

Section C: DESCRIPTIONS, WORK STATEMENT, LOCATION, SPECIFICATIONS, TIME, PERMITS AND MAPS

Roads – Road Maintenance (Maintenance/Surfacing)

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C - Project

- 1 **Description:** The Jingo Lake Rd roadbed maintenance and spot surfacing project includes roadbed maintenance for the entire length of the Jingo Lake Rd (FR2423) and Intermittent spot surfacing. The intent of this project is to support increased traffic counts due to timber harvest activities and hauling needs in upcoming Chippewa National Forest timber sales.
- 2 **Scope of Work:** This project is comprised of all required labor, equipment, and materials necessary to perform the following work:
 - a. Work may include but is not limited to: Mobilization, dewatering the work area, removing ruts/potholes/chuckholes or any other roadbed deformities, roadbed compaction, creating proper roadbed drainage by regrading, and placement of MnDOT Class 5 gravel, material sourcing, and material hauling.
 - b. The intent of the contract is to provide for the complete construction of the project described herein. Unless otherwise provided, the contractor is to furnish all labor, materials, equipment, tools, transportation and supplies and perform all work required to complete the project in reasonably close conformity with the drawings and specifications, and in accordance with the provisions of the contract. Payment for contract work will be made **only for and under** those pay items included in the Schedule of Items. All other work and materials will be considered as incidental to and included in the payment for items shown.
 - c. Specific requirements can be found on the attached drawings and supplemental specifications.
- 3 **Project Location:**
 - a. **East end of Project:** From Marcell MN, travel approximately 7.35 miles north on Hwy 38 arriving at the intersection of Hwy 38 and FR2423 (Jingo Lake Rd) where east end of project work is located.
 - b. **West end of project:** From Talmoon Mn, travel approximately 6.30 miles north on Hwy 6 arriving at the intersection of Hwy 6 and FR2423 (Jingo Lake Rd) where west end of project work is located.
- 4 **Performance Time:** Construction shall be completed prior to October 31st 2018. No work is allowed on evenings, weekends, or government holidays.
- 5 **Required Permits:** The Contractor shall be responsible for obtaining all necessary licenses and permits.

Site Visit

- A. Bidders are urged and expected to inspect the sites where work will be performed and to verify general and local conditions that may affect the cost of contract performance, to the extent that

the information is reasonably obtainable. In no event shall failure to inspect the site constitute grounds for a claim after Contract Award.

Safety and Public Notification

- A. Warning signs will be placed at the proper locations to warn public of road work and construction traffic. A notice of where and when the public might expect delays due to project work shall be posted on access roads to the project. Contractor may close the road at the sites for no more than five consecutive days. "Road Closed Ahead" signs shall be placed at nearest junctions and "Road Closed" signs at each end of sites. All signs shall meet the minimum requirements as established by the current Manual of Uniform Traffic Control devices (MUTCD) edition. Proper posting of warning signs is the responsibility of the contractor.

Contractor's use and Maintenance of existing roads

- A. The Contractor is authorized to use US Forest System Roads along the approved haul route for this contract. Such roads are those which are necessary for direct access to the designated stockpile sites and other approved work areas. The roads authorized for use will be subject to the following general conditions:
 - 1. The Contractor is responsible for and will perform road maintenance on US Forest System Roads along the haul route commensurate with the Contractor's use. Contractor is to perform road maintenance at such intervals that prevent deterioration of the roadway, or as directed by the Contracting Officer.

Damage to Structures

- A. The Contractor shall be held liable for any damage caused by his/her personnel to any roadway, existing bridges, ditches, culverts, or signs. Repair of structures damaged by the Contractor's operations, shall be their responsibility at no cost to the Government.

