

ELECTRONIC BOARDS, VARIABLE MESSAGE SIGNS (VMS)

DESCRIPTION	
RESOURCE CATEGORY	Public Works
RESOURCE KIND	Equipment
OVERALL FUNCTION	
COMPOSITION AND ORDERING SPECIFICATIONS	

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	NO TYPE 2	TYPE 3	TYPE 4	NOTES
EQUIPMENT DISPLAY	Solar Powered: - 8-12 characters per line - Up to 3 lines of text. - Height: 45"-80" - Width: 88"-126" - Legibility: 1000'-1300' Gasoline, Diesel, or Solar Powered: - 8-12 characters per line - Up to 3 lines of text. - Height: 45"-80" - Width: 88"-126" - Legibility: 1000'-1300'	Not Applicable	8-10 characters per line 3 lines @ 6"-12" tall Height: 30"-48" Width: 74"-98" LED legible from 400'-650'	6-8 characters per line 3 lines @ 10"-18" tall Height: 30"-48" Width: 74"-98" LED legible from 500'-950'	Not Specified
EQUIPMENT WEIGHT	Solar Powered: - 1150-3000 lbs. Gasoline, Diesel, or Solar Powered: - 1150-3000 lbs	Not Applicable	800lbs. - 1000 lbs.	800 lbs. - 1000 lbs.	Not Specified

COMPONENT	TYPE 1	NO TYPE 2	TYPE 3	TYPE 4	NOTES
EQUIPMENT TRANSPORT & DIMENSIONS	Solar Powered: - Trailer mounted - Transport height: 105" - 110" - Operating height: 158"-167" - Width: 80" - Length: 180"-208" - Weight: 2675 lbs.-3000 lbs. - Ground Clearance: 10.5'-13" Gasoline, Diesel, or Solar Powered: - Trailer mounted - Transport height: 105" - 110" - Operating height: 158"-167" - Width: 80" - Length: 180"-208" - Weight: 2675 lbs.-3000 lbs. - Ground Clearance: 10.5'-13"	Not Applicable	Vehicle mounted Height varies with vehicle and mounting configuration (Over cab mounting, or skid mount in bed)	Vehicle mounted Height varies with vehicle and mounting configuration (Over cab mounting, or skid mount in bed)	Not Specified
EQUIPMENT POWER REQUIREMENTS	Solar Powered: - Solar Panels 360° (w/tilt from 0 to 35° and batteries) and/or - Lead acid batteries. (Deep cycle) Gasoline, Diesel, or Solar Powered: - Min. 4 hp diesel /gasoline generator and/or - Lead acid batteries. (deep cycle)	Not Applicable	12 volt DC (Optional 100 Watt solar configuration)	12 volt DC (Optional 100 Watt solar configuration)	Not Specified

COMPONENT	TYPE 1	NO TYPE 2	TYPE 3	TYPE 4	NOTES
EQUIPMENT CONTROLLER	Solar Powered: - Hand-held - Backlit - LCD - Stores up to 300 Messages - Weatherproof Gasoline, Diesel, or Solar Powered: - Hand-held - Backlit - LCD - Stores up to 300 Messages - Weatherproof	Not Applicable	Hand-held Backlit LCD Stores from 80-100 Messages	Hand-held Backlit LCD Stores from 80-100 Messages	Not Specified
EQUIPMENT DESCRIPTION	Solar Powered: - Self-contained solar powered, portable trailer mounted with truck hitch - Programmable display Gasoline, Diesel, or Solar Powered: - Self-contained, gasoline, diesel, or solar powered, portable trailer mounted with truck hitch - Programmable display	Not Applicable	Vehicle mounted, programmable multi-line display with hydraulic lift to raise and lower	Vehicle mounted, programmable single-line display with hydraulic lift to raise and lower	Not Specified

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NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

REFERENCES

FEMA, National Incident Management System (NIMS), October 2017

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