



Purchasing Division

ADDENDUM NO. 2

DATE: October 4, 2023
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Wildfire Fuel Reduction Projects IFB-5301-23-DD

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded, and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The various locations have been revised as follows:

Hwy 340 Bridge Right-of Way	See revised description and map attached.
Riverfront Trail Section B	See revised description and map attached.
Grand Junction Water Treatment Plant	See revised description and map attached.
Kannah Creek PJ Mosaic	See revised description and map attached.
Kannah Creek Ladder Fuel Removal	See revised description and map attached.
Kindred Reserve Slash Management	See revised description and map attached.
2. The following locations have been removed from the scope of work.
 - RWP Fish Gate (West Island) and Roller Dam Site
 - Persigo Wash and CDOT Persigo Right-of-Way
 - Redlands Village Pump Station
 - RWP Irrigation Intake and Power Station
 - Kannah Creek Roadside Thinning
 - Panorama Pump Station
3. The City may at its discretion add additional locations and will be addressed by a Change Order to the Contract,
4. Use the **revised Price Bid Schedule** (Attached) for pricing only required locations. This form must be submitted with the bid and signed Contractor's Bid Form.
5. Section 3.4 Vegetation Guidelines for all Project areas has been revised as follows:

Vegetation Guidelines for All Project Areas:

 - The terms project area and unit are used interchangeably.
 - Pruning of leave trees must be performed by a licensed tree service.
 - Removal of trees 8 inches in diameter at breast height (DBH) or larger must be performed by a licensed tree service.

- The City does not consider tamarisk to be a tree (large shrub) and can be removed by general contractors at any stem diameter.
- Prioritize cutting and mulching tamarisk, Russian Olive, and dead / downed woody material.
- Remove all tamarisk except for plants that are growing in locations controlling erosion (see Erosion Guidelines and Considerations below) or if directed differently within project descriptions below.
- Remove all stems of Russian olive, Siberian elm, and tree of heaven less than 8 inches in diameter.
- Remove all stems of Russian olive, Siberian elm, and tree of heaven over 8 inches in diameter that are dead or dying.
- Leave all healthy cottonwood stems of any size.
- Leave all other tree species unless specifically noted for removal within project descriptions below.
- For unhealthy cottonwood stems that have significant branch dieback or serious trunk wounds believed to pose a risk to infrastructure or human safety, identify locations and contact Project Manager to request inspection from the City Forester to receive approval for removal.
- Contact the project manager to request inspection from the City Forester of areas where the growth of healthy 8-inch diameter or larger Russian olive, Siberian elm, or tree of heaven are competing with cottonwood trees.
 - City Forester may request removal of competing trees to improve the health of cottonwood trees.
- Remove all shrubs/ladder fuels (native and non-native) growing directly beneath tree crowns for leave-trees and cottonwood galleries.
 - If being used, only herbicide treat non-native stumps.
 - See below for shrub-dominated portions of the unit.
- Non-native trees over 8 inches in diameter will need to be left, but cottonwood trees are the preferred species.
 - Do not remove more than 80% of the total tree canopy in the unit (including all tree species).
 - Select leave-trees based on health of the tree and spacing between other leave-trees.
- Other considerations when determining leave-trees include minimal wounds or basal damage, healthy canopy, good root system that has not been exposed by wind or water.
- Canopy separation does not need to be a consideration in determining leave-trees however, the mature leave-trees should not be clumped together in one area on the unit.
- If a large tree poses a threat to infrastructure or human safety, contact Project Manager to request inspection from the City Forester to receive approval for removal.
- If the crew is unable to remove a hazard tree, inform the Project Manager.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Dolly Daniels, Senior Buyer
City of Grand Junction, Colorado

LOCATIONS

HWY 340 Bridge Right-of-way

CDOT total area = 7.81 (5.36 acres west of midline of bridge, 2.45 acres east of midline of bridge depending on water levels- can be bid as a west and east section independently or together as “riverfront Trail section A”)

Project Area Map



Treatment Type: Mastication and/or hand-crew and chipper with herbicide application on woody stumps greater than 4”

Party Completing Work: Private contractor.

Timeline: Must be completed by May 15, 2024

Yellow-Billed Cuckoo Habitat? Yes

Access Notes: Access (shown as a black line) can be made via the bike path on the west side of the bridge. Gradient from path to work area will be amended to accommodate required vehicle traffic. Best access to the east side of the bridge is at low water via the exposed riverbed/cobblestone under the bridge.

General Notes for project area:

- Boundaries of the project area will be flagged prior to work beginning.
- This area is frequented by people experiencing homelessness. All hazardous waste removal will be coordinated prior to work beginning, and people experiencing homelessness will be given proper notification to safely vacate the area while work is being completed.
- Mature cottonwood gallery to be preserved.
- Moderate density understory with well-defined trails.
- Relatively flat terrain with No Thoroughfare Creek running into the river between bridge spans poses an access challenge to the eastern side of the project area, can be divided into two areas for estimate purposes.

