Statement of Work

Ottawa NF, 2023 Boundary Surveys

**GNA-Ottawa-FY23-Project#1**

1. GOVERNMENT REPRESENTATIVE AND SUBMITTAL: Please review the Statement of Work below, along with the attached maps and respond with a **not-to-exceed Quotation** for ***each project***. Also, please note the Delivery Date in Section G below, and if you believe it should be adjusted, explain your rationale. We request this information by close of business on 01/17/2023. Send this to the Contracting Officers Representative (COR): Jeremy Pipp by email (preferred .pdf or .docx file) at pippj@michigan.gov . The Contractor may request a clarification/scoping meeting (or conference call) to better define the project before preparing the submittal. The work on this project must be done according to the specifications of the contract that was previously provided; pertinent paragraphs contained therein should be carefully examined before this proposal is submitted.
2. PURPOSE: The purpose of this survey is to delineate the common boundary between National Forest and private land for upcoming management activities. This project will be named the **“Ottawa NF 2023 GNA Boundary Surveys – Project #1”.**
3. PROJECT AREA: This project consists of One (1) Project Area (shown on the attached maps), located in Gogebic County, Michigan, more particularly described as:

GNA-Ottawa-FY23-Project #1: T45NR39W Section 28, 29, 30, 31, 32, 33, Gogebic County

CONTROL

All controlling corners in all projects have record of being monumented. See attached maps for what corners need to be monumented. All corners have been through the Remonumentation Program, and/or found and recorded by the USFS in the 1960s to 1990’s.

ACCESS

Most of the project area has a good network of forest roads. See the project maps for further details. While the quality of many of these roads is unknown, they should provide adequate access to large portions of the projects.

SURVEY RECORDS

All survey records research is the contractor’s responsibility. The Forest Service will provide all records they have on file after award of the contract.

1. ITEMS OF WORK:
* All 1/16th corners use the County Remonumentation Corner Code system

**GNA-Ottawa-FY23-Project #1:** **T45NR39W Section 28, 29, 30, 31, 32, 33 –** Items of Work will include;

*Item 2* - Control Corner Measurement (30 total) **(Also need sufficient control on portions of the centerlines of US2, US45, Old US2 and Old Railroad Grade in order to set appropriate ROW corners)**:

**Section 28:**  N1/4, S1/4, E1/4, W1/4, NE, SE, SW, NW (8 corners)

**Section 29:**  N1/4, S1/4, E1/4 (duplicate), W1/4, NE (duplicate), SE (duplicate), NW (4 corners)

**Section 30:**  N1/4, S1/4, E1/4 (duplicate), W1/4, NE (duplicate), SW, NW, #3 (6 corners)

**Section 31:**  N1/4 (duplicate), E1/4, W1/4, SE, SW, NW (duplicate) (4 corners)

**Section 32:**  N1/4 (duplicate), S1/4, E1/4, W1/4 (duplicate), NE (duplicate), SW (duplicate), NW – 4 WCs (6 corners)

**Section 33:**  N1/4 (duplicate), S1/4, E1/4, W1/4 (duplicate), NE (duplicate), NW (duplicate) (2 corners)

*Item 3B* – Monumentation of Section Subdivisional Corners (24 total):

**Section 28:** 1/16th corners – 2 (may be monumented?), 8, 12, 13, 15, 16 (6 corners)

**Section 29:** 1/16th corners – 1 (may be monumented?), 2, 4, 5, 9 (5 corners)

**Section 30:** 1/16th corners – 1, 2, 4, 9, 15 (5 corners)

**Section 31:** 1/16th corners – 1 (duplicate), 7, 8, 14, 16 (4 corners)

**Section 32:** 1/16th corners – 3 (duplicate), 5, 7, 10 (duplicate), 12 (3 corners)

**Section 33:** 1/16th corners – 1 (duplicate), 2 (duplicate), 3 (duplicate), 4 (1 corner)

*Item 3C* – Monumentation of Minor Sub Corners (26 total) **(All of these corners except the corner in Section 31 DO NOT need accessories, as they are all ROW corners and just need to comply with P.A. 132 of 1970, as amended)**:

