

ADMINISTRATIVE/OFFICE & OTHER CITY-OWNED NATURAL FEATURES PROJECTS

Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Administrative Costs	Project Administration and Coordination, Permitting and Reporting	N/A	TBD	TBD	\$14,500.00
Geographic Information Systems Database Management	ArcGIS online data management	N/A	TBD	TBD	\$3,500.00
Monitoring and Assessment	Quantitative monitoring framework and data collection. Completion of management plan.	N/A	TBD	TBD	\$13,500.00
City-Wide Phragmites Species Control	Control of Phragmites	Sep - Oct	TBD	TBD	\$9,000.00
TOTAL:				TBD	\$40,500.00

Estimated Admin/Office, Monitoring & Other City-Owned Natural Features Projects: \$40,500.00

Total 2025 Rochester Hills Greenspace Labor/Materials: \$224,743.80

GRAND TOTAL: \$265,243.80

CLEAR CREEK

Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Treatment - S Wet Meadow	Using backpack sprayers, apply herbicide to treat invasive herbaceous and woody species.	Summer	3 staff	30	\$2,494.25
Foliar Treatment - N Wet Meadow	Using backpack sprayers, apply herbicide to treat invasive herbaceous and woody species.	Summer	2 staff	22	\$1,884.25
Foliar Treatment Phragmites	Cut stump treatment of buckthorn to expand the clear creek wet meadow habitat.	Late Summer/Fall	3 staff	32	\$2,439.25
Cut Stump - N Wet Meadow Expansion	Cut stump treatment of dense woody invasives within the Northern Wet Meadow of Clear Creek GS to expand further east. Estimate does not include treatment of resprouts (~1.3 acres).	Fall or Winter	6 staff	242	\$18,761.75
TOTAL:				326	\$25,579.50

CLOVERPORT & CHILDRESS

Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Retreatment - Bittersweet and Small Shrubs	Foliar application of herbicide with backpack sprayers, targeting bittersweet and small invasive shrubs.	Summer	3 Staff	30	\$2,377.90
Foliar Retreatment - Niswander Unit	Foliar application of herbicide with backpack sprayers, targeting bittersweet and small invasive shrubs which were cut in a prior year.	Summer	2 Staff	8	\$624.70
Foliar Retreatment - Phragmites	Foliar application of herbicide with backpack sprayers targeting phragmites within the northern floodplain of Cloverport greenspace.	Late Summer/Fall	2 Staff	16	\$1,411.80
Cut Stump - Childress Expansion	Cut stump treatment of woody invasives within the southern border of Childress Greenspace (~1.3 acres).	Fall or Winter	6 Staff	182	\$14,975.25
TOTAL:				236	\$19,389.65

HARDING

Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Treatment - Garlic Mustard on Hill	Foliar application garlic mustard on the steep slope. Use backpack sprayers and/or UTV- mounted tank sprayers as appropriate.	Early Spring	3 Staff	33	2911.75

Foliar Treatment - Japanese Knotweed	Foliar application of herbicide to any remaining or newly-sprouted Japanese Knotweed plants present in the northwest of the property.	Late fall, after plants have flowered	2 Staff	20	\$1,659.20
Foliar Retreatment - General	Foliar application of herbicide in all areas where woody invasive species have been cut in prior years selectively targeting all non-native species whether woody or herbaceous. Includes search and destroy cut stump treatments of any missed shrubs.	Spring, Summer, Fall	4 Staff	203	\$17,003.75
Foliar Treatment - Cattail and Phragmites	Hand-wick or backpack spray to apply herbicide to cattail and phragmites present in the high-quality habitat south of the Clinton River Trail and around the Harding pond.	Late Summer/Fall	2 Staff	18	\$1,459.20
Middle Prairie - Woody Debris Clearing	Use a forestry mower to clear out woody debris on the north end of the middle prairie.	Spring, Summer, Fall, Winter	1 Staff	19	\$4,223.75
Planting - Hillside Connectivity	Supplemental planting of the hillside to increase habitat connectivity between the northern prairie and southern oak opening.	Spring or Fall	3 Staff	34	\$4963.00
Planting - Native Conifer Supplementation	Supplemental planting of native conifers to replace selectively cut scotch pines in the northeastern forest. Estimate includes the installation of 5 B&B trees (1-1.5" caliper) and 30 Bare roots (4 - 5') as well as installation of tree protection.	Spring or Fall	4 Staff	64	\$8,144.50
TOTAL:				391	\$40,365.15