- Access to areas under and east of the eastern span of the bridge may or may not be accessible at the time of the project depending on water level. If not accessible this would limit the project to approximately 5.94 acres covering the western bridge span and westward right-of-way.
- Pending permit with CDOT

Desired Outcomes:

- The overall goal is to significantly thin ladder fuels and invasives in the areas highlighted in orange with a priority to remove tamarisk, Russian Olive, and unhealthy elms in order to create a shaded fuel break underneath a healthy cottonwood gallery.
- Green waste should be chipped/masticated on side with a chip depth not to exceed 4 inches.
- Siberian elm, Russian olive, and tamarisk (less than 10 inches DBH) growing in project area to be removed.
- Vegetation between the bridge spans should be completely removed, coordination with CDOT for roadway safety will be required during this process.

Acres Treated: 7.81

Environmental impacts: Clean and remove hazardous materials from the floodway, reduce fire risk, reduce invasive species, and create space for riparian habitat improvement.

Riverfront Trail Section B

Access through private land (yellow), City/County (orange) = ~27 Acres

Project Area Map



Treatment Type: Mastication and/or hand-crew and chipper with herbicide application for woody stems greater than 4" diameter

Party Completing Work: Private contractor.

Timeline: Must be completed by May 15, 2024

Yellow-Billed Cuckoo Habitat? Yes

Access Notes: Access (shown in black) can be made via the bike path through private land (yellow.) Pending review, access through private land may be widened as needed to allow equipment to complete work on City and County-owned property shown in orange. It is very important to not do any resource damage by moving equipment and people across the property to the project area.

General Notes for project area:

- Cottonwood stems and trees near seasonal channels and low spots to be preserved (will be flagged as keep trees).
- Very dense Russian olive and tamarisk forest near the inner perennial river channels.
- Lots of dead material in the center of the project area and approaching the main river channel.
- This area is frequented by people experiencing homelessness. All hazardous waste removal will be coordinated prior to work beginning, and people experiencing homelessness will be given proper notification to safely vacate the area while work is being completed.
- Pending access agreement with private landowner

Desired Outcomes:

- Drivable pathways through the island, safe for tires and easy access for vehicles to maintain the work completed.
- The overall goal is to significantly thin fuels in the areas highlighted in orange (70-80% canopy reduction), by thinning along existing trails and providing mosaic canopy separation between clusters of vegetation.
- Mosaic cluster diameter should be **no more than** twice the height of the tallest plant, with clusters spaced **at least** twice the height of the tallest plant in each cluster.
- Green waste will be chipped and/or masticated and scattered to a depth of no more than 4 inches.
- Do not remove vegetation on slopes greater than 15% or vegetation overhanging waterways.

Acres Treated: 27

Environmental impacts: Clean and remove hazardous materials from the floodway, reduce fire risk, reduce invasive species, and create space for riparian habitat improvement.

Grand Junction Water Treatment Plant

City= ~1acre

Project Area Map



Treatment Type: Hand Crew with chipper

Party Completing Work: Private contractor.

Timeline: Work must be completed by May 31, 2024

Yellow-Billed Cuckoo Habitat? No

Access Notes: Access will be coordinated with the City of Grand Junction to clear areas just outside of fencing around water treatment plant.

General Notes for project area:

- Mature cottonwoods and large Russian olive with moderate to high-density understory
- Moderate to steep terrain.

Desired Outcomes:

- The overall goal is to reduce ladder fuels in the two drainages within 100' of the fencing around the water treatment plant.
- Leave trees larger than 10" DBH and healthy cottonwoods.
- Larger trunks can be de-limbed and left in place for erosion control.

Acres Treated: 1

Environmental impacts: Reduce fire risk around critical infrastructure.

Kannah Creek PJ Mosaic

City of Grand Junction +Private Land =~19 acres

Project Area Map



Treatment Type: Mastication and/or hand crew and chipper

Party Completing Work: Private contractor.

Timeline: Work in Pinyon/Juniper Forest must be completed between October 2023 and March 2024 when daytime temps are below 50°F for at least two weeks.

Yellow-Billed Cuckoo Habitat? no

Access Notes: This project is near private property. Access must be coordinated. Permit to stage along roads will be coordinated through City of Grand Junction.

General Notes for project area:

- The timeline for this project is a result of consideration to reducing the spread of ips beetle damage in Pinyon forests.
- Pending agreement private landowners
- Project boundaries will be flagged prior to work beginning.

Desired Outcomes:

- Mosaic thinning of Pinyon-Juniper and greasewood with groups of 2-5 trees with 20-30 feet between groups of trees (measures from edge of tree crown)
- Remove dead/down along creek bed on private property- minor disturbances only.
Clear trees under 8" DBH within 15 feet either side of the road
- Green waste can be chipped or masticated and left on site IF there is an opportunity for material to dry out before daytime temperatures are above 50°F. If not, green waste must be hauled off site.

Acres Treated: 19

Environmental impacts: Protect the municipal watershed. Reduce the risk of roadside wildfire ignition and protect the municipal watershed.

Kannah Creek Ladder Fuel Removal

City of GJ = 3.11 acres

Project Area Map



Treatment Type: Hand crew and chipper

Party Completing Work: Private contractor.

