



ADDENDUM #1

RFP-12-05

**For
ENGINEERING SERVICES:
WIRELESS BACKHAUL NETWORK DESIGN**

Questions recently asked regarding the RFP:

1. Is this RFP for professional services only, or is there an expectation for supply of hardware and / or installation services?
2. The RFP requires engineering of 20 sites (18 x 100' monopoles, 1 x 150' monopole, and 1 undescribed structure at the MDOT tower). Is the engineering work required for the purpose of replacing an existing RF system, or for an entirely new one?
 - a. If the RF system already exists, can you describe the manufacturer / model of the currently installed RF / infrastructure systems, including the operating frequency(ies)?
 - b. If the RF system already exists, does it utilize licensed or unlicensed frequencies?
 - c. Can we be provided with location names / LAT – LONG coordinates for all 20 sites, including monopole / tower manufacturers and model information?
3. What type(s) of traffic will be transported over the new system (voice, video, data, SCADA, security, etc.), and what bandwidth capacity is needed for the planned traffic? Will those bandwidth parameters be the same at all sites?
4. What overall data rate is required over the new system?
5. If the system is new and will use licensed frequencies, have the FCC frequency coordination studies already been done, or does that service need to be provided as a deliverable under this RFP?
6. Are there any existing path analysis calculations that have been completed, or does that service need to be provided as a deliverable under this RFP?
7. Deployment of new / additional hardware on existing structures sometimes requires structural analysis to maintain standards compliance. Are there any services required under this RFP to perform structural analysis of the existing 20 structures?
8. There is mention of redundancy requirements for the new systems, but no specifics as to the type of redundancy required. Please elaborate if any / all of the redundancy methods described below will be required:
 - a. Redundant AC or DC Power sources / UPS systems? Required or not?
 - b. Redundant transmitters / receivers on same point-to-point path (redundant hardware)? Required or not?
 - c. Redundant transmitters / receivers on different point-to-point path (redundant routes)? Required or not?
 - d. Redundant non-RF routes (via telco / carrier circuits)? Required or not?
9. Have any system reliability / uptime standards been established, such as 99.9%, 99.99%, or 99.999%?
10. Does the new system fall under any special state or federal requirements (such as CIP - Critical Infrastructure Protection), or other regulatory agencies?
11. The RFP award criteria mentions consideration of the bidder's qualifications, cost, completion date / schedule, with an assumed award start of 2/1/12. Has a budgetary estimate been established for this RFP, including expected duration, and can this information be provided to interested bidders?

Answer

They can propose which ever services they think could be necessary.

NOTE:

Please reference all listings regarding the Highway Map project that are posted on our web site www.rcmcweb.org. The informational PDF(s) regarding the answer to this question and others can be found under the heading **Contracts/Bids** on the homepage of our web site (this is located on the left side of web page included in other hot links to various pages of the rcmcweb.org). After following the hot link a new page will appear. Click on the first bullet listed in the middle of the page that reads **Bid Lists, Specifications and Tabs**.

MACOMB COUNTY DEPARTMENT OF ROADS

DIRECTOR OF ROADS

Robert Hoepfner, P.E.

FINANCE DIRECTOR

Michelle M Mykytiak

PURCHASING DIRECTOR

JoAnna K. Strizic

Request for Proposal on: **ENGINEERING SERVICES:
WIRELESS BACKHAUL NETWORK DESIGN**

Sealed RFP's will be publicly opened at **11:00** A.M., E.S.T. on **Wednesday, January 18, 2012** at the office of the Macomb County Department of Roads, 117 S. Groesbeck, Mt. Clemens, Michigan, 48043 for the furnishing of the above materials, services, equipment, work and/or supplies in accordance with the terms, conditions and specifications as stated herein and hereto attached.