RUBY					
Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Treatment - Garlic Mustard	Foliar application of herbicide across entire site, selectively targeting garlic mustard.	Early Spring	3 Staff	18	\$1,550.45
Foliar Treatment - New Property General	Foliar application of herbicide across the new property, selectively targeting all non-native species whether woody or herbaceous. (~5 acres).	Summer	3 Staff	47	\$3,940.75
Foliar Treatment - New Property Residential Species	Foliar application of herbicide to "residential escapee" plant species requiring non-standard herbicides, and other invasive herbaceous species found throughout the new property. (~5 acres).	Spring, Summer, Fall	3 Staff	32	\$2,674.25
Foliar Treatment - General	Foliar application of herbicide across entire site, selectively targeting all non-native species whether woody or herbaceous.	Spring, Summer, Fall	5 Staff	102	\$7,463.25
Foliar Treatment - Residential and Other Herb Invasives	Foliar application of herbicide to "residential escapee" plant species requiring non-standard herbicides, and other invasive herbaceous species.	Spring, Summer, Fall	3 Staff	26	\$2,039.65
Planting - Wet Prairie For Supplement	Supplemental seeding of Wet Prairie with a forb heavy seed mix directly after prescribed burn is conducted. Seed will be broadcast seeded.	Spring or Fall	2 Staff	19	\$1,626.70
Planting - Homestead Native Cover Crop	Installation of native cover crop after the demolition of homestead in the new property.	Spring or Fall	TBD	TBD	TBD
Prescribed Burn - Wet Mesic Prairie	Conduct controlled burn in the Wet Mesic Prairie area of Ruby GS. This includes all prep and a completed burn plan prior to ignition.	Spring or Fall	6 Staff	91	\$10,448.70
TOTAL:				335	\$29,743.75

INNOVATION					
Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Treatments - Wetlands	Treat all invasive resprouts of woody and herbaceous invasive species in the wetland areas of the site. Perform twice during the growing season.	Summer, Early Fall	6 Staff	303	\$23,285.00
Foliar Treatments - Uplands	Treat invasive shrubs and herbaceous species in all uplands at Innovation greenspace.	Summer	4 Staff	63	\$4,449.25
Foliar Treatments - Garlic Mustard and Dames Rocket	Foliar application of herbicide to garlic mustard across upland area of the site.	Early Spring	4 Staff	83	\$5,754.00

Foliar Treatment - Reed Canary Grass	Foliar application to treat reed canary grass throughout the forest floodplain areas.	Early Summer	3 Staff	57	\$4,186.40
Foliar Treatments - Phragmites	Foliar application of herbicide via backpack sprayers and pump sprayers to phragmites across the entire site.	Late Summer/Fall	4 Staff	43	\$3,214.50
Foliar Treatment - Cattail and Phragmites	Foliar application of herbicide via hand wicking tools or backpack sprayers of narrow-leaf cattail and phragmites in the tamarack swamp.	Late Summer/Fall	4 Staff	83	\$6,221.00
Planting - Bridge Area	Install 700 supplemental plugs and 50 bareroot shrubs around the newly constructed rope bridge.	Spring or Fall	2 Staff	23	\$5,265.00
TOTAL:				652	\$52,375.15

Auburn					
Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Treatment - Wetland edge Resprouts	Treat woody resprouts in the area that was forestry mowed.	Summer, Fall	2 Staff	22	\$2,047.75
Foliar Treatment - Phragmites	Foliar treat phragmites in the emergent marsh utilizing an Argo and tank sprayer.	Later Summer/Fall	2 Staff	42	\$3,984.25
Cut Stump - Northern and Eastern Wetland Edge	Cut stump treatment of woody invasives along the Northern and Eastern Wetland edge. (~3 acres).	Fall or Winter	6 Staff	242	\$18,634.25
Mowing - Phragmites	Mowing of phragmites located in the emergent marsh of Auburn GS. Mowing will be conducted utilizing a mixture of mechanized equipment (ie. Truxor w/ Mower attachment) and brushcutter.	Fall or Winter	1 Staff	63	\$4,972.00
Planting - Emergent Marsh Broadcast Seeding	Emergent marsh seed mix will be broadcast seeded over the entire area immediately after area has been mowed.	Fall or Winter	2 Staff	23	\$6,044.00
TOTAL:				392	\$35,682.25

Avon					
Management Task	Work to be Performed	Time of Year	Estimated Labor	Estimated Man Hours	Estimated Budget
Foliar Treatment - Avon Prairie	Foliar application of herbicide with backpack sprayers or atv sprayers to any non-native species withing the Avon prairie.	Summer	3 Staff	56	\$4,407.65
Foliar Treatment - Forestry Mowed Areas	Foliar application of herbicide with backpack sprayers or atv sprayers to any non-native species withing the forestry mowed area at Avon nature area.	Summer	2 Staff	32	\$3,066.00
Planting - Supplemental Prairie Planting	Install 1000 supplemental native plugs in areas to boost establishment.	Fall	3 Staff	33	\$4,740.50
Planting - Forestry Mowed Area Seeding + Planting	Installation of seed mix in areas that were previously forestry mowed. Seed will be drill seeded via tractor. 1000 Supplemental plugs will be installed to assist in native establishment. Cost does not include installation of erosion control blanketing or Straw mulch.	Fall	2 Staff	61	\$9,394.20
TOTAL:				182	\$21,608.35