**TECHNICAL MANUAL**

# TRANSPORTABILITY GUIDANCE

# MIXER, ROTARY TILLER, M076

**(NSN 3895-01-141-0882)**

**H E A D Q U A R T E R S , D E P A R T M E N T O F T H E A R M Y**

**MAY 1987**

TECHNICAL MANUAL
No. 55-3895-359-14

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *12 May 1987*

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# CHAPTER 1

# INTRODUCTION

## 1-1. Purpose and scope

*a.* This manual provides transportability guidance for logistical handling and movement of the M076, rotary tiller mixer. It contains information considered appropriate for safe transport of the item. Included are significant technical and physical characteristics with safety considerations required for worldwide movement by the various transportation modes. Where needed, metric equivalents are given in parentheses after the US dimensions.

*b.* This manual is intended for transportation officers and other personnel responsible for movement or transportation services.

## 1-2. Safety

Appropriate precautionary measures required during movement of the item are contained in chapter 3.

## 1-3. Definitions of warnings, cautions, and notes

When used in this manual, warnings, cautions, and notes emphasize important or critical guidance. They are used for the following conditions:

*a. Warning*. Instructions that, if not followed, could result in injury to or death of personnel.

*b. Caution*. Instructions that, if not strictly observed, could result in damage to or destruction of equipment.

*c. Note*. An operating procedure that must be emphasized.

## 1-4. Reporting of publication improvements

Users of this manual are encouraged to recommend changes and submit comments for its improvement. Comments should be prepared on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and sent to Commander, Military Traffic Management Command Transportation Engineering Agency, ATTN: MTT-TRV (F. Mika), PO Box 6276, Newport News, VA 23606-0276. Electrically transmitted comments should be addressed to CDR MTMCTEA FT EUSTISII/MTT-TRV//.

# CHAPTER 2

# TRANSPORTABILITY DATA

## Section I. GENERAL

### 2-1. Scope
This chapter provides a general description and identification of the M076 rotary tiller mixer (fig 2-1), as well as tabulated transportability characteristics that are necessary in movement of the item.

### 2-2. Description
*a.* General. The mixer consists of a diesel-engine-driven rotary soil tiller, a hydraulic traction drive, an additive pump and spray bar, a travel speed indicator, a flow meter, and necessary controls, all mounted on four rubber-tired wheels. The mixer is capable of a 7-foot mixing width and all types of soil stabilization to include bituminious stabilizations with asphalt outbacks and emulsions, cement, lime, and chloride.

### 2-3. Transportability drawings
Detailed side- and end-view transportability drawings of the mixer, with dimensions and tiedown and lift provision load-rating capacities, are shown in figures 2-2 through 2-4.

