

Standardized WRP State Cost List

January 2015

1st Half Calendar Year 2015 Component Costs To Be Used in Establishing Missouri Wetland Restoration Rates for Easements enrolled in the Wetlands Reserve Easement Program and the Emergency Watershed Protection Program - Floodplain Easement.

The following agencies have approved the attached Cost List

J.R. Flores

NRCS State Office

12/12/2014

Date

All components and average costs are shown on the attached pages.

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Compnum	SWCD	EARTHMOVING	Labor Included	2014 Component Cost	*2015 Component Cost	Units
EARTHMOVING						
912	Grading/shapWRP	Grading & Shaping CAT - WRP	Yes	\$934.43	\$933.91	ac
6	Levee Removal	Levee Removal	Yes	\$1.34	\$1.34	cu yd
913	CreatBrwWRP	Wetland Creative Borrow - WRP	Yes	\$1.57	\$1.78	cu yd
677	Levee	Levee (Water management)	Yes	\$2.61	\$2.96	cu yd
914	SpoilBnkHabFeat	Spoil Bank - Habitat Feature	Yes	\$1.57	\$1.78	cu yd
915	SpoilBnkWatMgtFeat	Spoil Bank - Water Management Feature	Yes	\$1.57	\$1.78	cu yd
907	SpoilSpreading	Spoil Spreading - Spreading only	Yes	\$1.07	\$1.07	ft
918	Excavation	Excavation of Ditch	Yes	\$1.91	\$1.99	Cu Yd

Compnum	SWCD	GENERAL CONSTRUCTION MATERIAL				
GENERAL CONSTRUCTION MATERIAL						
41	Drain Tile Removal	Drain Tile Removal	Yes	\$2.00	\$2.00	ft
51	Gravel	Gravel	Yes	\$17.78	\$17.78	ton
52	Rock 3in-6in	Rock 3" - 6"	Yes	\$21.42	\$21.42	ton
53	Rip-rap	Rip-rap	Yes	\$22.13	\$22.13	ton
55	Concrete (flat)	Concrete (flat work)	Yes	\$214.59	\$214.59	cu yd
56	Concrete (struct)	Concrete (structural)	Yes	\$371.06	\$371.06	cu yd
63	GeotextileFabric Lt	Geotextile Fabric Light	Yes	\$2.70	\$2.70	sq yd
64	GeotextileFabric Hvy	Geotextile Fabric Heavy	Yes	\$3.78	\$3.78	sq yd
70	Trench/bkfill<12in	Trenching and Backfilling<12" pipe or tubing	Yes	\$1.36	\$1.36	ft
71	Trench/bkfill>=12in	Trenching and Backfilling>=12" pipe or tubing	Yes	\$1.54	\$1.54	ft

Compnum	SWCD	PIPE & APPURTENANCES				
PIPE & APPURTENANCES						
126	New SSP 12" (3/8)	New Smooth Steel Pipe 12" (3/8" thick)	Yes	\$59.40	\$59.40	ft
127	New SSP 14" (3/8)	New Smooth Steel Pipe 14" (3/8" thick)	Yes	\$63.36	\$63.36	ft
128	New SSP 16" (3/8)	New Smooth Steel Pipe 16" (3/8" thick)	Yes	\$72.80	\$72.80	ft
129	New SSP 18" (3/8)	New Smooth Steel Pipe 18" (3/8" thick)	Yes	\$79.20	\$79.20	ft
130	New SSP 20" (3/8)	New Smooth Steel Pipe 20" (3/8" thick)	Yes	\$84.00	\$84.00	ft
916	New SSP 22" (3/8)	New Smooth Steel Pipe 22" (3/8" thick)	Yes	\$95.20	\$95.20	ft
131	New SSP 24" (3/8)	New Smooth Steel Pipe 24" (3/8" thick)	Yes	\$100.80	\$100.80	ft
160	Schedule 40 PVC 6in	SCH 40 PVC 6"	Yes	\$10.78	\$10.78	ft
161	Schedule 40 PVC 8in	SCH 40 PVC 8"	Yes	\$12.83	\$12.83	ft
162	Schedule 40 PVC 10in	SCH 40 PVC 10"	Yes	\$16.81	\$16.81	ft
163	Schedule 40 PVC 12in	SCH 40 PVC 12"	Yes	\$17.59	\$17.59	ft
167	Schedule 40 PVC 14in	SCH 40 PVC 14"	Yes	\$24.00	\$24.00	ft

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168	Schedule 40 PVC 16in	SCH 40 PVC 16"	Yes	\$29.40	\$29.40	ft
165	Schedule 40 PVC 18in	SCH 40 PVC 18"	Yes	\$24.81	\$24.81	ft
166	Schedule 40 PVC 24in	SCH 40 PVC 24"	Yes	\$23.93	\$23.93	ft
193	SDR 35 PVC 6in	SDR 35 PVC 6"	Yes	\$8.92	\$8.92	ft
194	SDR 35 PVC 8in	SDR 35 PVC 8"	Yes	\$11.21	\$11.21	ft
195	SDR 35 PVC 10in	SDR 35 PVC 10"	Yes	\$14.49	\$14.49	ft
196	SDR 35 PVC 12in	SDR 35 PVC 12"	Yes	\$17.25	\$17.25	ft
197	SDR 35 PVC 15in	SDR 35 PVC 15"	Yes	\$21.93	\$21.93	ft
198	SDR 35 PVC 18in	SDR 35 PVC 18"	Yes	\$35.39	\$35.39	ft
199	SDR 35 PVC 24in	SDR 35 PVC 24"	Yes	\$58.68	\$58.68	ft
254	Animal Guard 6in	Animal Guard 6"	Yes	\$12.00	\$12.00	ea
255	Animal Guard 8in	Animal Guard 8"	Yes	\$14.00	\$14.00	ea
256	Animal Guard 10in	Animal Guard 10"	Yes	\$16.00	\$16.00	ea
257	Animal Guard 12in	Animal Guard 12"	Yes	\$31.00	\$31.00	ea
258	Animal Guard 15in	Animal Guard 15"	Yes	\$49.43	\$49.43	ea
259	Animal Guard 18in	Animal Guard 18"	Yes	\$82.16	\$82.16	ea
260	Animal Guard 24in	Animal Guard 24"	Yes	\$108.34	\$108.34	ea
261	Animal Guard 30in	Animal Guard 30"	Yes	\$123.00	\$123.00	ea
262	Animal Guard 36in	Animal Guard 36"	Yes	\$146.00	\$146.00	ea
263	AntiSeepPlastic	Anti Seep Collar, plastic	Yes	\$11.76	\$11.76	sq ft
278	Plate Steel 3/16in	Plate Steel 3/16" thick	Yes	\$10.23	\$10.23	sq ft
279	Plate Steel 1/4in	Plate Steel 1/4" thick	Yes	\$10.56	\$10.56	sq ft
280	Plate Steel 3/8in	Plate Steel 3/8" thick	Yes	\$15.18	\$15.18	sq ft
313	TrashGaurdFabsm	Trash Guard (Fabricated Small)	Yes	\$13.13	\$13.13	ft
314	TrashGaurdFablr	Trash Guard (Fabricated Large)	Yes	\$13.77	\$13.77	ft
Compnum	SWCD	CONTROL/REMOVAL/SUPPRESSION OF UNWANTED SPECIES				
	CONTROL/REMOVAL...					
316	InvasiveSpeciesEradication	Invasive Species Eradication	Yes	\$0.00	\$192.00	ac.
320	Cultipacking/Roll	Cultipacking, Rolling, or Harrowing	Yes	\$22.49	\$22.49	ac
321	SitePrepCrpLghtChem	Site Prep Cropland Light - Chemical	Yes	\$21.93	\$21.93	ac
322	SitePrepCrpLghtMech	Site Prep Cropland Light - Mechanical	Yes	\$30.00	\$30.00	ac
324	SitePrepCrpMedMech	Site Prep Cropland Medium - Mechanical	Yes	\$45.97	\$45.97	ac
325	SitePrepNCrpLghtChem	Site Prep Non-Cropland Light - Chemical	Yes	\$26.36	\$26.36	ac
326	SitePrepNCrpLghtMech	Site Prep Non-Cropland Light - Mechanical	Yes	\$46.20	\$46.20	ac
328	SitePrepNCrpMedMech	Site Prep Non-Cropland Medium - Mechanical	Yes	\$56.70	\$56.70	ac
329	SitePrepNCrpHvy	Site Prep Non-Cropland Heavy	Yes	\$150.00	\$150.00	ac
330	SitePrepRip	Site Prep Ripping / Sub-Soiling	Yes	\$27.00	\$27.00	ac
333	WeedCont/shrub	Weed Control for Shrubs	Yes	\$0.27	\$0.27	shrub
334	WeedCont/tree	Weed Control for Trees	Yes	\$0.45	\$0.45	tree
806	Mowing	Mowing (During Establishment Period)	Yes	\$17.60	\$17.60	ac