Timeline: Work must be completed by October 1, 2024

Yellow-Billed Cuckoo Habitat? no

Access Notes: Public. Access via roadside for northwestern part of creek and Kannah Creek trailhead for southeastern part of creek

General Notes for project area:

- Pinyon trees should not be cut if work occurs when daytime temperatures are above 50°F.
- Only remove dead/down and non-perennial ladder fuels.

Desired Outcomes:

- Create a shaded fuel break along the head of Kannah Creek Road to prevent fire from spreading into higher elevations.
- Remove dead and down, ladder fuels, and limbs up trees where appropriate.
- Leave trees greater than 10 inches DBH.
- Green waste should be chipped and scattered so as not to wash into Kannah creek, or it should be hauled offside.

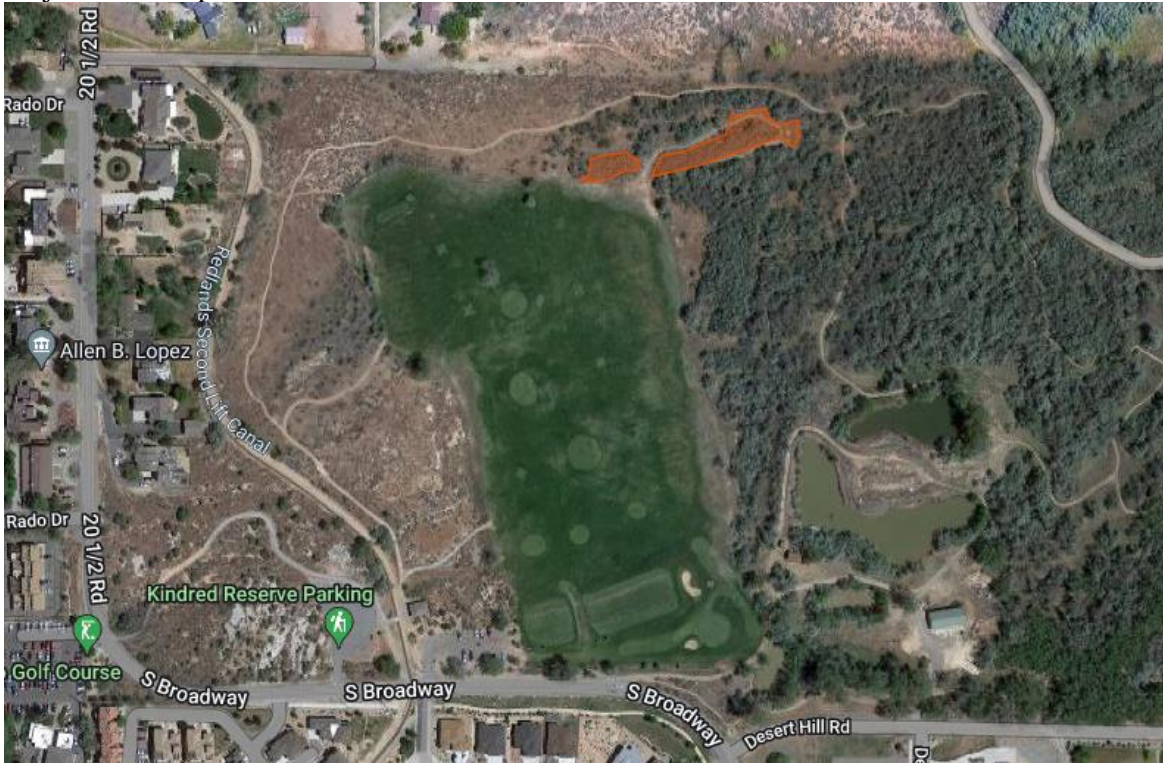
Acres Treated: 3.11

Environmental impacts: Protect the municipal watershed.

Kindred Reserve Slash Management

City of Grand Junction=0.479 acres

Project Area Map



Treatment Type: Mastication

Party Completing Work: Private contractor.

Timeline: Work must be completed by October 1, 2024

Yellow-Billed Cuckoo Habitat? no

Access Notes: Public. Best access is via The Kindred Reserve parking area.

General Notes for project area:

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Desired Outcomes:

- Masticate two large piles of dried slash.

Acres Treated: 0.479

Environmental impacts: reduce dried fuels in City open space.

Price Bid Schedule
Wildfire Fuel Reduction Projects IFB-5301-23-DD
Addendum No. 2

Location	Bid
1. Hwy 340 Bridge Right-of-Way	\$ _____
Written Amount _____	_____ Dollars
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2. Riverfront Trail Section B	\$ _____
Written Amount _____	_____ Dollars
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3. Grand Junction Water Treatment Plant	\$ _____
Written Amount _____	_____ Dollars
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4. Kannah Creek PJ Mosaic	\$ _____
Written Amount _____	_____ Dollars
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5. Kannah Creek Ladder Fuel Removal	\$ _____
Written Amount _____	_____ Dollars
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6. Kindred Reserve Slash Management	\$ _____
Written Amount _____	_____ Dollars
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Total All Locations	\$ _____
Total Written Amount _____	_____ Dollars
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Company: _____

Authorized Signature: _____

Printed Name: _____