Performance

Roadbed Maintenance

- A. This work consists of shaping and maintaining the roadbed to establish proper drainage including the construction of new turnouts as needed for the entire length of Jingo Lake Rd (FR2423).
- B. A bulldozer, motor patrol, skid steer, or other equipment with suitable implements shall be used to remove ruts, eliminate potholes and other depressions and create an overall smooth surface that is sloped for drainage. Depressions, potholes, ruts or other deformations shall be completely removed. Blade cuts, reclamation etc. shall be to a depth that extends to at least as deep as the roadbed deformation itself. This may be done using any type of approved equipment or implement.
 - 1. "High Blading" or the practice of merely filling low areas with loose material will not be accepted as an approved means of roadbed maintenance.

C. Compaction is required on areas that are excavated or otherwise receive significant disturbance. Compaction may be achieved by one of the following methods:

1. Three passes of a smooth drum vibratory roller of 2,400lbs or greater weight.
2. Multiple perpendicular passes of a vibratory plate compactor on fill or material lifts not to exceed 6 inches.

Roadbed Maintenance Estimated Quantities:

A. FR2423 Jingo Lake Rd – 4.8 Miles (entire road length)

MnDOT Class V Spot Gravel:

- A. This work shall consist of providing, hauling, placing and compacting 600 CY of commercial aggregate surfacing as needed on FR2423 Jingo Lake Rd.
- B. No spot surfacing shall be done until that portion of the roadbed maintenance is complete per the project specifications.
- C. Compaction of surfacing shall be achieved by one of the following methods:
 1. Three passes of a smooth drum vibratory roller of 2,400lbs or of greater weight.
 2. Multiple passes by loaded rubber tire construction equipment until visible signs of deformation cease.

MnDOT Class V Estimated Quantities:

A. 600 Cubic Yards

Control of Material

MnDOT Class V

A. Testing – One gradation shall be provided to the government per each source used. Material shall meet MnDOT Specs for CLASS V Material as shown in Table 1 below:

MnDOT Class V Aggregate – Table 1	
Sieve Size	Total % Passing
1" (25.0 mm)	100
3/4" (19 mm)	90-100
3/8" (9.5 mm)	50-90
#4 (4.75mm)	35-80
#10 (2.0 mm)	20-65
#40 (425 µm)	10-35
#200 (75 µm)	3-10

Measurement and Payment

Roadbed Maintenance

- A. This pay item will not be measured directly. It is to be paid for as a lump sum item for the entire project.

Turnouts & Regrading

- A. Turnouts and regrading are not considered a pay item. It is considered incidental to roadbed Maintenance.

MnDOT Class V

- A. MnDOT Class V spot gravel shall be measured by the loose cubic yard delivered to the site. The accepted quantities will be paid for at the contract price for the actual quantity of material delivered.
- B. Gradation is to be provided at no cost to the Forest Service as part of the project requirements. MnDOT Class V testing shall be considered incidental to spot gravel work and will not be paid for as a separate bid item.
- C. During the first few loads, the COR (Contracting Officer Representative) and the Contractor will agree upon an average quantity per load for each hauling vehicle. The agreed upon Vehicle Quantity (VQ) shall be documented in writing. Contractor is to submit load tickets to the Forest Service inspector for all material to be paid by volume.