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317	ClearingLgt - WRP	Clearing Light - WRP	Yes	\$45.00	\$45.00	ac
318	ClearingMed - WRP	Clearing Medium - WRP	Yes	\$318.00	\$318.00	ac
319	ClearingHvy - WRP	Clearing Heavy - WRP	Yes	\$1,092.00	\$1,092.00	ac
Compnium SWCD			SEED & SEEDING		Labor Included	
SEED & SEEDING						
341	Alsike Clover	Alsike Clover	No	\$2.29	\$3.90	lb
342	Ladino Clover	Ladino Clover	No	\$3.26	\$3.65	lb
344	Alfalfa	Alfalfa	No	\$4.22	\$4.22	lb
349	Canada/Virginia Rye	Canada or Virginia Wildrye	No	\$11.00	\$13.80	lb
351	Orchardgrass	Orchardgrass	No	\$3.22	\$3.22	lb
352	Redtop	Redtop	No	\$7.94	\$7.94	lb
354	Smooth Bromegrass	Smooth Bromegrass	No	\$2.64	\$2.93	lb
357	TallFes-fungus free	Tall Fescue (fungus free)	No	\$1.62	\$1.62	lb
358	Timothy	Timothy	No	\$1.88	\$1.88	lb
362	Big Bluestem	Big Bluestem	No	\$10.34	\$12.30	lb
364	Eastern Gamagrass	Eastern Gamagrass	No	\$14.29	\$14.29	lb
365	Indiangrass	Indiangrass	No	\$9.58	\$9.58	lb
366	Little Bluestem	Little Bluestem	No	\$13.73	\$20.60	lb
368	PrCordgrasContainer	Prairie Cordgrass (Spartina pectinata) containers	No	\$3.55	\$4.25	ea
369	PrCordgrasRhizomes	Prairie Cordgrass (Spartina pectinata) rhizomes	No	\$0.50	\$0.50	ea
370	Prairie Drop Seed	Prairie Drop Seed	No	\$127.44	\$127.44	lb
371	Sideoats Grama	Sideoats Grama	No	\$12.87	\$12.87	lb
372	Switchgrass	Switchgrass	No	\$7.42	\$11.57	lb
373	Oats	Oats	No	\$0.31	\$0.31	lb
374	Wheat	Wheat	No	\$0.30	\$0.30	lb
381	Temporary Cover	Temporary cover - Seed	No	\$14.59	\$14.59	ac
382	CSG CAP	CSG Critical Area Planting - Seed	No	\$41.89	\$41.89	ac
383	CSG/Legume mix CAP	CSG/Legume mix Critical Area Planting - Seed	No	\$44.65	\$44.65	ac
384	WSG CAP	WSG Critical Area Planting - Seed	No	\$158.55	\$163.00	ac
385	WSG/Legume mix CAP	WSG/Legume mix Critical Area Planting - Seed	No	\$107.59	\$135.00	ac
386	FORBS - Pollinators	Pollinator Planting Forbs Mix	No	\$150.00	\$150.00	lb
396	WSG - Declining Habitats	WSG - Restoration of Declining Habitats - Seed (643)	No	\$84.00	\$84.00	ac
398	FORBS - Pollinators MO Ecotype	Pollinator Planting Forbs Seed Mix (645)	No	\$270.00	\$200.00	lb
401	Lime (ENM)	Lime (ENM)	Yes	\$3.99	\$3.99	100 lb
402	Nitrogen (N)	Nitrogen (N)	Yes	\$0.66	\$0.66	lb
403	Phosphate (P2O5)	Phosphate (P2O5)	Yes	\$0.65	\$0.65	lb
404	Potash (K2O)	Potash (K2O)	Yes	\$0.55	\$0.55	lb
405	BlanketFert&limeCACS	Blanket Fertilizer & Lime (Cool Season Grass)	Yes	\$232.00	\$232.00	ac
406	BlanketFert&limeCAWS	Blanket Fertilizer & Lime (Warm Season Grass)	Yes	\$231.13	\$231.13	ac
407	Spreading	Spreading	Yes	\$14.13	\$14.13	ac

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408	Spreading small area	Spreading Small Areas	Yes	\$34.50	\$34.50	ac
409	Seeding/Conv	Seeding - Conventional or No-till Drill or Planter	Yes	\$40.91	\$40.91	ac
410	Air Seeding	Air Seeding	Yes	\$8.10	\$8.10	ac
411	Seeding/Small area	Vendor Seeding - Small Areas	Yes	\$72.44	\$72.44	ea
412	PrCordgrasHandplant	Planting prairie cordgrass - container	Yes	\$88.00	\$88.00	ac
413	PrCordgrasMachplant	Planting prairie cordgrass - rhizomes	Yes	\$90.00	\$90.00	ac
414	Sprigging	Sprigging	Yes	\$53.00	\$53.00	ac
415	MulchAnchor/Manual	Mulch Anchor (netting)	Yes	\$0.82	\$0.82	sq yd
416	Mulch Manufactured	Mulch Manufactured (synthetic material)	Yes	\$1.53	\$1.53	sq yd
417	Mulch Natural	Mulch Natural	Yes	\$285.56	\$285.56	ac
807	SplitBeardSeedWRP	Split Beard Seed - WRP Sand Prairie Restoration	No	\$55.00	\$55.00	lb
917	GntCaneRtball	Giant Cane Rootball	Yes	\$1,026.69	\$1,026.69	ac
918	PellLime (ENM)	Pelletized Lime	Yes	\$0.45	\$0.45	lb
Compnm SWCD TREES						

TREES

424	Cuttings	Cuttings	No	\$0.33	\$0.33	ea
432	Conifers-commercial	Conifers (Commercial)	No	\$0.50	\$0.50	tree
433	DirectSeed-conifer	Direct Seeding - Conifer	Yes	\$150.00	\$150.00	ac
434	HandPlant-conifer	Hand Planting - Conifer	Yes	\$0.85	\$0.85	tree
435	Container Trees	Container Trees	No	\$11.18	\$11.18	tree
436	Plant/Container	Planting Container trees/shrubs	Yes	\$8.00	\$8.00	ea
437	Hardwoods	Hardwoods	No	\$0.38	\$0.38	tree
438	Hdwoods-commercial	Hardwoods (Commercial)	No	\$0.85	\$0.85	tree
439	DirectSeedingHdwood	Direct Seeding - Hardwoods	Yes	\$250.00	\$250.00	ac
440	HandPlant-Hdwoods	Hand Planting - Hardwoods/shrubs	Yes	\$0.78	\$0.78	ea
441	MachPlantTrees/shrub	Machine Planting trees/shrubs	Yes	\$0.48	\$0.48	ea
442	Shrubs	Shrubs	No	\$0.34	\$0.34	ea
446	SlowReleaseFert	Slow release fertilizer	No	\$0.12	\$0.12	tree
447	TreeBerm-Rice Plow	Tree Berm (Rice Plow)	Yes	\$30.00	\$30.00	ac
337	Edgefeathering	Edgefeathering for Wildlife	Yes	\$788.00	\$788.00	ac
680	Downed Tree Structure	Downed Tree Structure	Yes	\$182.65	\$182.65	ea
Compnm SWCD WETLAND COMPONENTS						

WETLAND COMPONENTS

545	InlineCtrlStrc6X4	Inline Water Control Structure 6" dia x 4' ht.	Yes	\$827.40	\$827.40	ea
546	InlineCtrlStrc6X5	Inline Water Control Structure 6" dia x 5' ht.	Yes	\$880.95	\$880.95	ea
547	InlineCtrlStrc6X6	Inline Water Control Structure 6" dia x 6' ht.	Yes	\$932.40	\$932.40	ea
558	InlineCtrlStrc8X4	Inline Water Control Structure 8" dia x 4' ht.	Yes	\$889.35	\$889.35	ea
559	InlineCtrlStrc8X5	Inline Water Control Structure 8" dia x 5' ht.	Yes	\$991.94	\$991.94	ea
560	InlineCtrlStrc8X6	Inline Water Control Structure 8" dia x 6' ht.	Yes	\$1,030.05	\$1,030.05	ea
582	InlineCtrlStrc12X2	Inline Water Control Structure 12" dia (or 14" weir) x 2' ht.	Yes	\$872.55	\$872.55	ea

