

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-484
Item to be Scouted	BABA: Digital CCTV Camera
Days to be scouted	30
Response Due By	10/02/2026
Description	TxDOT is seeking U.S. manufacturers of digital CCTV field equipment that can meet Buy America requirements and TxDOT Special Specification 6018. The CCTV equipment will be used for traffic monitoring and must be compatible

Section 2: Technical Information

Type of supplier being sought	Texas Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Fabrication, assembly, and installation of digital CCTV field equipment, including color video camera units; camera lenses, filters, control circuits, and accessories; camera housing; medium-duty pan and tilt units; video and camera control and power cable connectors and assemblies; video, data, and power surge suppression; and built-in ID generator. Materials must be new, corrosion-resistant, and in strict accordance with TxDOT Special Specification 6018
Provide dimensions / size / tolerances / performance specifications for the item	Progressive scan digital CCD or CMOS sensor, 1.2-megapixel or better; support for 720p, 1080p, D1, CIF, and VGA; user-selectable frame rates of 30, 15, 7, 4, 2, and 1 fps; data rate scalable from 64 Kbps to 8 Mbps; H.264 and H.265; signal-to-noise ratio minimum 50 dB; electronic shutter selectable down to at least 1/10,000 sec.; MTBF at least 43,800 hr.; f/1.6 or better glass multi-coated zoom lens with minimum 30X zoom range and minimum 12X digital zoom; total camera weight including housing, sunshield, and internal components not to exceed 25 lb.; pan and tilt unit with at least 180° vertical range and 360° continuous horizontal movement; minimum pan and tilt speed of 20°/sec.; automatic pre-position speed minimum 120°/sec.; minimum 62 presets; input power 115 VAC ±20%, 60 Hz ±3 Hz; maximum power not to exceed 200 W; ambient temperature range -30°F to 165°F; relative humidity 0%–100%; IP-66 or greater for pressurized units and IP-67 or greater for non-pressurized units. See attached TxDOT Special Specification 6018 for complete requirements
List required materials needed to make the product, including materials of product components	Materials must be new and corrosion-resistant. External screws, nuts, and locking washers must be stainless steel. Parts must be made of corrosion-resistant material, including plastic, stainless steel, anodized aluminum, or brass. Materials must be protected from fungus growth and deterioration due to sustained moisture. Dissimilar metals must be separated by an inert dielectric material
Are there applicable certification requirements?	Yes
Details	NEMA TS2 IEC 60529 NEMA 250 BABA Certification Letter
Are there applicable regulations?	Yes
Details	Supplier must complete and submit TxDOT Form 2812 – Buy America Certification
Are there any other standards, requirements, etc.?	No

Additional Technical Comments	CCTV field equipment must integrate with TxDOT Lonestar software and TxDOT TMC CCTV control subsystems by NTCIP 1205 Version 1.08 or higher, ONVIF, or approved equal. Equipment must support Cohu, Pelco D, or Pelco P protocols, or approved equal. Encoded video must be interoperable with hardware and software decoders from at least two other manufacturers in use by TxDOT. A minimum 3-year warranty is required. See attached TxDOT Special Specification 6018 for complete requirements
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Section 4: Business Information

Estimated potential business volume	Approximately 20 cameras per month initially, with potential for increased volume in the future
Estimated target price / unit cost information (if unavailable explain)	Best available, as this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	Procurement planned to begin in January 2027
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Houston, Texas

Additional Comments

Is there other information you would like to include?	Agency providing funds: Texas Department of Transportation Name/POC for BABA related questions: Igor Chebotniagin Email address of contact: <ichebotn@Central.UH.EDU>
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