1. The Director of Roads reserves the right to accept any and all alternate proposals, bids or quotes and to award the contract to other than the lowest bidder, waive any irregularities or informalities or both, to reject any and all bids, quotes and proposals, and in general to make the award of the contract in any manner deemed by the Director of Roads, at his sole discretion, to be in the Department of Roads best interest. In case of error in the extension of prices in the bid or other arithmetical error, the unit prices will govern.
2. The proposal must be delivered in person or sent by mail to the Macomb County Department of Roads, 117 S. Groesbeck, Mt. Clemens, Michigan, 48043. **It shall be in a sealed envelope marked with the name and address of the vendor on the outside of the envelope. The above referenced RFP number should also be highlighted on the outside of the envelope. In addition, if the RFP is to be express mailed, "RFP Documents Enclosed" must be conspicuously marked on the package.** Facsimile and/or e-mail transmitted proposals will not be accepted.
3. The vendor shall assume full responsibility for delivery of proposals prior to the appointed hour for opening same and shall assume the risk of late delivery or non-delivery regardless of the manner employed for the transmission thereof. RFP's shall be accepted at any time during the normal course of business only, said hours being 8:00 am to 4:30 pm, Monday through Friday, legal holidays excepted. A vendor may withdraw their response by written request at any time prior to the scheduled RFP opening. Any proposal received after the scheduled opening time will not be accepted and will be returned unopened. No proposal may be withdrawn, changed, or modified in any way for a period of sixty (60) calendar days from the date of the RFP opening.
4. IT IS UNDERSTOOD THAT THE BOARD OF MACOMB COUNTY DEPARTMENT OF ROADS IS A GOVERNMENTAL UNIT AND AS SUCH IS EXEMPT FROM THE PAYMENT OF ALL STATE AND FEDERAL TAXES APPLYING ON THE ABOVE MENTIONED ITEM AND ALL PRICES QUOTED SHALL NOT INCLUDE ANY SUCH TAX.
5. The total price quoted by the vendor must be the total cost delivered to the location(s). All goods are to be shipped F.O.B. Shipments sent C.O.D. without the Department of Roads consent will not be accepted and will, at the Contractor's risk and expense, be returned. Unauthorized shipments are subject to rejection and returned at the Contractor's expense.

6. The vendor by execution of the proposal thereby declares that the proposal is made without collusion with any other person, firm or corporation making any other proposal, or who otherwise would make a proposal, and agrees to furnish all items in strict accordance with all Federal Regulatory Measures.
7. All proposals must be submitted on the Department of Roads blank form. The proposal shall be legibly prepared in ink or typewriter. Erasures or alterations must be initialed by the vendor.
8. Submission of a proposal will be construed as a conclusive presumption that the vendor is thoroughly familiar with the Proposal and Specifications and that he understands and agrees to abide by each and all of the stipulations and requirements contained therein.
9. In the specifications, whenever an article or material is defined by brand name, the name and catalog number of a particular manufacturer, vendor or a limited description, the term "OR APPROVED EQUAL" is written. Any reference to a particular manufacturer's product either by brand name or limited description is only for purposes of setting a standard of performance, quality, composition, construction or size.
10. The Macomb County Department of Roads reserves the right to award the proposal for the equipment which best fits our needs and appears to be in the best interest of the Macomb County Department of Roads at the time the proposals are evaluated.
11. The Macomb County Department of Roads reserves the right to terminate the contract without penalty upon thirty (30) days written notice, due to poor performance or for reasons deemed to be in its best interest. The Macomb County Department of Roads reserves the right to re-award the contract to the second most qualified vendor, re-propose, re-quote or re-bid the contract or do whatever is deemed to be in its best interest.
12. Vendors aggrieved by an award of any resulting contract may file a written notice of protest with the Purchasing Director within seven (7) calendar days of the award by the Macomb County Department of Roads.
13. When applicable, contractor must furnish material safety data sheets for their products.
14. VENDORS ARE REQUIRED TO SUBMIT COMPLETE AND COMPREHENSIVE DATA AND DESCRIPTIVE LITERATURE COVERING THE ITEM PROPOSED TO BE FURNISHED. VENDORS SUBMITTING ALTERNATE PROPOSALS MUST PROVIDE SPECIFICATIONS DOCUMENTING PRODUCT IS EQUAL TO SPECIFIED ITEM. PROPOSALS SUBMITTED WITHOUT THE ABOVE DOCUMENTATION WILL BE CONSIDERED NON-RESPONSIVE AND REJECTED.
15. THIS RFP, BY MUTUAL AGREEMENT OF BOTH PARTIES, may be extended for additional one (1) year periods, each year hereafter, but not to exceed a maximum of two (2) additional years.
16. Prior to furnishing the requested products and services, it shall be the responsibility of the awarded vendor to obtain all licenses and permits required to complete this contractual service, at no cost to the Macomb County Department of Roads. These licenses and permits shall be readily available for review by the Administration and Purchasing Personnel.
17. Vendors will provide a general history, description and status of their company.
18. All applicable Federal and State laws and rules and regulation over the project shall apply to the project contract throughout and will be deemed to be included in the contract herein written out in full.
19. The Macomb County Department of Roads adheres to Title VI related requirements as outlined in USDOT Regulation 49 CFR-Part 26, Appendix A of MDOT Bidding Specifications, and the MCDR Policy #407. The Macomb County Department of Roads is an Equal Opportunity Agency.