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583	InlineCtrlStrc12X3	Inline Water Control Structure 12" dia (or 14" weir) x 3' ht.	Yes	\$972.30	\$972.30	ea
584	InlineCtrlStrc12X4	Inline Water Control Structure 12" dia (or 14" weir) x4' ht.	Yes	\$1,071.00	\$1,071.00	ea
585	InlineCtrlStrc12X5	Inline Water Control Structure 12" dia (or 14" weir) x 5' ht.	Yes	\$1,213.54	\$1,213.54	ea
586	InlineCtrlStrc12X6	Inline Water Control Structure 12" dia (or 14" weir) x 6' ht.	Yes	\$1,317.17	\$1,317.17	ea
595	InlineCtrlStrc15X2	Inline Water Control Structure 15" dia (or 18" weir) x 2' ht	Yes	\$1,071.28	\$1,071.28	ea
596	InlineCtrlStrc15X3	Inline Water Control Structure 15" dia (or 18" weir) x 3' ht	Yes	\$1,212.40	\$1,212.40	ea
597	InlineCtrlStrc15X4	Inline Water Control Structure 15" dia (or 18" weir) x 4' ht	Yes	\$1,354.62	\$1,354.62	ea
598	InlineCtrlStrc15X5	Inline Water Control Structure 15" dia (or 18" weir) x 5' ht	Yes	\$1,496.84	\$1,496.84	ea
599	InlineCtrlStrc15X6	Inline Water Control Structure 15" dia (or 18" weir) x 6' ht	Yes	\$1,639.07	\$1,639.07	ea
608	InlineCtrlStrc18X2	Inline Water Control Structure 18" dia (or 22" weir) x 2' ht	Yes	\$1,305.26	\$1,305.26	ea
609	InlineCtrlStrc18X3	Inline Water Control Structure 18" dia (or 22" weir) x 3' ht	Yes	\$1,478.76	\$1,478.76	ea
610	InlineCtrlStrc18X4	Inline Water Control Structure 18" dia (or 22" weir) x 4' ht	Yes	\$1,651.13	\$1,651.13	ea
611	InlineCtrlStrc18X5	Inline Water Control Structure 18" dia (or 22" weir) x 5' ht	Yes	\$1,757.73	\$1,757.73	ea
612	InlineCtrlStrc18X6	Inline Water Control Structure 18" dia (or 22" weir) x 6' ht	Yes	\$1,995.87	\$1,995.87	ea
620	InlineCtrlStrc24X3	Inline Water Control Structure 24" dia (or 29" weir) x 3' ht	Yes	\$1,768.35	\$1,768.35	ea
621	InlineCtrlStrc24X4	Inline Water Control Structure 24" dia (or 29" weir) x 4' ht	Yes	\$2,000.82	\$2,000.82	ea
622	InlineCtrlStrc24X5	Inline Water Control Structure 24" dia (or 29" weir) x 5' ht	Yes	\$2,233.29	\$2,233.29	ea
623	InlineCtrlStrc24X6	Inline Water Control Structure 24" dia (or 29" weir) x 6' ht	Yes	\$2,464.63	\$2,464.63	ea
628	ConcCtrlStrc18or24X5	Concrete pre-fab water control structure 18" or 24"x5' (or equiv.)	Yes	\$4,920.00	\$4,920.00	ea
629	ConcCtrlStrc18or24X6	Concrete pre-fab water control structure 18" or 24"x6' (or equiv.)	Yes	\$5,640.00	\$5,640.00	ea
630	ConcCtrlStrc18or24X7	Concrete pre-fab water control structure 18" or 24"x7' (or equiv.)	Yes	\$6,360.00	\$6,360.00	ea
631	InCtrlStrcFlpGt4-8	Inline Water Control Structure Internal Flap Gate 4"-8"	Yes	\$72.00	\$72.00	ea
632	InCtrlStrcFlpGt10-12	Inline Water Control Structure Internal Flap Gate 10 – 12"	Yes	\$96.00	\$96.00	ea
633	InCtrlStrcFlpGt15-18	Inline Water Control Structure Internal Flap Gate 15" - 18"	Yes	\$114.00	\$114.00	ea
634	InCtrlStrcFlpGt20+	Inline Water Control Structure Internal Flap Gate 20"+	Yes	\$180.00	\$180.00	ea
635	ComboFlapGate 10"	Combination Slide & Turn-out Flap Gate 10"	Yes	\$300.00	\$300.00	ea
636	ComboFlapGate 12"	Combination Slide & Turn-out Flap Gate 12"	Yes	\$375.00	\$375.00	ea
637	ComboFlapGate 15"	Combination Slide & Turn-out Flap Gate 15"	Yes	\$440.00	\$440.00	ea
638	ComboFlapGate18"	Combination Slide & Turn-out Flap Gate 18"	Yes	\$600.00	\$600.00	ea
639	ComboFlapGate24"	Combination Slide & Turn-out Flap Gate 24"	Yes	\$755.00	\$755.00	ea
640	ComboFlapGate30"	Combination Slide & Turn-out Flap Gate 30"	Yes	\$1,000.00	\$1,000.00	ea
641	ComboFlapGate36"	Combination Slide & Turn-out Flap Gate 36"	Yes	\$1,340.00	\$1,340.00	ea
642	Slide Gate 10"	Slide Gate 10"	Yes	\$220.00	\$220.00	ea
643	Slide Gate 12"	Slide Gate 12"	Yes	\$260.00	\$260.00	ea
644	Slide Gate 15"	Slide Gate 15"	Yes	\$285.00	\$285.00	ea
645	Slide Gate 18"	Slide Gate 18"	Yes	\$400.00	\$400.00	ea
646	Water-TightFlpGt10"	Water-Tight Flap Gate 10"	Yes	\$1,141.13	\$1,141.13	ea
647	Water-TightFlpGt12"	Water-Tight Flap Gate 12"	Yes	\$1,691.86	\$1,691.86	ea
648	Water-TightFlpGt15"	Water-Tight Flap Gate 15"	Yes	\$1,430.94	\$1,430.94	ea
649	Water-TightFlpGt18"	Water-Tight Flap Gate 18"	Yes	\$2,139.82	\$2,139.82	ea
650	Water-TightFlpGt24"	Water-Tight Flap Gate 24"	Yes	\$3,039.31	\$3,039.31	ea

