MAINTENANCE TECHNICAL SUPPORT CENTER / MAINTENANCE POLICIES & PROGRAMS ENGINEERING / UNITED STATES POSTAL SERVICE

# maintenance management order

**SUBJECT:** PM Guidelines for Towveyor (Takeaway), Type F (ACCO) **DATE:** July 28, 1998

NO: MMO-050-98

TO: Bulk Mail Centers

FILE CODE: Y

dewa:M94154AC

|          |           | Online Change Record   |  |  |  |  |  |  |  |  |  |  |  |  |
|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Change # | Date      | Description of Change  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2        | 4/21/2022 | Attachment 2, corrected skill level 4, no longer in use, to 7.   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1        | 5/16/2013 | This bulletin has been updated to reflect changes to the Attachment<br>1 Summary. The times have been updated to reflect accurate rollup<br>times using the standard two decimal place rounding. |  |  |  |  |  |  |  |  |  |  |  |  |

This Maintenance Management Order (MMO) provides Preventive Maintenance guidelines for Towveyor (Takeaway), Type F (ACCO) and supersedes Maintenance Checklist BO72.

The minimum maintenance skill level to perform each task on the various checklists is included in the Minimum Skill Level column. This does not preclude higher level employees from performing any of this work.

# WARNING

Various products which require Material Safety Data Sheets (MSDS) may be utilized during the performance of the procedures in this bulletin. Ensure the current MSDS for each product used is on file and available by all employees. When reordering such a product, it is suggested that a current MSDS be requested.

The workhours represented in this MMO reflect the maximum workhours required to maintain the equipment. Given local conditions, management may modify task frequencies.

For questions or comments concerning this bulletin contact the MTSC HelpDesk, either online at **MTSC>HELPDESK>Create/Update Tickets** or call (800) 366-4123.

Rex M. Gallaher Manager Maintenance Technical Support Center Maintenance Policies and Programs

Attachments: 1. Summary of Revised Workload Estimate

2. Towveyor (Takeaway), Type F (ACCO) Master Checklist

# ATTACHMENT 1

# -SUMMARY-

#### **REVISED WORKLOAD ESTIMATE**

#### FOR

#### TOWVEYOR (TAKEAWAY), TYPE F (ACCO)

| Routine<br>Servicing<br>(hrs/yr)  |    | lepair*<br>nrs/yr) | Total Servicing &<br>Repair Time<br>(hrs/yr) | Nonproductive<br>Time **<br>(hrs/yr) | Total Servicing Per<br>Machine<br>(hrs/yr) |  |  |  |  |  |  |  |
|---|----|--------------------|--|--------------------------------------|--|--|--|--|--|--|--|--|
| 25.7  | 78 | 7.74               | 33.51  | 3.35                                 | 36.87                                      |  |  |  |  |  |  |  |
| <ul> <li>* Repair estimates based on 30% of servicing.</li> <li>** Based on 10% of total servicing and repair.</li> </ul> |    |                    |  |                                      |  |  |  |  |  |  |  |  |
|   |    |                    | TIME TOTALS                                  | <u>6</u>                             |  |  |  |  |  |  |  |  |
|   |    | Monthly Tim        | <u>e Total:</u>                              | 1.23 Hrs. ***                        |  |  |  |  |  |  |  |  |

| Quarterly Time Total:   | 2.02 Hrs. *** |
|-------------------------|---------------|
| Semi-Annual Time Total: | 0.60 Hrs. *** |

Annual Time Total: 0.53 Hrs. \*\*\*

#### NOTE

The time shown does not allow for multiple assemblies on any equipment. Should multiple assemblies exist, the time must be modified at the local level to account for those occurrences. Other unique site conditions that requires additional time are to be addressed at the local level.

\*\*\* These times are provided for data entry for the MARS System.

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# **ATTACHMENT 2**

## TOWVEYOR (TAKEAWAY), TYPE F MASTER CHECKLIST

#### 03-TOWVE-ZZ-006-M

The "Part or Component" column for each step on the Master Checklist provides a "Frequency Code" designation followed by a letter or series of letters. These letters correspond to the frequency codes as published in MS-63 and specify the frequency for which that instruction (step) must be performed. These frequency codes are in compliance with NMICS superseding route structure. The possible frequencies and their codes are given in the table below:

#### Table 2-1. MS-63 (NMICS) Frequency-Codes

| <u>CODE</u>                           | FREQUENCY  | DESCRIPTION  |
|---------------------------------------|--|--|
| A B C D E F G H J K L M N P Q S T U V | ANNUAL<br>BI-WEEKLY<br>BI-MONTHLY<br>DAILY<br>DAILY<br>DAILY<br>DAILY<br>DAILY<br>DAILY<br>DAILY<br>BI-ANNUAL<br>TRI-ANNUAL<br>TRI-ANNUAL<br>QUAD-ANNUAL<br>QUINT-ANNUAL<br>QUINT-ANNUAL<br>QUINT-ANNUAL<br>TOURLY<br>TOURLY | Once every 13 APs.<br>Once every 2 weeks<br>Once every 2 APs.<br>Once a day; 7 days a week.<br>Once a day; 6 days a week.<br>Once a day; 5 days a week.<br>Once a day; 4 days a week.<br>Once a day; 3 days a week.<br>Once a day; 3 days a week.<br>2 days a week.<br>Once every 2 years.<br>Once every 2 years.<br>Once every 3 years.<br>Once every 4 years.<br>Once every 4 years.<br>Once every 5 years.<br>4 times every 13 APs.<br>Twice every 13 AP.<br>3 times a day; 7 days a week.<br>Twice a day; 7 days a week. |
| W<br>X<br>Y<br>Z                      | WEEKLY<br>TOURLY<br>TOURLY<br>TOURLY   | Once a week.<br>Twice a day; 6 days a week.<br>3 times a day; 5 days a week.<br>Twice a day; 5 days a week.  |