20. The Macomb County Department of Roads will not pay fuel surcharges.
21. The only **official** document is available over the internet at www.rcmcweb.org or www.mitn.info.
22. All documents and correspondence submitted to the Macomb County Department of Roads becomes the property of the Macomb County Department of Roads and is subject to disclosure under the "Freedom of Information Act". This Act provides for the complete disclosure of contract and attachments.

JoAnna Strizic
Purchasing Director
(586) 791-3348

Adam Merchant
Traffic Engineer
(586) 840-3064

Copies of RFP's and Tabs are available on the following websites:
www.mitn.info or www.rcmcweb.org/viewpage/bids.cgi

PROPOSAL

WE, THE UNDERSIGNED, agree to furnish to the Macomb County Department of Roads Wireless Backhaul Network Design, conforming to the attached specifications at the pricing indicated as noted. F.O.B., 117 S. Groesbeck Hwy., Mt. Clemens, MI 48043.

The undersigned herein submitted this bid or proposal and agrees to enter into an agreement with the Macomb County Department of Roads in accordance with the RFP documents. In submitting this complete and signed proposal, it is understood that the right is reserved by the Macomb County Department of Roads to reject any or all bids or proposals and to make such award that is in the best interest of the Macomb County Department of Roads

Complete Cost \$ _____

Final Completion Date _____

Attached Detailed Scheduling and Qualifications Statement Required

COMPANY NAME: _____ ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PRINTED NAME: _____ SIGNATURE: _____

TITLE: _____ DATE: _____

PHONE NO.: _____ FAX NO.: _____

E-MAIL ADDRESS: _____ TERMS: _____

INDEMNIFICATION

Macomb County Department of Roads will not be responsible for injury to contractor's employees, sub-contractors, or to third parties caused by the contractor's agents, servants or employees. Therefore, the contractor agrees to incorporate the below hold harmless agreement into the required insurance and to be evidenced by being contained in the certificate of insurance. Further, the below listed indemnification is incorporated and is part of the subject contract.

"The contractor agrees to protect, defend, indemnify and hold the Macomb County Department of Roads and its Directors, officers, employees and agents free and harmless from and against any and losses, penalties, damages, settlements, costs, charges, professional fees, or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, legal fees, liens, demands, court costs, obligation, actions, proceedings or causes of action of every kind and character in connection with or arising directly or indirectly out of this agreement and/or the performance hereof. Without limiting the generality of the foregoing, any and all such claims, etc. relating to personal injury, death, damage to property, defects in materials or workmanship, or any actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation, or decree of any court, shall be included in the indemnity hereunder".

"The contractor further agrees to investigate, handle, respond to, provide defense for and defend any such claims, etc. at his sole expense and agrees to bear all other costs and expenses related hereto, even if it (claims, etc.) is groundless, false or fraudulent. In any case in which this indemnification would violate legal prohibition, the foregoing provision concerning indemnification shall not be construed to indemnify the MCDR for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the MCDR, its directors, officers, employees or agents".

WORK REFERENCES

Name of Company	Location	Name of Person Approving Work and Telephone No.	Time Period of Project

CERTIFICATION OF INSURANCE FOR CONSTRUCTION AND RECONSTRUCTION PROJECTS

NOTE: INSURANCE COMPANY MUST BE LICENSED IN THE STATE OF MICHIGAN

The subscribing insurance company certifies to the Macomb County Department of Roads that insurance of the kinds and types and for limits of liability covering the work herein designated, has been procured by and furnished on behalf of the insured contractor named in item one (1).

1. NAME OF INSURED: _____

ADDRESS OF INSURED: _____

2. LOCATION and _____

DESCRIPTION OF WORK: _____

3. Type of insurance (indicated policy amount if other than Minimum Limits shown*)

- A. Comprehensive General Liability – including coverage for Contractual Liability Insurance, Completed Operations and/or Product Liability, X, C, and U.
- B. Comprehensive Auto Liability Insurance including coverage for owned, hired and non-owned vehicles.
- C. Owners & Contractors Protective Public Liability & Property Damage Insurance.
- D. Worker’s Compensation.
- E. Umbrella or Excess Liability.