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651	Screw Gate 12"	Screw/Sluice/Canal Gate (seating head pressure only) 12"	Yes	\$1,246.00	\$1,246.00	ea
652	Screw Gate 15"	Screw/Sluice/Canal Gate (seating head pressure only) 15"	Yes	\$1,393.00	\$1,393.00	ea
653	Screw Gate 18"	Screw/Sluice/Canal Gate (seating head pressure only) 18"	Yes	\$1,834.00	\$1,834.00	ea
654	Screw Gate 24"	Screw/Sluice/Canal Gate (seating head pressure only) 24"	Yes	\$2,436.00	\$2,436.00	ea
655	Screw Gate 12"	Screw/Sluice/Canal Gate (seating and unseating head pressure) 12"	Yes	\$1,890.00	\$1,890.00	ea
656	Screw Gate 15"	Screw/Sluice/Canal Gate (seating and unseating head pressure) 15"	Yes	\$2,086.00	\$2,086.00	ea
657	Screw Gate 18"	Screw/Sluice/Canal Gate (seating and unseating head pressure) 18"	Yes	\$2,590.00	\$2,590.00	ea
658	Screw Gate 24"	Screw/Sluice/Canal Gate (seating and unseating head pressure) 24"	Yes	\$3,458.00	\$3,458.00	ea
660	Drop inlet elbow 6"	Drop Inlet PVC Elbow 6"	No	\$15.00	\$15.00	ea
661	Drop inlet elbow 8"	Drop Inlet PVC Elbow 8"	No	\$35.00	\$35.00	ea
662	Drop inlet elbow 10"	Drop Inlet PVC Elbow 10"	No	\$60.00	\$60.00	ea
663	Drop inlet elbow 12"	Drop Inlet PVC Elbow 12"	No	\$70.00	\$70.00	ea
664	WeirBx30"wX32"dX24"h	Weir Box 30"w x 32"d x 24"h	Yes	\$391.18	\$391.18	ea
665	WeirBx30"wX32"dX30"h	Weir Box 30"w x 32"d x 30"h	Yes	\$356.84	\$356.84	ea
666	WeirBx30"wX32"dX36"h	Weir Box 30"w x 32"d x 36"h	Yes	\$438.00	\$438.00	ea
667	WeirBx36"wX38"dX36"h	Weir Box 36"w x 38"d x 36"h	Yes	\$552.53	\$552.53	ea
668	WeirBx40"wX42"dX36"h	Weir Box 40"w x 42"d x 36"h	Yes	\$440.00	\$440.00	ea
669	PlstcWeirRiser36X18	Plastic Weir Riser 36" X 18"	Yes	\$555.00	\$555.00	ea
670	PlstcWeirRiser48X24	Plastic Weir Riser 48" X 24"	Yes	\$910.00	\$910.00	ea
671	PlstcGsktdRiser21X15	Plastic Gasketed Riser 21" X 15"	Yes	\$340.00	\$340.00	ea
672	PlstcGsktdRiser24X18	Plastic Gasketed Riser 24" X 18"	Yes	\$700.00	\$700.00	ea
676	Anchors	Anchors	No	\$12.00	\$12.00	diam in
811	ConcreteManWCS4'dia3'tall	Concrete Manhole Water Control Structure 4' dia. X 3' tall	Yes	\$2,553.00	\$2,553.00	ea
812	ConcreteManWCS4'dia4'tall	Concrete Manhole Water Control Structure 4' dia. X 4' tall	Yes	\$2,710.00	\$2,710.00	ea
813	ConcreteManWCS4'dia5'tall	Concrete Manhole Water Control Structure 4' dia. X 5' tall	Yes	\$2,886.00	\$2,886.00	ea
814	ConcreteManWCS4'dia6'tall	Concrete Manhole Water Control Structure 4' dia. X 6' tall	Yes	\$3,052.50	\$3,052.50	ea
815	ConcreteManWCS5'dia3'tall	Concrete Manhole Water Control Structure 5' dia. X 3' tall	Yes	\$3,300.00	\$4,050.00	ea
816	ConcreteManWCS5'dia4'tall	Concrete Manhole Water Control Structure 5' dia. X 4 tall	Yes	\$3,496.50	\$4,150.00	ea
817	ConcreteManWCS5'dia5'tall	Concrete Manhole Water Control Structure 5' dia. X 5' tall	Yes	\$3,885.00	\$4,250.00	ea
818	ConcreteManWCS5'dia6'tall	Concrete Manhole Water Control Structure 5' dia. X 6' tall	Yes	\$4,051.50	\$4,350.00	ea
819	FlapgateWeirBoard4'wide	Flapgate Weir Board 4' wide	Yes	\$444.00	\$444.00	ea
820	FlapgateWeirBoard5'wide	Flapgate Weir Board 5' wide	Yes	\$555.00	\$555.00	ea
OTHER COMPONENTS						
690	Straw Bale	Straw Bale (small square bale)	No	\$3.40	\$3.40	ea
691	SmEquipMobilFee	Small Equipment Mobilization Fee	Yes	\$153.33	\$153.33	ea
692	MedEquipMobilFee	Medium Equipment Mobilization Fee	Yes	\$304.75	\$304.75	ea
693	HvyEquipMobilFee	Heavy Equipment Mobilization Fee	Yes	\$430.50	\$430.50	ea
EMERGENCY ASSISTANCE						
	Backhoe	Backhoe (712 ECP)	Yes	\$86.88	\$86.88	hr

*Adjusted Cost for FFY 2015 were made as follows:
 IF percent change \geq 5% use FFY2014 cost,
 OR actual cost based on recent quotes,
 OR costs from standardized state actual cost database

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	Dozer	Dozer	Yes	\$122.21	\$122.21	hr
702	Track Hoe	Track Hoe	Yes	\$140.00	\$140.00	hr

Component Cost Update Components

Main Menu

Earthmoving

Code	Component	Units	Definiton
912	Grading & Shaping CAT - ACEP-WRE	ac	Grading & Shaping CAT - WRP(ac) - The cost of using light and medium equipment to smooth out small gullies in preparation for seeding critical area treatment (CAT). Mobilization of equipment is included in this cost. This practice is used for repairs (levee repairs) and Spoil Bank Water Management Feature (915) in which compaction and shaping is necessary.
6	Levee Removal	cu yd	Levee Removal (cu yd) - The cost for all machinery and labor required to remove a levee and spoil the soil on the surrounding area. Cost includes mobilization of equipment. UPDATED UNITS 2/2012
913	Wetland Creative Borrow - ACEP-WRE	cu yd	Wetland Creative Borrow - WRP (cu yd) - The cost of all machinery and labor required to create shallow water areas by excavation. Mobilization of equipment is included in this cost. Average haul distance between excavation and disposal area is less than 800 feet. The borrow material is not used as paid earthfill under another component. This practice is usually used for macrotopography or scroll work that exceeds borrow for dirtwork involving levees or spoil banks. The excavated dirt is often spoiled off to the side.
677	Levee (Water management)	cu yd	Levee (water management) (cu yd) - The cost of earthmoving, earth placement, compactive effort, pipe backfill, structure backfill, final grading to a close tolerance, other excavation, and labor required to build a low height levee. The cost includes mobilization of equipment and the stripping of top soil from the foundation area. <u>This practice does not include cost of clearing vegetation.</u> Measurement and pay limits are: a) lower limit is the original ground line as it existed prior to the start of construction operations, b) upper and lateral limits are the specified neat lines of the constructed surface of the levee. A typical application is for wetland restoration. Grading and Shaping CAT - WRP (912) is not applicable to this practice.
914	Spoil Bank - Habitat Feature	cu yd	Spoil Bank Habitat Feature (cu yd) - The cost of all machinery and labor required to stack and form soil to create spoils or "habitat mounds" for wildlife habitat in wetlands. Mobilization of equipment is included in this cost. Typically, no compaction is necessary for these spoils or habitat mounds because structurally they do not hold water. They are simply a habitat feature within a pool. Grading and Shaping CAT - WRP (912) is <u>not</u> applicable to this practice.
915	Spoil Bank - Water Management Feature	cu yd	Spoil Bank Water Management Feature (cu yd) - The cost of all machinery and labor required to stack and compact and form spoil banks or elongated mounds that typically emulate old river banks and function by holding water and creating a pool. Mobilization of equipment is included in this cost. Typically, tolerances for top elevations and side slopes are less than Levee (Water Management - 677). Water control structures may be used in conjunction with this practice. Grading and Shaping CAT - WRP (912) is applicable to this practice.
907	Spoil Spreading - Spreading only	ft	The cost of disposing of surplus excavated materials on sites where spoil material is available from excavation of channels, drainage ditches, irrigation canals, or other construction sites. Cost includes mobilization of equipment and spreading only where the ditch has been excavated and cast along the bank.
918	Excavation of Ditch	cu yd	The removal of excess siltation from an existing ditch or drainage channel; typically an emergency situation. Mobilization of equipment is included in this cost. Excess fill can be stockpiled along ditch as directed. Spoil Spreading (907) is not included in this practice.

General Construction Material

Code	Component	Units	Definiton
41	Drain Tile Removal	ft	Drain Tile Removal (ft) - The cost for all machinery and labor required to dig up and remove drain tile from a field in preparation for wetland restoration.

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51	Gravel	ton	Gravel (ton) - The cost of one ton of 3" minus gravel delivered and placed. If practice design calls for medium filter material or medium drainfill, use Medium Filter material cost item in lieu of Gravel cost item.
52	Rock 3in. - 6in.	ton	Rock 3" to 6" (ton) - The cost of one ton of rock cobbles 3" to 6" in size delivered and placed.
53	Rip-rap	ton	Rip-rap (ton) - The cost of one ton of rock riprap greater than 6" in size delivered and placed.
55	Concrete (flat work)	cu yd	Concrete (flat work) (cu yd) - The cost of all materials, rebar, gravel, concrete, normal delivery, and labor required to form, place and finish one cubic yard of concrete flat work. Use for slabs-on-grade and similar non-structural flatwork.
56	Concrete (structural)	cu yd	Concrete (structural) (cu yd) - The cost of all materials, rebar, gravel, concrete, normal delivery, and labor required to form, place and finish one cubic yard of concrete structural work. Use for footings, foundations, walls, structural slabs (e.g. manure ramps and slabs over pits) and similar structural elements.
63	Geotextile Fabric Light	sq yd	Geotextile Fabric (sq yd) - The cost of geotextile fabric, shipping, labor and equipment costs associated with placing the material on site. Light is less than 14 oz. Heavy is equal to or greater than 14 oz.
64	Geotextile Fabric Heavy	sq yd	Geotextile Fabric (sq yd) - The cost of geotextile fabric, shipping, labor and equipment costs associated with placing the material on site. Light is less than 14 oz. Heavy is equal to or greater than 14 oz.
70	Trenching and Backfilling <12in. Pipe or tubing	ft	Trenching and Backfilling <12"(ft) - The cost of digging a trench in which to lay pipe less than 12" in diameter and backfilling over pipe.
71	Trenching and Backfilling >=12in. Pipe or tubing	ft	Trenching and Backfilling >=12"(ft) - The cost of digging a trench in which to lay pipe greater than or equal to 12" in diameter and backfilling over pipe.