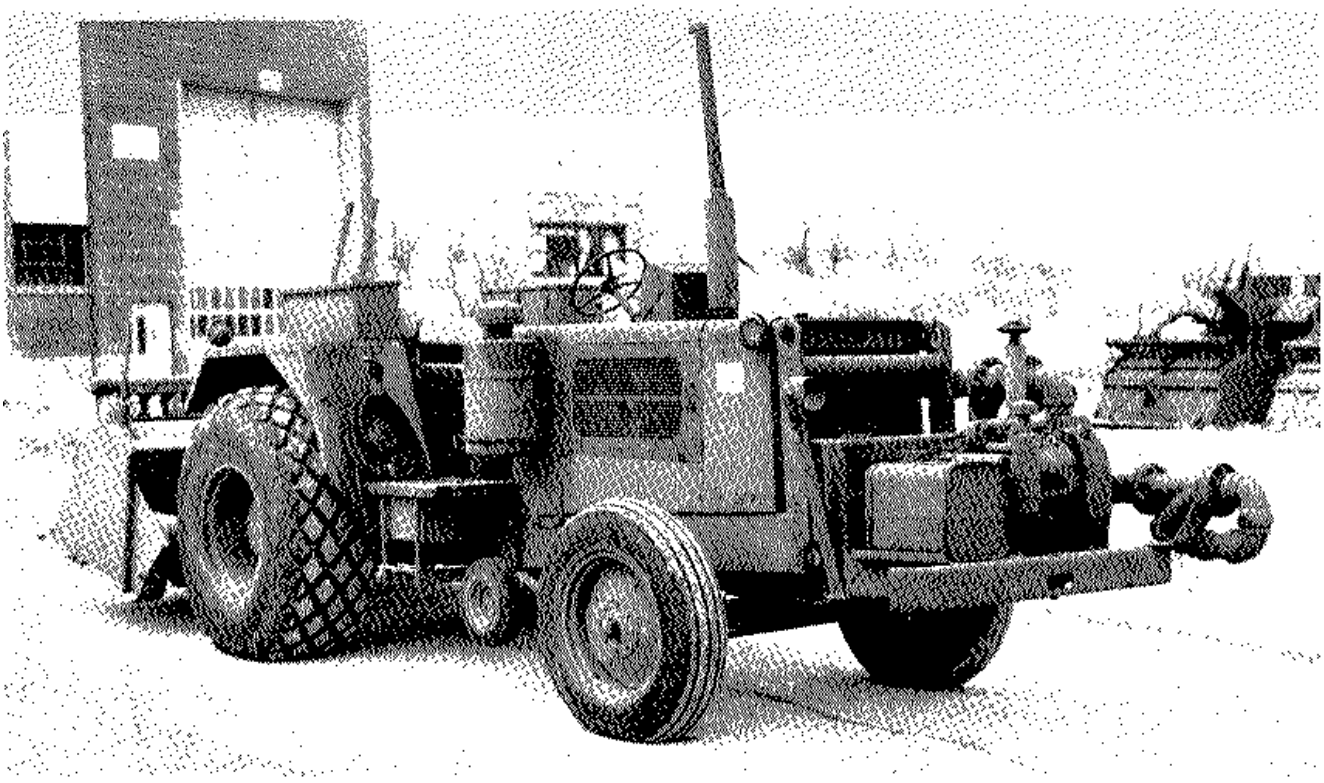

*Figure 2-1. M076 rotary tiller mixer.*

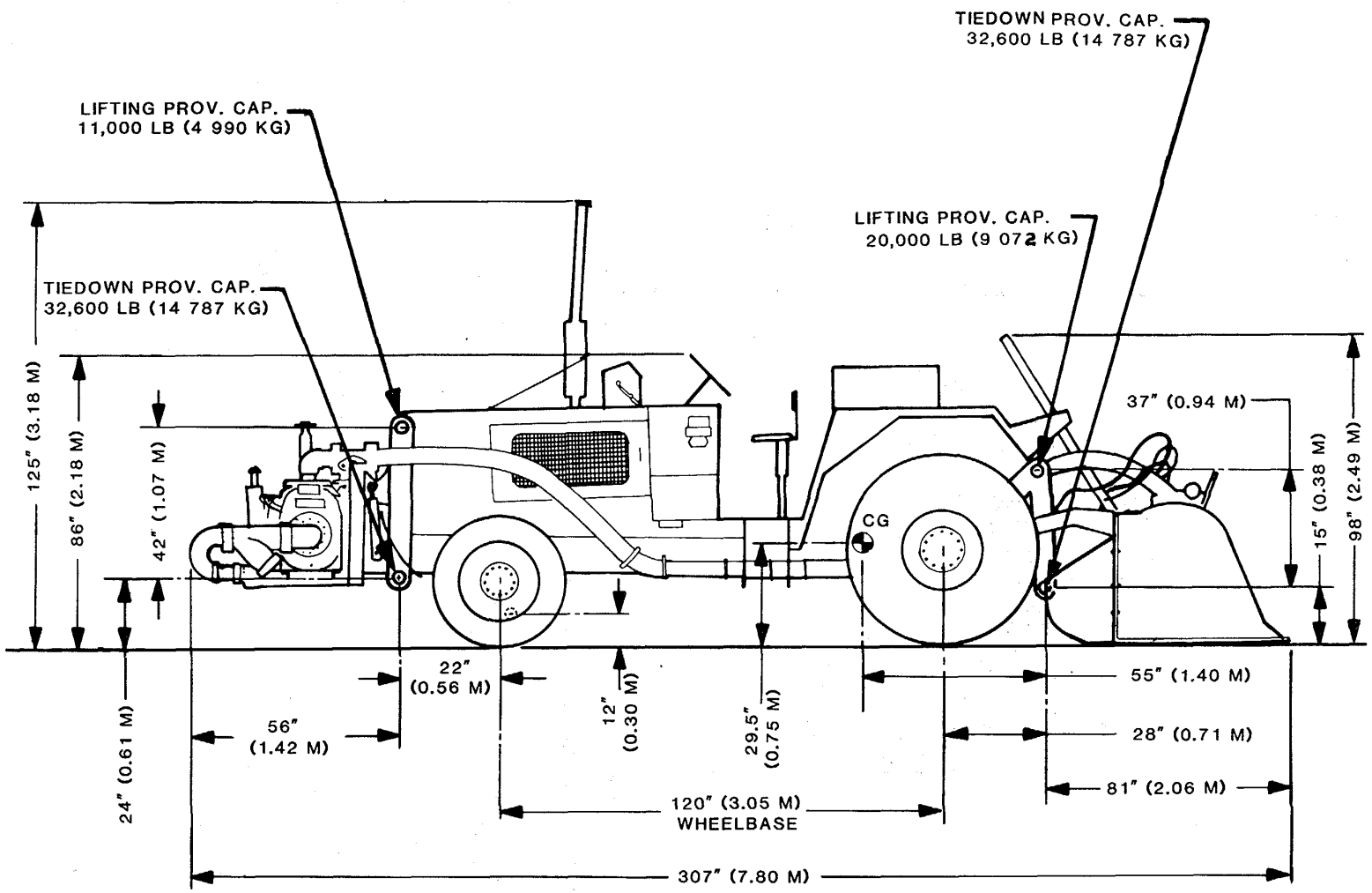


*Figure 2-2. Left-side view of the M076 rotary tiller mixer.*