POLICY	EFFECTIVE	EXPIRATION	EACH	AGGREGATE		
TYPE	NUMBER	DATE	DATE	COVERAGE	OCURANCE	AGGREGATE

Name Insured for (C) shall include the following: MACOMB COUNTY DEPARTMENT OF ROADS AND ITS EMPLOYEES, ELECTED AND APPOINTED OFFICIALS, AND ALL CITIES, TOWNSHIPS IN MACOMB COUNTY, SUCH COVERAGE SHALL BE PRIMARY.

Certificate holder is scheduled as additional insured with regards to GL coverages.

The coverage herein certified is written in accordance with the company’s regular policies and endorsement, subject to the company’s applicable manual of rules and rates, except:

- (A) The insurance shall not be subject to the usual “X” – explosion, “C” – collapse, or “U” – underground property damage exclusions.
- (B) In the event of cancellation or reduction in coverage by the insurance company, 30 days prior written notice shall be given the Macomb County Department of Roads.

- (C) The subscribing company and the insured contractor agree to give 30 day prior written notice to the Macomb County Department of Roads in the event the contractor cancels or reduces the coverage of any insurance certified above.

NAME OF COMPANY

DATE: _____

BY: _____

Authorized Representative

FEDERAL EMPLOYER IDENTIFICATION

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PRINTED NAME: _____ SIGNATURE: _____

TITLE: _____ DATE: _____

PHONE NO.: _____ FAX NO.: _____

E-MAIL ADDRESS: _____ TERMS: _____

FEDERAL EMPLOYER IDENTIFICATION NUMBER: _____

Which is (check one of the following :)

() Corporation, incorporated under the laws of the State of: _____

() Partnership, consisting of (list partners): _____

() Assumed Name (register no.) _____

() Individual _____

When payment on such order or contract is to be directed to the same company at an address different from above, fill in the following address:

Statement of Non-Submission of Proposal

Macomb County Department of Roads

RFP Number:

Title:

Please Send or Fax To:

Macomb County Department of Roads

Attn: Purchasing Department

34592 Nova Drive

Clinton Twp., MI 48035

Fax Number: (586) 791-5860

We, the undersigned, have declined to submit a proposal for the following reasons:

Check All That Apply	Reason
	Our company does not handle the type of product/service
	We cannot meet the specifications nor provide an approved alternate – please explain below
	Our company is not interested in submitting a proposal at this time
	Job is too small
	Job is too large
	Cannot be competitive
	Liability issues such as insurance, bonding, indemnification, hold harmless
	Insufficient time to respond – please explain below
	Our company's schedule would not permit performance of the specifications
	Other – describe below

Remarks: _____

Company Information:

Company Name: _____

Signature of Authorized Company Representative: _____

Printed Name: _____

Title: _____

Company Address: _____

Fax Number: _____

Telephone Number: _____

Important Note: To qualify as a respondent to the proposal, the vendor must submit a proposal or return this completed form.

VENDOR REGISTRATION: The Macomb County Department of Roads uses the MITN website for vendor registration, proposal and tabulation posting, award information and other processes. Final proposal results will be posted on the MITN website after award. Please register to see results – www.mitn.info.

Macomb County Department of Roads
Request for Proposals
for
ENGINEERING SERVICES:
WIRELESS BACKHAUL NETWORK DESIGN

The Macomb County Department of Roads (MCDR) is soliciting proposals from firms to provide a conceptual design and specifications for a redundant wireless backhaul network.

The design will utilize 18 existing 100-foot tall monopoles located throughout the county and one central 150-foot tall monopole at the Traffic Operations Center. The central pole is equipped with four triangle platforms. All existing poles have weatherized equipment cabinets and are energized with electrical power. The design will also include provisions to establish a redundant wireless connection between the MCDR network and the MDOT communications tower located at the intersection of Interstate Highway 696 and Interstate Highway 75 in Oakland County.

The proposal will be evaluated based upon qualifications, cost, and promptness of completion of the proposed work. The proposal should include a schedule and completion date assuming a start date of February 1, 2012. The consultant will not be required to produce construction drawings as part of this contract.

The MCDR reserves the right to reject any or all of the Proposals received and re-solicit engineering services at its sole discretion. The MCDR will not pay for the information solicited, or any costs incurred by consultants submitting proposals presentations or interviews.