Pipe & Appurtenances

Code	Component	Units	Definiton
126	New Smooth Steel Pipe 12in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
127	New Smooth Steel Pipe 14in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
128	New Smooth Steel Pipe 16in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
129	New Smooth Steel Pipe 18in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
130	New Smooth Steel Pipe 20in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
916	New Smooth Steel Pipe 22in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2008.

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131	New Smooth Steel Pipe 24in. (3/8in. thick)	ft	New Smooth Steel Pipe (ft) - The cost of 3/8" thick new SSP. Price includes delivery, placement and welding charges. Any fittings should also be included. This item is eligible for cost share only when new material is REQUIRED by the standard/specification. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
160	Schedule 40 PVC 6in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
161	Schedule 40 PVC 8in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
162	Schedule 40 PVC 10in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
163	Schedule 40 PVC 12in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
167	Schedule 40 PVC 14in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
168	Schedule 40 PVC 16in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
165	Schedule 40 PVC 18in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
166	Schedule 40 PVC 24in	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
193	SDR 35 PVC 6in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
194	SDR 35 PVC 8in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
195	SDR 35 PVC 10in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.

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196	SDR 35 PVC 12in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
197	SDR 35 PVC 15in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
198	SDR 35 PVC 18in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
199	SDR 35 PVC 24in.	ft	PVC Pipe (ft) – The cost of PVC pipe per foot delivered. All pipe must meet the minimums specified in the standards and specs. SDR and schedule is specified as a guide. Any equivalent pipe may be substituted. Price includes delivery charges, fittings, connectors and placement. Does not include cost of excavation, trenching or backfilling. DEFINITION UPDATED 8/2006.
254	Animal Guard 6in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
255	Animal Guard 8in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
256	Animal Guard 10in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
257	Animal Guard 12in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
258	Animal Guard 15in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
259	Animal Guard 18in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
260	Animal Guard 24in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
261	Animal Guard 30in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
262	Animal Guard 36in.	ea	Animal Guards (ea) - The cost of all materials, shipping, and labor required to purchase and install one animal guard at the size specified. To be cost shared on separately only when not included in the cost of another component. Such as at the end of pond pipe. Not to be used with Horizontal Outlets.
263	Anti Seep Collar, plastic	sq ft	Anti seep collar plastic (sq ft) - The cost of all materials, shipping, and labor required to purchase and install one plastic anti seep collar.

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278	Plate Steel 3/16in. thick	sq ft	Plate Steel (sq ft) - Is the cost of one square foot of steel at the corresponding thickness delivered, placed and welded. Use for steel anti-seep collars, anti-vortex devices and base plates.
279	Plate Steel 1/4in. thick	sq ft	Plate Steel (sq ft) - Is the cost of one square foot of steel at the corresponding thickness delivered, placed and welded. Use for steel anti-seep collars, anti-vortex devices and base plates.
280	Plate Steel 3/8in. thick	sq ft	Plate Steel (sq ft) - Is the cost of one square foot of steel at the corresponding thickness delivered, placed and welded. Use for steel anti-seep collars, anti-vortex devices and base plates.
313	Trash Guard (Fabricated small)	ft	Trash Guard Fabricated small (ft) - Includes the cost of a trash guard needed for safety reasons on principle spillway pipe or drop structures also include labor cost. Usually fabricated from steel posts and cattle panels. Unit is feet of length of cattle panel. Small is for pipes up to 15" in diameter. Not to be used with UGO's.
314	Trash Guard (Fabricated large)	ft	Trash Guard Fabricated large (ft) - Includes the cost of a trash guard needed for safety reasons on principle spillway pipe or drop structures also include labor cost. Usually fabricated from wooden posts and cattle panels. Unit is feet of length of cattle panel. Large is for pipes 16"-24" in diameter. Not to be used with UGO's.

Removal/Suppression of Unwanted Species

Code	Component	Units	Definiton
316	Invasive Species Eradication	ac	Invasive Species Eradication (ac)- Is the average cost for chemicals and labor to eradicate Invasive Species using a selective herbicide, medium discing (2 in spring, 1 in fall) during active growth period. Overseeding with wheat in fall 1.5 bu /ac. This component can be applied by grid, spot or entire field treatment. Cost share available only on ACTUAL acres sprayed. (for example if grid or spot spraying only pay for the % of infestation, if spraying whole field pay for all acres). Prescribed burning in the spring may also assist prior to spraying herbicide.
320	Cultipacking, Rolling, or Harrowing	ac	Cultipacking, Rolling, or Harrowing (ac) - The cost of one pass with a cultipacker, roller, harrow or similar purpose equipment, to prepare site for seeding or to firm in seed that has been broadcast on the surface. This price should be per trip.
321	Site Prep Cropland Light Chemical	ac	Site Prep Cropland Light-Chemical (ac) - Includes the cost of a single chemical activity and single application to reduce vegetative competition on cropland to prepare for seeding or tree planting. The costs associated with this include labor, equipment and the chemical.
322	Site Prep Cropland Light Mechanical	ac	Site Prep Cropland Light-Mechanical (ac) - Includes the cost of a single mechanical activity such as mowing, or disking a field one time to reduce vegetative competition on cropland to prepare for seeding or tree planting. The costs associated with this include labor and equipment.
324	Site Prep Cropland Medium - Mechanical	ac	Site Prep Cropland Medium-Mechanical (ac) - Includes the cost of a multiple mechanical activity, or multiple passes, such as plowing, mowing, or disking to reduce vegetative competition on cropland to prepare for seeding or tree planting. The costs associated with this include labor and equipment.
325	Site Prep Non-Cropland Light - Chemical	ac	Site Prep Non-cropland Light-Chemical (ac) - Includes the cost of a single chemical activity to reduce vegetative competition on non-cropland to prepare for seeding or tree planting. The costs associated with this include labor and equipment. The cost on non-cropland is higher due to heavier rate of application.
326	Site Prep Non-Cropland Light - Mechanical	ac	Site Prep Non-cropland Light-Mechanical (ac) - Includes the cost of a single activity such as disking, or light woody removal to reduce vegetative competition on non-cropland to prepare for seeding or tree planting. The costs associated with this include labor and equipment. The cost on non-cropland is higher due to heavier rate of application.
328	Site Prep Non-Cropland Medium - Mechanical	ac	Site Prep Non-cropland Medium - Mechanical(ac) - Includes the cost of multiple activities, or multiple passes, such as plowing, disking, or moderate woody removal to reduce vegetative competition on non-cropland to prepare for seeding or tree planting. The costs associated with this include labor and equipment. The cost on non-cropland is higher due to heavier rate of application.
329	Site Prep Non-Cropland Heavy	ac	Site Prep Non-cropland Heavy (ac) - Includes the cost of multiple activities that include the use of heavy equipment and extensive woody removal to reduce vegetative competition on non-cropland to prepare for seeding or tree planting. The costs associated with this include labor and equipment.
330	Site Prep Ripping / Sub-Soiling	ac	Site Prep Ripping/Sub-Soiling (ac) - Includes the cost for machinery and labor required to break up restrictive layers in soils with deep ripping.

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333	Weed Control for Shrubs	shrub	Weed control for Shrubs (shrub) - Includes the cost of using chemicals, machines or mulch to control weeds around shrubs after shrub planting.
334	Weed Control for Trees	tree	Weed control for Trees (tree) - Includes the cost of using chemicals, machines or mulch to control weeds around trees after tree planting.
806	Mowing During Establishment Period	ac	Mowing During Establishment Period (ac) - To control weed growth during the establishment phase of a planned seeding. NEW COMPONENT AND DEFINITION ADDED 8/2006
919	Clearing Light - ACEP-WRE	ac	Includes the cost of all machinery and labor required to clear herbaceous vegetation and scattered seedling trees and shrubs on a per acre basis where a conservation practice will be built. Typically, will involve a small sized rubber tired tractor with a disk or mower. Disk or mower is capable of chopping and distributing the vegetation such that gathering and disposal is not necessary. <u>This item is not applicable to tree planting or herbaceous establishment conservation practices.</u>
920	Clearing Medium - ACEP-WRE	ac	Includes the cost of all machinery and labor required to clear, grub, gather and dispose of woody encroachment comprising predominantly of sapling trees and shrubs. Trees no larger than 4" dbh and scattered herbaceous growth on a per acre basis where a conservation practice will be built. Typically, will involve a medium sized rubber tired tractor or a medium sized tracked equipment with heavy duty disk, heavy duty mower, blade or shear blade.
921	Clearing Heavy - ACEP-WRE	ac	Includes the cost of all machinery and labor required to clear, grub, gather and dispose of woody encroachment comprising predominantly of shrubs, trees with dbh > 4" and with little presence of herbaceous growth on a per acre basis where a conservation practice will be built. Typically, will involve large sized rubber tired equipment or large sized tracked equipment with blade or shear blade.