Temporary Traffic Control

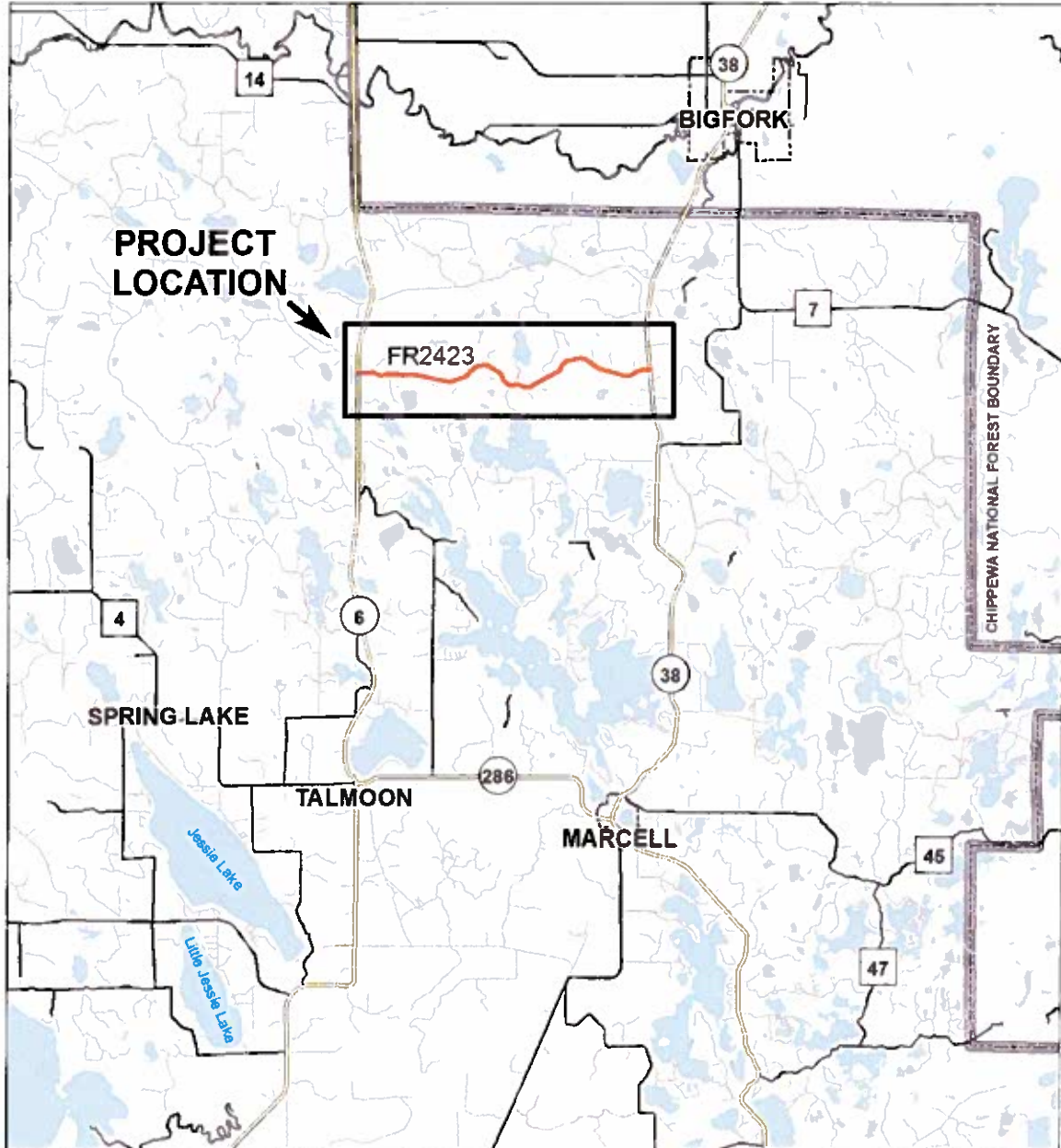
- A. Temporary traffic control as outlined in "Safety and Public Notification" shall be considered incidental to all other work and will not be measured or paid for as a separate bid item.

Mobilization

- A. Mobilization is considered incidental to all other work and will not be paid for as a separate bid item.

JINGO LAKE RD

FR2423 – Roadbed Maintenance and Spot Gravel.





PROJECT NAME:
FR2423 ROADBED
MAINTENANCE AND
SPOT SURFACING

DRAWING TITLE
PROJECT DETAIL

DATE
01/26/2018

APPROVAL NO.

DESIGNER

DWG SHEET NO.

CHECKED

PROJECT NO.

SHEET 1 OF 1

ESTIMATED QTY'S

SPOT GRAVEL -
600CY

ROADBED
MAINTENANCE-
4.8 MILES

**FR2423 JINGO LAKE RD ROADBED
MAINTENANCE & SPOT GRAVEL**

