.50	\$67.50	\$67.50	\$67.50	\$67.50	\$67.50
(50) Per lineal foot of slotted flume, 24" diam., smooth steel, with welded connections.	\$82.50	\$82.50	\$82.50	\$82.50	\$82.50	\$82.50
(51) Per lineal foot of principal spillway pipe, 12" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$44.49	\$44.49	\$44.49	\$44.49	\$44.49	\$44.49
(52) Per lineal foot of principal spillway pipe, 15" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$51.32	\$51.32	\$51.32	\$51.32	\$51.32	\$51.32
(53) Per lineal foot of principal spillway pipe, 18" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$57.91	\$57.91	\$57.91	\$57.91	\$57.91	\$57.91
(54) Per lineal foot of principal spillway pipe, 21" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$64.70	\$64.70	\$64.70	\$64.70	\$64.70	\$64.70
(55) Per lineal foot of principal spillway pipe, 24" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$71.43	\$71.43	\$71.43	\$71.43	\$71.43	\$71.43
(56) Per lineal foot of principal spillway pipe, 30" diam., 14 gage, annular, with caulked seams and 24" watertight bands.	\$100.05	\$100.05	\$100.05	\$100.05	\$100.05	\$100.05

Title 120 – General Manual

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(57) Per lineal foot of principal spillway pipe, 36" diam., 12 gage, annular, with caulked seams and 24" watertight bands.	\$122.87	\$122.87	\$122.87	\$122.87	\$122.87	\$122.87
(58) Per lineal foot of principal spillway pipe, 42" diam., 10 gage, annular, with caulked seams and 24" watertight bands.	\$181.32	\$181.32	\$181.32	\$181.32	\$181.32	\$181.32
(59) Per lineal foot of principal spillway pipe, 48" diam., 10 gage, annular, with caulked seams and 24" watertight bands.	\$210.69	\$210.69	\$210.69	\$210.69	\$210.69	\$210.69
(60) Per lineal foot of principal spillway pipe, slotted flume, 12" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$66.97	\$66.97	\$66.97	\$66.97	\$66.97	\$66.97
(61) Per lineal foot of principal spillway pipe, slotted flume, 15" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$78.45	\$78.45	\$78.45	\$78.45	\$78.45	\$78.45
(62) Per lineal foot of principal spillway pipe, slotted flume, 18" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$89.60	\$89.60	\$89.60	\$89.60	\$89.60	\$89.60
(63) Per lineal foot of principal spillway pipe, slotted flume, 21" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$101.11	\$101.11	\$101.11	\$101.11	\$101.11	\$101.11
(64) Per lineal foot of principal spillway pipe, slotted flume, 24" diam., 16 gage, annular, with caulked seams and 24" watertight bands.	\$112.40	\$112.40	\$112.40	\$112.40	\$112.40	\$112.40

Title 120 – General Manual

<b>Practice and/or Components</b>	<b>Adams</b>	<b>Taylor</b>	<b>Ringgold</b>	<b>Decatur</b>	<b>Page</b>	<b>Montgomery</b>
(65) Per lineal foot of principal spillway pipe, slotted flume, 30" diam., 14 gage, annular, with caulked seams and 24" watertight bands.	\$160.87	\$160.87	\$160.87	\$160.87	\$160.87	\$160.87
(66) Per lineal foot of principal spillway pipe, slotted flume, 36" diam., 12 gage, annular, with caulked seams and 24" watertight bands.	\$195.48	\$195.48	\$195.48	\$195.48	\$195.48	\$195.48
(67) Per installed cost of individual trash rack for 4" to 10" diam. principal spillway.	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
(68) Per installed cost of individual trash rack for 12" to 24" diam. principal spillway.	\$1200.00	\$1200.00	\$1200.00	\$1200.00	\$1200.00	\$1200.00
(69) Per livestock water system, each.	\$1000.00	\$1300.00	\$1000.00	\$1000.00	\$1000.00	\$1000.00
(70) Per livestock access to water, each.	\$1500.00	\$1500.00	\$1500.00	\$1500.00	\$1500.00	\$1500.00
(71) Per site of heavy use area protection, each.	\$1500.00	\$1500.00	\$1500.00	\$1500.00	\$1500.00	\$1500.00
(72) Per lineal foot of grassed waterway.	\$2.10	\$1.20	\$1.56	\$1.56	\$1.50	\$1.50
(73) Per lineal foot of diversion.	\$2.00	\$2.40	\$2.00	\$2.00	----	\$2.00
(74) Per acre of fertilizing and seeding (w/o mulch), the earthfill and area disturbed by construction operations, measured to the nearest 0.1 acre.	\$228.00	\$228.00	\$275.00	\$275.00	\$250.00	\$235.00
(75) Per acre of fertilizing and seeding (with mulch), the earthfill and area disturbed by construction operations, measured to the nearest 0.1 acre.	\$495.00	\$495.00	\$495.00	\$495.00	\$495.00	\$495.00
(76) Per acre of fertilizing and seeding the backslope of grassed backslope and narrow base terraces, measured to the nearest 0.1 acre.	\$160.00	----	\$170.00	\$170.00	----	----