Seed & Seeding

Code	Component	Units	Definiton
341	Alsike Clover	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
342	Ladino Clover	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
344	Alfalfa	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
349	Canada or Virginia Wildrye	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
351	Orchardgrass	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
352	Redtop	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
354	Smooth Bromegrass	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
357	Tall Fescue (fungus free)	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
358	Timothy	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
362	Big Bluestem	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
364	Eastern Gamagrass	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
365	Indiangrass	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.

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366	Little Bluestem	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
367	Prairie Cordgrass (Spartina pectinata) seed	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
368	Prairie Cordgrass (Spartina pectinata) containers	ea	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
369	Prairie Cordgrass (Spartina pectinata) rhizomes	ea	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
370	Prairie Drop Seed	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
371	Sideoats Grama	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
372	Switchgrass	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
373	Oats	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
374	Wheat	lb	Seed (lb) - Includes the cost of one pound of pure live seed only, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds.
381	Temporary cover - Seed	ac	Temporary cover - Seed (ac) - The cost of the seed required to plant on acre of temporary cover.
382	CSG Critical Area Planting - Seed	ac	CSG Critical Area Planting - Seed (ac) - The cost of the PLS required to plant one acre of Cool season grass using the average rates listed in the Critical Area Standard.
383	CSG/Legume mix Critical Area Planting - Seed	ac	CSG/Legume mix Critical Area Planting - Seed (ac) - The cost of the PLS required to plant one acre of Cool season grass mixed with legumes using the average rates listed in the Critical Area Standard.
384	WSG Critical Area Planting - Seed	ac	WSG Critical Area Planting - Seed (ac) - The cost of the PLS required to plant one acre of Warm season grass using the average rates listed in the Critical Area Standard.
385	WSG/Legume mix Critical Area Planting - Seed	ac	WSG/Legume mix Critical Area Planting - Seed (ac) - The cost of the PLS required to plant one acre of Warm season grass mixed with legumes using the average rates listed in the Critical Area Standard.
386	Pollinator Planting - Forb mix	ac	Seed (ac) - The cost PLS required to plant one acre of a native forbs and grass mix to provide pollinator habitat. Planting forbs for pollinators is recommended at a rate of 5 lbs per acre. Refer to 645 conservation practice standard Upland Wildlife Habitat Management for native forbs mix for pollinators (Table 1).
396	WSG - Restoration and Management of Rare or Declining Habitats	ac	Seed (ac) - The cost PLS required to plant one acre of MO Source Identified herbaceous cover to restore prairie herbaceous vegetation. MO Source Identified grasses and/or forbs are required. Payment incorporates 4 lbs per acre of MO Source Identified ecotype grass seed and 3 lbs per acre of MO Source Identified ecotype forbs seed. See the 643 conservation practice standard Restoration and Management of Rare or Declining Habitats.
398	Pollinator Planting - MO Source Identified Forbs	ac	Seed (ac) - The cost PLS required to plant one acre of MO Source Identified Forbs to provide pollinator habitat. Cost is on a per pound basis and only includes the cost of the MO Source Identified Forbs seed and associated grass. Planting forbs for pollinators is recommended at a rate of 5 lbs per acre. Refer to 645 conservation practice standard Upland Wildlife Habitat Management for native forbs mix for pollinators (Table 1).
971	FORBS - non- Ecotype	ac	

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401	Lime (ENM)	100 lb	Lime (100 lbs) - The cost of lime for correction of pH for vegetative establishment. This will include the cost of lime per one hundred pounds of Effective Neutralizing Material (ENM), delivered and placed. To figure the cost share find the amount of ENM divide by 100. Multiply the result times the average cost. For instance if 400 lbs ENM were required and the average cost is \$0.5125/100lbs ENM, do the following calculations: $400/100 = 4.0 * \$0.5125 = \$2.09/100lb$. DEFINITION UPDATED 8/2006
402	Nitrogen (N)	lb	Nitrogen (N) (lb) - The cost of nitrogen (N) for vegetation establishment, during the establishment year only.
403	Phosphate (P2O5)	lb	Phosphate (P2O5) (lb) - The cost of phosphate (P2O5) for vegetation establishment, during the establishment year only.
404	Potash (K2O)	lb	Potash (K2O) (lb) - The cost of potash (K2O) for vegetation establishment, during the establishment year only.
405	Blanket Fertilizer & Lime (Cool Season Grass)	ac	Blanket Fertilizer and Lime (for Critical Area Cool Season Recommendation) (ac) - Includes the cost of a standard fertilizer and lime recommendation for cool season grasses (60-90-90) when no soil test is required. Cost includes lime and fertilizer delivered and applied.
406	Blanket Fertilizer & Lime (Warm Season Grass)	ac	Blanket Fertilizer and Lime (for Critical Area Warm Season Recommendation) (ac) - Includes the cost of a standard fertilizer and lime recommendation warm season grasses (30-90-90) when no soil test is required. Cost includes lime and fertilizer delivered and applied.
407	Spreading	ac	Spreading (ac) - Includes the cost of all machinery and labor required to spread fertilizer, and/or seed. Cost should be calculated per trip over entire acre, not per item. Use this item for seeding when using the broadcasting method.
408	Spreading Small Areas	ac	Spreading small areas (ac) - Includes the cost of all machinery and labor required to spread fertilizer, and/or seed in small areas. Cost should be calculated per trip over entire acre, not per item. Use this item for seeding when using the broadcasting method. Cost should account for more labor than the above item due to safety concerns and more turn arounds. Small areas are 5 acres or less.
409	Seeding - Conventional or No-till Drill or Planter	ac	Seeding - Conventional or No-till -Drill or Planter (ac) - The cost of using equipment to seed grasses or grains. Includes the cost of labor, fuel and conventional equipment.
410	Air Seeding	ac	Air Seeding (ac) - Includes the cost of all machinery and labor required when using an air flow fertilizer spreader. An air flow fertilizer spreader is commonly a four wheeled machine that uses air pressure to blow seed and fertilizer on the ground. Better contact is made with this seeding method than with the broadcasting method.
411	Vendor Seeding - Small Areas	ea	Vendor Seeding - Small Areas (ea) Is the average cost for a vendor seeded small area. This item may be used when vendors charge a minimum fee for seeding, or renting equipment for seeding, small areas such as pond dams, waterways, critical area treatment or other similar situations. Small area size is set by the vendor. Actual cost must be incurred to use this component.
412	Planting prairie cordgrass - container	ac	Planting prairie cordgrass - container (ac) - The cost of planting 55 1 gallon prairie cordgrass containers (each gallon should be quartered equaling 220 plants) per acre using an auger or similar device.
413	Planting prairie cordgrass - rhizomes	ac	Planting prairie cordgrass - rhizomes (ac) - The cost of planting 110 prairie cordgrass rhizomes using a tree planter.
414	Sprigging	ac	Sprigging (ac) - The cost of planting sprigs such as bermudagrass. DEFINITION UPDATED 8/2006.
415	Mulch Anchor (netting)	sq yd	Mulch Anchor (netting) (sq yd) - Includes the cost of mulch anchor netting (484 Mulching), and the labor and equipment costs associated with placing and fixing the material to the site.
416	Mulch Manufactured	sq yd	Mulch (sq yd) - Includes the cost of all materials and labor needed to adequately mulch one acre using manufactured mulch, according to standard 484 Mulching.
417	Mulch Natural	ac	Mulch (ac) - Includes the cost of all materials and labor needed to adequately mulch one acre using natural mulch, according to standard 484 Mulching.
807	Split Beard Seed for WRP Sand Prairie Restorations	lb	Split Beard Seed for WRP Sand Prairie Restorations (lb) - Includes the cost of one pound of pure live seed, based on a current seed analysis in compliance with the Missouri Seed Law. The companion crop seed is in bulk pounds. This component is approved for Sand Prairie Restorations on WRP tracts located in Dunklin, Pemiscot, New Madrid, Mississippi, Scott, Stoddard, Bollinger, Butler and Ripley Counties. NEW COMPONENT AND DEFINITION ADDED 8/2006.

