

# Request for Industry Feedback

## DRAFT AMPV Acquisition Approach/Scope of Work

**Anticipated Acquisition Approach:** The Armored Multi-Purpose Vehicle (AMPV) Family of Vehicles (FoV) is a non-developmental item (NDI) materiel solution to replace the five mission roles currently performed by the M113 FoV. The AMPV family will consist of the following five variants: Mission Command (MCmd), Medical Treatment Vehicle (MTV), Medical Evacuation Vehicle (MEV), General Purpose (GP), and Mortar Carrier Vehicle (MCV). The United States Government (USG) contemplates awarding this requirement using a best value source selection process. Prospective bidders will be asked to provide a proposal for 10 years of the effort, which includes three years of Engineering and Manufacturing Development (EMD), three option years of Low Rate Initial Production (LRIP) requirements, and four option years of Full Rate Production (FRP) requirements. Proposals will be evaluated in their entirety. The USG anticipates awarding up to two contracts for EMD. Once EMD is complete, a down select evaluation will be conducted and one contractor's option for LRIP will be exercised. If successful performance of LRIP is achieved, remaining LRIP options and FRP options will be exercised.

The EMD phase of this effort will utilize a Cost Plus Fixed Fee contract type, with a funding cap. The three-year EMD phase will be incrementally funded (6 month period of performance, 12 month period of performance, 12 month period of performance, and 6 month period of performance). LRIP and FRP will utilize a Firm Fixed Price (FFP) contract type. The USG anticipates this effort to encompass 10 years and will structure the CLINs accordingly.

### Schedule Assumptions:

#### Engineering, Manufacturing and Development Phase:

1. Proposal submitted 120 days after RFP is released.
2. Preliminary Design Review (PDR) will be 30 days after EMD contract award.
3. Critical Design Review (CDR) will be 365 days after PDR.
4. First prototype delivered 18 months after EMD contract award.
5. Prototype build rate = 1 vehicle/1.5 weeks.
6. Prototype quantity/mix is in Attachment 008 of Section C.

#### Production & Deployment Phase:

7. Modified proposals submitted 120 days after Production Prove Out Testing (PPT) is completed (1 month after Limited User Testing (LUT) is completed).
8. First LRIP vehicle delivered 6 months after first LRIP option is awarded.
9. LRIP build rate is 52 vehicles in Option Year 1, 107 vehicles in Option Year 2, and 137 vehicles in Option Year 3. The breakdown by vehicle variant is as follows:

<u>Vehicle:</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
GP:	10	20	22
MCmd:	10	40	50
MCV:	11	12	17

MTV:	12	5	5
MEV:	9	30	43
<b>Totals:</b>	<b>52</b>	<b>107</b>	<b>137</b>

10. Full Rate Production build rate is 296 vehicles in Option Year 1, 296 vehicles in Option Year 2, 296 vehicles in Option Year 3, and 296 vehicles in Option Year 4.

Vehicle:	Years 1	Year 2	Year 3	Year 4
GP:	52	52	52	52
MCmd:	82	82	82	82
MCV:	40	40	40	40
MTV:	100	100	100	100
MEV:	22	22	22	22
<b>Totals:</b>	<b>296</b>	<b>296</b>	<b>296</b>	<b>296</b>

11. Continuous production will be maintained for the first seven years of production (LRIP and FRP options).

#### Questions for Industry Feedback:

The following questions are based on the above anticipated acquisition strategy, outlined above, and the DRAFT sections of the Solicitation posted for industry review. Responses to the questions below should be sent to [usarmy.detroit.acc.mbx.ampv-program@mail.mil](mailto:usarmy.detroit.acc.mbx.ampv-program@mail.mil). Prospective bidders answers to the questions below WILL NOT be posted to the website, but may be used to help form the final solicitation.

1. What are the cost drivers?
2. What are the schedule drivers?
3. Are the schedule assumptions reasonable?
4. What additional information is needed to prepare a proposal?
5. Are there any provisioning files or TM work packages that can be used as a baseline for AMPV?
6. What percentage of provisioning material already exists?
7. Attachment 0006 provides a list of Government Furnished Materiel (GFM) list, which will be offered in 'as is' condition. How would you use this materiel (for design, integration, scrap, etc.)?
8. Can you order/obtain Long Lead Material (LLM) within the desired schedule?
9. What would your LLM include?
10. Does the USG assumed vehicle quantity per year maintain minimum sustainment rate?

11. What do you anticipate your lead time is to build the first prototype vehicles (for each variant)?
12. How many prototypes per month could you provide/ramp up to per month?
  - a. Do you expect a difference in lead time between configurations?
  - b. What is the impact of the different configurations on lead time to build the initial prototypes? (i.e likely prototype lead times for General Purpose, Mission Command, Mortar Carrier, Medical Evacuation, and Medical Treatment vehicles)
13. Would you be able to submit firm fixed price options for the five configurations of production vehicles? (The option for production with the production scope would be included in the initial award and could be called up during or at the end of the EMD effort.)
  - a. Would you be able to include pricing for three option years of LRIP in your proposal?
  - b. Would you be able to include pricing for four option years of FRP in your proposal?
14. How would you recommend structuring the options?
  - a. Should options be called up in unit sets (structured mix of vehicle configurations)?
  - b. Should the options be individually priced by vehicle configuration?
  - c. Would you recommend price quantity ranges by configuration (minimum and maximum?)?
  - d. Would you provide quantity discounts for individual vehicles?
  - e. Would you price combined total quantity discounts?
15. What is a reasonable time to ramp up to full rate production?
  - a. Do you expect a difference in lead times depending on the configuration?
  - b. What would be the shortest anticipated lead time? Longest likely lead time?
  - c. What is an economical monthly production rate?
  - d. What is the minimum production rate?
  - e. What is the maximum production rate (without significant additional capital investment)?
  - f. Is there a difference in minimum and maximum rates between configurations?