Title 120 – General Manual

Practice and/or Components	Adams	Taylor	Ringgold	Decatur	Page	Montgomery
(77) Per lineal foot of barbed wire (5 strand) farm field fence.	\$2.30	\$2.00	\$2.25	\$2.45	\$2.20	\$2.25
(78) Per lineal foot of double wire high tensile fence.	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00

(m) Approved Average Costs - Soap Creek Watershed - Appanoose, Davis, Monroe and Wapello Counties.

(1) Per acre of critical area planting without mulch	\$220.00
(2) Per acre of critical area planting with mulch	\$605.00
(3) Per lineal foot of barbed wire (4 strand) farm field fence	\$1.75
(4) Per lineal foot of barbed wire (5 strand) farm field fence	\$2.15
(5) Per lineal foot of 42" woven wire with 9" staves and barbed wire (1 strand)	\$2.30
(6) Per acre of site preparation for mitigation fencing	\$1,100.00
(7) Per livestock watering system	\$2,000.00
(8) Per lineal foot of high tensile fence with two (2) wires	\$1.00

(n) Approved Costs - Little Paint Creek Watershed - Allamakee County

Costs listed for all items are the average component costs using the AC method of contracting. Payment to landowners will be made at a cost share rate of 65% of the average cost, or NRCS Engineer's Estimate if specified.

(1) \$22.00 per acre of herbicide application for pasture and hayland planting.
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Title 120 – General Manual

(2) \$24.00 per acre of ground preparation for pasture and hayland planting.
(3) \$35.00 per acre of seed (introduced species) for pasture and hayland planting.
(4) \$110.00 per acre of seed (native species) for pasture and hayland planting.
(5) \$11.00 per acre of seeding of pasture and hayland planting.
(6) \$42.00 per acre of fertilizer for nutrient management on pasture and hayland planting.
(7) \$32.00 per acre of lime for nutrient management on pasture and hayland planting.
(8) \$0.18 per lineal foot of single wire high tensile fence (interior) installed.
(9) \$0.21 per lineal foot of double wire high tensile fence (interior) installed.
(10) \$0.25 per lineal foot of triple wire high tensile fence (interior) installed.
(11) \$1.20 per lineal foot of high tensile fence (perimeter) installed.
(12) \$1.92 per lineal foot of four strand barbed wire fence installed.
(13) \$2.15 per lineal foot of five strand barbed wire fence installed.
(14) \$2.54 per lineal foot of 32" woven wire and two strand barbed wire fence installed.
(15) \$2.69 per lineal foot of 36" woven wire and two strand barbed wire fence installed.
(16) \$300.00 per power energizer for fence.
(17) \$1.00 per lineal foot of water supply pipeline and appurtances (above ground).
(18) \$1.50 per lineal foot of water supply pipeline and appurtances (below ground).
(19) \$400.00 per livestock watering facility including nose pump and tank.
(20) \$600.00 per ram pump for livestock watering facility.

Title 120 – General Manual

(21) \$1,400.00 per ram pump with solar assist for livestock watering facility.
(22) \$5,000.00 per well for livestock water.
(23) \$1,500.00 per livestock crossing.
(24) \$600.00 per acre of tree planting.
(25) \$125.00 per acre of timber stand improvement.

Costs listed for the following items are the average component costs using the AM method of contracting. Payment to landowners will be made at a cost share rate of 65% of the actual cost, not to exceed the maximum cost shown or as established by NRCS.

(26) Heavy use area protection (grazing related) – 65% of total cost as approved by NRCS.
(27) Livestock manure management system – 65% of the total cost as approved by NRCS – Greater than or equal to 180 days storage up to \$75,000.00 maximum cost share; other waste management systems up to \$20,000.00 maximum cost share.

Note:

- (1) Property line fences including exterior fences along roads are not authorized for cost share payment.
- (2) The cumulative amount of Federal cost share for pasture plantings, nutrient management, fencing and water supply shall not exceed \$200.00 per acre.