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917	Giant Cane Rootball Planting - Cane Break	ac	Giant Cane Rootball planting for restoring Canebreaks (ac) - Includes the cost site preparation (discing or mowing), planting 98 rootballs using a backhoe in cropland, pasture and underplanting in existing timber. To include shipping and handling of plants on site and two years mowing after planting to reduce competition. The planting technique is described in NRCS MOFOTG "Restoration and Management of Rare or Declining Habitats (643)". This component is approved for Canebreak restorations on WRP tracts located in Perry, Madison, Reynolds, Carter, Ripley, Butler, Wayne, Bollinger, Cape Girardeau, Scott, Stoddard, Dunklin, New Madrid, Mississippi and Pemiscot counties.
918	Pelletized Lime	lb	Application of pelletized lime for small areas in Critical Area Treatment or Vegetation Establishment, Herbaceous seeding or for cover crops. Area will be larger than 1/10 acre. If the ENM required is 600 pounds or less, the practice can be waived.

Trees

Code	Component	Units	Definiton
424	Cuttings	ea	Cuttings (ea) - The cost for cuttings used for tree plantings. Cost includes shipping.
432	Conifers (Commercial)	tree	Conifers (Commercial) (tree) - Includes the cost of the bare root conifer seedlings from a commercial nursery.
433	Direct Seeding - Conifer	ac	Direct Seeding - Conifer (ac) - Includes the cost of conifer seed, labor and equipment to complete the planting operation.
434	Hand Planting - Conifer	tree	Hand Planting - Conifer (tree) Includes the cost of labor to walk from point to point to place woody trees in the ground.
435	Container Trees	tree	Container Trees (tree) - The cost of one 3 gallon container tree. Cost includes price of tree and average shipping charges.
436	Planting Container trees/shrubs	ea	Planting Container trees/shrubs (ea) - Includes the cost of all materials and labor required to plant one 3 gallon container tree.
437	Hardwoods	tree	Hardwoods (tree) - Includes the cost of the bare root seedlings from a state nursery.
438	Hardwoods (Commercial)	tree	Hardwoods (Commercial) (tree) - Includes the cost of the bare root seedlings from a commercial nursery.
439	Direct Seeding - Hardwoods	ac	Direct Seeding - Hardwoods (ac) - Includes the cost of hardwood seed, labor and equipment to complete the planting operation.
440	Hand Planting - Hardwoods/shrubs	ea	Hand Planting - Hardwoods/shrubs (ea) The cost of labor to walk from point to point to place woody trees in the ground.
441	Machine Planting trees/shrubs	ea	Machine planting trees/shrubs (ea) - Includes the cost of labor and equipment to use mechanized machinery to move from point to point to place woody species in the ground.
442	Shrubs	ea	The price for shrubs to include shipping and handling
446	Slow release fertilizer	tree	Slow Release Fertilizer (tree) - Includes the cost of slow release fertilizer packets.
447	Tree Berm (Rice Plow)	ac	Tree Berm (Rice Plow) (ac) - Includes the cost of all machinery and labor required to create a berm for tree planting. A rice plow is commonly used for this operation.
337	Edge Feathering (Chainsaw or Treeshear)	ac	The creation of "edge" habitat along woodland edges or fence rows, providing transition zones between open habitats and woodland habitats. Edge Feathering must be 30ftx50ft in size. (3) 30ftx50ft to equal 1 acre. Follow the 645 Upland Wildlife Habitat Standard.
680	Downed Tree Structure (DTS)	Structure	To provide an immediate and temporary source of woody cover for upland wildlife where such cover is lacking. Structures are required to be 30ftx50ft or 1500sqft and should be no more than 150ft apart of other DTS's. (3) DTS's to equal 1 acre. Follow the 645 Upland Wildlife Habitat Standard.

Wetland Components

Code	Component	Units	Definiton
545	Inline Water Control Structure 6" dia x 4' ht	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
546	Inline Water Control Structure 6" dia x 5' ht	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
547	Inline Water Control Structure 6" dia x 6' ht	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.

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619	Inline Water Control Structure 24" dia (or 29" weir) x 2' ht.	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
620	Inline Water Control Structure 24" dia (or 29" weir) x 3' ht	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
621	Inline Water Control Structure 24" dia (or 29" weir) x 4' ht	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
622	Inline Water Control Structure 24" dia (or 29" weir) x 5' ht	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
623	Inline Water Control Structure 24" dia (or 29" weir) x 6' ht.	ea	Inline Water control structures (ea) – The cost of all materials, shipping, equipment and labor to install one structure. Dimensions are by pipe diameter or weir length x structure height. Select the dimensions which are appropriate for the structure specified on the plans.
628	Concrete pre-fab water control structure 18" or 24" x 5' (or equiv.)	ea	Concrete pre-fab water control structure (ea) - The cost of purchasing, shipping, and placing concrete water control structures, commonly used in WRP sites.
629	Concrete pre-fab water control structure 18" or 24" x 6' (or equiv.)	ea	Concrete pre-fab water control structure (ea) - The cost of purchasing, shipping, and placing concrete water control structures, commonly used in WRP sites.
630	Concrete pre-fab water control structure 18" or 24" x 7' (or equiv.)	ea	Concrete pre-fab water control structure (ea) - The cost of purchasing, shipping, and placing concrete water control structures, commonly used in WRP sites.
631	Inline Water Control Structure Internal Flap Gate 4" - 8"	ea	Inline Water Control Structure Internal Flap Gate (ea) - The cost of the flap gate, shipping, and machinery and labor to install an internal flap gate.
632	Inline Water Control Structure Internal Flap Gate 10" - 12"	ea	Inline Water Control Structure Internal Flap Gate (ea) - The cost of the flap gate, shipping, and machinery and labor to install an internal flap gate.
633	Inline Water Control Structure Internal Flap Gate 15" - 18"	ea	Inline Water Control Structure Internal Flap Gate (ea) - The cost of the flap gate, shipping, and machinery and labor to install an internal flap gate.
634	Inline Water Control Structure Internal Flap Gate 20+"	ea	Inline Water Control Structure Internal Flap Gate (ea) - The cost of the flap gate, shipping, and machinery and labor to install an internal flap gate.
635	Combination Slide & Turn-out Flap Gate 10in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
636	Combination Slide & Turn-out Flap Gate 12in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
637	Combination Slide & Turn-out Flap Gate 15in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
638	Combination Slide & Turn-out Flap Gate 18in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
639	Combination Slide & Turn-out Flap Gate 24in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
640	Combination Slide & Turn-out Flap Gate 30in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
641	Combination Slide & Turn-out Flap Gate 36in.	ea	Combination Slide & Turn-out Flap Gate (ea) -The cost of all materials, shipping, and labor required to purchase and install one combo slide and turn-out flap gate. One common name is a Turn-A-Flap gate.
642	Slide Gate 10in.	ea	Slide Gate (ea) - The cost of a slide type gate used for water level control. Also includes shipping and installation.
643	Slide Gate 12in.	ea	Slide Gate (ea) - The cost of a slide type gate used for water level control. Also includes shipping and installation.
644	Slide Gate 15in.	ea	Slide Gate (ea) - The cost of a slide type gate used for water level control. Also includes shipping and installation.
645	Slide Gate 18in.	ea	Slide Gate (ea) - The cost of a slide type gate used for water level control. Also includes shipping and installation.
646	Water-Tight Flap Gate 10in.	ea	Water-Tight Flap Gate (ea) - Is the average cost of a flap gate that has a lining around the edge to allow it to seal water tight and allow no water seepage. Also include shipping and installation.