**Section 28:** Two ROW corners at 75’ offset at the South side of US2 near the SE1/16th corner (going west and south from the SE1/16th corner), ROW at 75’ offset at west side of US45 west of the SE corner (3 corners)

**Section 29:** **Along US2 (103’ north and 197’ south of centerline)**: ROW at north and south sides of west line, ROW at south and east line of NENW, ROW at south side of east line of SWNE (5 corners); **Along Old US2**: ROW at 200’ offset on west line, ROW at 200’ offset on north line, ROW at 200’ offset at north and south sides of east line of the NWNW, ROW at 75’ offset at north and south sides of west line and ROW at 75’ offset at north side of east line of the NWNE (7 corners); **Along old railroad grade (all 50’ offset)**: ROW at east and west sides of north line, ROW at north and south sides of west line and north and south sides of east line of the NWNE (6 corners) (18 corners total)

**Section 30:** **Along US2 (103’ north and 197’ south of centerline)**: ROW at north and south sides of west line of the NENW, ROW at north and south sides of east line of the W1/2NE (4 corners)

**Section 31:** Point on shoreline east of the S1/4 in Trail Lake (1 corner)

*Item 5* – Corner Maintenance (30 total): All described above in Item 2

*Item 6 and 7* – Property Line Measurement and Property Line Posting (10.82 miles total) **(all lines that cross ROWs shall be marked and posted beyond the ROW corner to the clearing limits, as FS owns the land in fee, EXCEPT the old railroad grade in the NWNE and Old US2 in the NWNW of Section 29)**:

**Section 28:** N1/4 to 2 (0.25 mile) **AND** W1/4 to 8 to 15 to S1/4 to 12 to 13 to 16 to SE (2.0 miles)

**Section 29:** E1/4 to 9 to ROW on east line of NWNE at 50’ offset at south side of old railroad grade AND ROW on east line of NWNE at 50’ offset at north side of old railroad grade to 2 (0.75 mile) **AND** NW to ROW on north section line at 200’ offset at north side of Old US2 to ROW on east line of NWNW at 200’ offset at north side of Old US2 to 1 to ROW on north line of section at 50’ offset at west side of old railroad grade AND ROW on north line of section at 50’ offset at east side of old railroad grade to N1/4 to ROW on west line of NWNE at 50’ offset at north side of old railroad grade AND ROW on west line of NWNE at 50’ offset at south side of old railroad grade to 5 to 4 to ROW on east line of NWNW at 200’ offset at south side of Old US2 to ROW on west line of section at 200’ offset at south side of Old US2 to W1/4 (1.82 miles)

**Section 30:** E1/4 to 9 to 2 to NE (1.0 mile) **AND** NW to 1 to 4 to 3 (0.75 mile)

**Section 31:** NW to 1 to 8 to W1/4 (1.0 mile) **AND** 16 to Point on shoreline of Trail Lake east of S1/4 (0.25 mile)

**Section 32:** W1/4 to 3 to 5 to 12 to 10 to W1/4 (2.0 miles)

**Section 33:** NW to 1 to 4 to 3 to NW (1.0 mile)

*Item 9A and 9B* – Certificate of Survey (1 total), Additional Certificate of Survey (5 total)

 D: Items of Work (summary total):

**GNA-Ottawa-FY23-Project #1:** **T45NR39W Section 28, 29, 30, 31, 32, 33**

Control Measurement 30 corners

Monumentation of Section Subdivisional Corners 24 corners

Monumentation of Minor Subdivisional Corners 26 corners

Corner Maintenance 30 corners

Property Line Measurement & Posting 10.82 miles

Certificate of Survey 1 each

Additional Certificate of Survey 5 each

E. Notification letters to adjoining private land owners must be sent prior to commencing field work in the interior of sections.

F. ENCROACHMENTS: The extent of any encroachments discovered shall be brought to the attention of the Contracting Officers Representative upon confirmation by the property line survey.

G. DELIVERY DATE: The final project submission delivery date is negotiable, but anticipated to be: **01/31/2024**

Attachments: -Project maps

 -USFS Specifications

 -Exhibits

 -State of Michigan Terms and Conditions

Jeremy Pipp PS 50447

Michigan Department of Natural Resources & Contracting Officers Representative (COR)

11-28-2022