(o) Approved Costs - Bear Creek Watershed – Winneshiek County

Costs listed for all items are the average component costs using the AC method of contracting. Payment to landowners will be made at a cost share rate of 65% of the average cost per the list, or NRCS Engineer’s estimate if specified.

(1) \$22.00 per acre of herbicide application for pasture and hayland planting.
(2) \$24.00 per acre of ground preparation for pasture and hayland planting.
(3) \$35.00 per acre of seed (introduced species) for pasture and hayland planting.
(4) \$110.00 per acre of seed (native species) for pasture and hayland planting.
(5) \$11.00 per acre of seeding of pasture and hayland planting.
(6) \$42.00 per acre of fertilizer for nutrient management on pasture and hayland planting.

Title 120 – General Manual

(7) \$32.00 per acre of lime for nutrient management on pasture and hayland planting.
(8) \$0.18 per lineal foot of single wire high tensile fence (interior) installed.
(9) \$0.21 per lineal foot of double wire high tensile fence (interior) installed.
(10) \$0.25 per lineal foot of triple wire high tensile fence (interior) installed.
(11) \$1.20 per lineal foot of high tensile fence (perimeter) installed.
(12) \$1.92 per lineal foot of four strand barbed wire fence installed.
(13) \$2.15 per lineal foot of five strand barbed wire fence installed.
(14) \$2.54 per lineal foot of 32" woven wire and two strand barbed wire fence installed.
(15) \$2.69 per lineal foot of 36" woven wire and two strand barbed wire fence installed.
(16) \$300.00 per power energizer for fence.
(17) \$1.00 per lineal foot of water supply pipeline and appurtances (above ground).
(18) \$1.50 per lineal foot of water supply pipeline and appurtances (below ground).
(19) \$400.00 per livestock watering facility including nose pump and tank.
(20) \$600.00 per ram pump for livestock watering facility.
(21) \$1,400.00 per ram pump with solar assist for livestock watering facility.
(22) \$5,000.00 per well for livestock water.
(23) \$2.90 per lineal foot of grassed waterway outlet terrace.
(24) \$500.00 per acre of tree planting.
(25) \$125.00 per acre of timber stand improvement.
(26) \$3.55 per lineal foot of grassed backslope terrace with topsoiling, excluding any tile and/or intakes and/or outlets.
(27) \$2.90 per lineal foot of narrow base terrace with topsoiling, excluding any tile and/or intakes and/or outlets.

Title 120 – General Manual

(28) \$3.55 per lineal foot of broad base terrace with topsoiling, excluding tile and/or intakes and/or outlets.
(29) \$100.00 per 4 inch or 5 inch intake (intake includes perforated riser, elbow or tee, and 8 lineal feet of watertight conduit).
(30) \$115.00 per 6 inch diameter intake (intake includes perforated riser, elbow or tee, and 8 lineal feet of watertight conduit).
(31) \$121.00 per 8 inch diameter intake (intake includes perforated riser, elbow or tee, and 8 lineal feet of watertight conduit).
32) \$1.25 per lineal foot of 4-inch diameter drain tile.
(33) \$1.45 per lineal foot of 5-inch diameter drain tile.
(34) \$1.70 per lineal foot of 6-inch diameter drain tile.
(35) \$2.30 per lineal foot of 8-inch diameter drain tile.
(36) \$3.25 per lineal foot of 10-inch diameter drain tile.
(37) \$4.60 per lineal foot of 12-inch diameter drain tile.
(38) \$90.00 per 6-inch diameter corrugated metal, smooth metal or PVC pipe outlet with animal guard.
(39) \$125.00 per 8-inch diameter corrugated metal, smooth metal or PVC pipe outlet with animal guard.
(40) \$160.00 per 10-inch diameter corrugated metal, smooth metal or PVC pipe outlet with animal guard.
(41) \$200.00 per 12-inch diameter corrugated metal, smooth metal or PVC pipe outlet with animal guard.

Costs listed for the following items are the average component costs using the AM method of contracting. Payment to landowners will be made at a cost share rate of 65% of the actual cost not to exceed the maximum cost shown or as established by NRCS.

(42) Heavy use area protection (grazing related) – 65% of total cost as approved by NRCS.
(43) Livestock manure management system – 65% of the total cost as approved by NRCS – Greater than or equal to 180 days storage up to \$50,000.00 maximum cost share, other waste management systems up to \$20,000.00 maximum cost share.

Note:

(1) Property line fences including exterior fences along roads are not authorized for cost share.