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647	Water-Tight Flap Gate 12in.	ea	Water-Tight Flap Gate (ea) - Is the average cost of a flap gate that has a lining around the edge to allow it to seal water tight and allow no water seepage. Also include shipping and installation.
648	Water-Tight Flap Gate 15in.	ea	Water-Tight Flap Gate (ea) - Is the average cost of a flap gate that has a lining around the edge to allow it to seal water tight and allow no water seepage. Also include shipping and installation.
649	Water-Tight Flap Gate 18in.	ea	Water-Tight Flap Gate (ea) - Is the average cost of a flap gate that has a lining around the edge to allow it to seal water tight and allow no water seepage. Also include shipping and installation.
650	Water-Tight Flap Gate 24in.	ea	Water-Tight Flap Gate (ea) - Is the average cost of a flap gate that has a lining around the edge to allow it to seal water tight and allow no water seepage. Also include shipping and installation.
651	Screw/Sluice/Canal Gate (seating head pressure only) 12"	ea	Screw Gate/Sluice Gate/Canal Gate (seating head pressure only) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and application will not involve any unseating head pressure (back pressure). Average price to include shipping & handling as well as installation
652	Screw/Sluice/Canal Gate (seating head pressure only) 15"	ea	Screw Gate/Sluice Gate/Canal Gate (seating head pressure only) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and application will not involve any unseating head pressure (back pressure). Average price to include shipping & handling as well as installation
653	Screw/Sluice/Canal Gate (seating head pressure only) 18"	ea	Screw Gate/Sluice Gate/Canal Gate (seating head pressure only) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and application will not involve any unseating head pressure (back pressure). Average price to include shipping & handling as well as installation
654	Screw/Sluice/Canal Gate (seating head pressure only) 24"	ea	Screw Gate/Sluice Gate/Canal Gate (seating head pressure only) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and application will not involve any unseating head pressure (back pressure). Average price to include shipping & handling as well as installation
655	Screw/Sluice/Canal Gate (seating and unseating head pressure) 12"	ea	Screw Gate/Sluice Gate/Canal Gate (seating and unseating head pressure) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and will not exceed an unseating head pressure (back pressure) of 10 feet. Average price to include shipping & handling as well as installation
656	Screw/Sluice/Canal Gate (seating and unseating head pressure) 15"	ea	Screw Gate/Sluice Gate/Canal Gate (seating and unseating head pressure) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and will not exceed an unseating head pressure (back pressure) of 10 feet. Average price to include shipping & handling as well as installation
657	Screw/Sluice/Canal Gate (seating and unseating head pressure) 18"	ea	Screw Gate/Sluice Gate/Canal Gate (seating and unseating head pressure) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and will not exceed an unseating head pressure (back pressure) of 10 feet. Average price to include shipping & handling as well as installation

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658	Screw/Sluice/Canal Gate (seating and unseating head pressure) 24"	ea	Screw Gate/Sluice Gate/Canal Gate (seating and unseating head pressure) - The cost of a self contained water control structure constructed of a cast iron frame, seated slide cover, and hand wheel; a stainless steel stem; and a brass lift nut that allows for manually raising and lowering the seated slide cover. The structure will be used when seating head pressure (face pressure) will not exceed 20 feet and will not exceed an unseating head pressure (back pressure) of 10 feet. Average price to include shipping & handling as well as installation.
659	Drop Inlet PVC Elbow 4in.	ea	Drop Inlet PVC Elbows (ea) - The cost per diameter inch for PVC elbows used in drop inlets. Base price on SDR 35 material.
660	Drop Inlet PVC Elbow 6in.	ea	Drop Inlet PVC Elbows (ea) - The cost per diameter inch for PVC elbows used in drop inlets. Base price on SDR 35 material.
661	Drop Inlet PVC Elbow 8in.	ea	Drop Inlet PVC Elbows (ea) - The cost per diameter inch for PVC elbows used in drop inlets. Base price on SDR 35 material.
662	Drop Inlet PVC Elbow 10in.	ea	Drop Inlet PVC Elbows (ea) - The cost per diameter inch for PVC elbows used in drop inlets. Base price on SDR 35 material.
663	Drop Inlet PVC Elbow 12in.	ea	Drop Inlet PVC Elbows (ea) - The cost per diameter inch for PVC elbows used in drop inlets. Base price on SDR 35 material.
664	Weir Box 30in.w x 32in.d x 24in.h	ea	Weir boxes (ea) - The cost of all materials and labor required to install one weir box at each corresponding size. Also include shipping and installation.
665	Weir Box 30in.w x 32in.d x 30in.h	ea	Weir boxes (ea) - The cost of all materials and labor required to install one weir box at each corresponding size. Also include shipping and installation.
666	Weir Box 30in.w x 32in.d x 36in.h	ea	Weir boxes (ea) - The cost of all materials and labor required to install one weir box at each corresponding size. Also include shipping and installation.
667	Weir Box 36in.w x 38in.d x 36in.h	ea	Weir boxes (ea) - The cost of all materials and labor required to install one weir box at each corresponding size. Also include shipping and installation.
668	Weir Box 40in.w x 42in.d x 36in.h	ea	Weir boxes (ea) - The cost of all materials and labor required to install one weir box at each corresponding size. Also include shipping and installation.
669	Plastic Weir Riser 36in. X 18in.	ea	Plastic Weir Riser (ea) - Is the average cost of a single plastic one sided weir box, any shipping and installation. This component can be used as a structure for water control in irrigation as well as wetland situations.
670	Plastic Weir Riser 48in. X 24in.	ea	Plastic Weir Riser (ea) - Is the average cost of a single plastic one sided weir box, any shipping and installation. This component can be used as a structure for water control in irrigation as well as wetland situations.
671	Plastic Gasketed Riser 21in. X 15in.	ea	Plastic Gasketed Riser (ea) - The cost of a single gasketed riser, any shipping and installation. This component can be used as a structure for water control in irrigation as well as wetland situations.
672	Plastic Gasketed Riser 24in. X 18in.	ea	Plastic Gasketed Riser (ea) - The cost of a single gasketed riser, any shipping and installation. This component can be used as a structure for water control in irrigation as well as wetland situations.
676	Anchors	diam in	Anchors (diam in) - The cost of screw anchors, cable and clamps used to anchor pipe to the ground in wetlands to prevent the pipe from floating.
811	Concrete Manhole Water Control Structure, 4' diam x 3' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
812	Concrete Manhole Water Control Structure, 4' diam x 4' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
813	Concrete Manhole Water Control Structure, 4' diam x 5' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
814	Concrete Manhole Water Control Structure, 4' diam x 6' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
815	Concrete Manhole Water Control Structure, 5' diam x 3' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.

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816	Concrete Manhole Water Control Structure, 5' diam x 4' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
817	Concrete Manhole Water Control Structure, 5' diam x 5' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
818	Concrete Manhole Water Control Structure, 5' diam x 6' tall	ea	Concrete Manhole Water Control Structure (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install the structure, metal grating, interior steps, wier boards and rock base. Flap gate wier board is not included in this cost. NEW COMPONENT AND DEFINITION ADDED 8/2006.
819	Flapgate Wier Board, 4' wide	ea	Flapgate Weir Board (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install a flap gate wier board for a concrete manhole water control structure. NEW COMPONENT AND DEFINITION ADDED 8/2006.
820	Flapgate Wier Board, 5' wide	ea	Flapgate Weir Board (ea) - The cost of all labor, materials and equipment required to fabricate, deliver and install a flap gate wier board for a concrete manhole water control structure. NEW COMPONENT AND DEFINITION ADDED 8/2006.

Other Components

Code	Component	Units	Definiton
690	Straw Bale	ea	Straw Bale (ea) - The cost of one bale of straw used as a straw bale sediment trap in waterways or similar practices.
691	Small Equipment Mobilization Fee	ea	Small Equipment Mobilization Fee (ea) - Cost of mobilizing a single small sized piece of equipment to complete a small scale project. Examples of small equipment includes drills, disks, mulchers, skid steers and tractors smaller than 80 Hp. Small scale projects are ones with less than 2000 CY of earthfill, less than 2,000 CY of excavation, less than 2 acres of grading and shaping or less than 2 acres of seeding and mulching. For use in WRP only when cost is incurred.
692	Medium Equipment Mobilization Fee	ea	Medium Equipment Mobilization Fee (ea) - Cost of mobilizing a single medium sized piece of equipment to complete a small scale project. Examples of medium equipment includes and tractors between 80 and 200 Hp, wheel mounted backhoes, track excavators less than 60 Hp, pull scrapers less than 8 CY and dozers less than 80 Hp. Small scale projects are ones with less than 2000 CY of earthfill, less than 2,000 CY of excavation, less than 2 acres of grading and shaping or less than 2 acres of seeding and mulching. For use in WRP only when cost is incurred.
693	Heavy Equipment Mobilization Fee	ea	Heavy Equipment Mobilization Fee (ea) - Cost of mobilizing a single large sized piece of equipment to complete a small scale project. Examples of large equipment includes Dozers larger than 80 Hp, Excavators larger than 60 Hp, pull scrapers larger than 8 CY and tractors larger than 200 Hp. Small scale projects are ones with less than 2000 CY of earthfill, less than 2,000 CY of excavation, less than 2 acres of grading and shaping or less than 2 acres of seeding and mulching. For use in WRP only when cost is incurred.

Emergency Assistance

Code	Component	Units	Definiton
695	Backhoe	hr	Emergency Conservation Program (ECP) Components (hr) - The use of a Backhoe for ememergecy repairs on a per hour basis.
702	Track Hoe	hr	Emergency Conservation Program (ECP) Components (hr) - The use of a Track Hoe for emergency repairs on a per hour basis.