| 101010-030-90  |             | Maintenance reciffical Support Cente  |  |   |   |  |  |  |  |   |                       |                       |
|--|-------------|---|--|---|---|--|--|--|--|---|-----------------------|-----------------------|
| U  | I.S. Posta  | Service   |  |   |   |  | NTIF                                       | ICATI  |  |   |                       |                       |
| Maint  | enance      | e Checklist   | Work<br>Code   | E   | Equipm<br>Acrony  |  |  | Cla:<br>Coo                                    |  | Nu  | mber                  | Туре                  |
|  |             |   | 0 3  | ΤC  |   |  | Ε  |  | Ζ  | -   | 06                    | M                     |
| Equipment Nomencla                                     |             | EAWAY), TYPE F  | Equipme  | ent Mode  | I   |  |  | ilenar<br><b>54A</b>                           |  | Frequ   | ency<br>ALL           |                       |
|  |             | LAWAI), IIFLI   |  |   |   | IVI  | <u> 34 I</u>                               | <b>J</b> 4A                                    | 0  |   | ALL                   |                       |
| Part or<br>Component                                   | Item<br>No. |   | sk Stateme<br>with all cu  |   |   |  | ons)                                       |  |  |   | Est.<br>Time<br>Req'd | Min<br>Skill<br>Level |
| SAFETY<br>STATEMENT<br>Frequency<br>Code:<br>-M-Q-S-A- | 1.          | COMPLY WITH<br>Disconnect pow<br>appropriate while<br>air pressure is re<br>pressure (30 psi o<br>(goggles or face s<br>compressed air f<br>employees are clo<br>deficiencies to yo<br>detection. | er an<br>workin<br>quired<br>or less)<br>shield)<br>for clea<br>ear of | id a<br>g on<br>for c<br>) air s<br>must<br>aning.<br>the m | ctiva<br>this<br>leani<br>sourc<br>be u<br>Cho<br>nachi | te<br>equ<br>ing,<br>ce.  <br>sed<br>eck<br>ine. | loc<br>ipm<br>use<br>Eye<br>wh<br>to<br>Re | kou<br>ent.<br>a<br>pro<br>en u<br>ens<br>port | ts<br>W<br>low<br>tec<br>tili<br>ure<br>sa | as<br>here<br>/ air<br>tion<br>zing<br>a all<br>afety | 3<br>min              | All                   |
| AA-1<br>Frequency<br>Code:<br>-M-Q-S-A-                | 2.          |   | <b>CHECK FOR MAIL</b> Look for loose mail while performing activities. |   |   |  |  |  |  |   |                       |                       |
|  |             |   | WA   | RNIN  | G   |  |  |  |  |   |                       |                       |
|  |             | Eye protecti<br>must be wor<br>steam, or h<br>device for cle  | n when<br>igh pro  | using<br>essur  | g cor   | npre   | esse                                       | ed ai  | r,   |   |                       |                       |
| CH-1<br>TOWPIN   | 3.          | CLEAN CHAIN C   |  |   |   |  |  |  |  |   | 1<br>min/             | 7                     |
| Frequency<br>Code:<br>S-A-                             |             | 1. Clean cha<br>cleaner/wa<br>(1) comple  | sher de  | evice.  |   |  |  |  |  |   | 10ft.<br>of<br>chain  |                       |
|  |             | 2. Remove<br>vacuuming  | foreign<br>J.  | mat   | erial   | b  | y I  | olow   | ing  | or  |                       |                       |
| Frequency<br>Code:<br>-M-Q-S-A-                        | 4.          | LUBRICATE CHAI<br>Make at least two (<br>automatic lubricator   | (2) com  | •   |   |  |  |  |  |   | 0.22<br>min/<br>10ft. | 7                     |

| · · · ·                                | J.S. Posta | l Service   |  |   | IDENTIE                           | ICATION                         |                        |                      |                  |  |  |
|--|------------|---|--|---|-----------------------------------|---------------------------------|------------------------|----------------------|------------------|--|--|
|  |            | e Checklist   | Work                                       | Equipm                                  | ent                               | Class                           | ы.                     | h n                  | True             |  |  |
| waint                                  | enance     | e unecklist   | Code <b>0 3</b>                            | Acrony                                  | /m<br><b>V E</b>                  | Code                            |                        | mber<br>06           | Туре<br><b>М</b> |  |  |
| Equipment Nomencla                     |            |   | Equipme                                    | nt Model                                | Bulletin F                        | ilename                         | Frequ                  | ency                 | 141              |  |  |
| TOWVEYOR                               | R (TAK     | EAWAY), TYPE F  | A  | 000                                     | M941                              | 54AC                            |                        | ALL                  |                  |  |  |
| Part or                                | Item       |   |  | ent and Instruct                        |                                   |                                 |                        | Est.                 | Min              |  |  |
| Component                              | No.        | (Comply   | with all cur                               | rent safety pre                         | cautions)                         |                                 |                        | Time<br>Req'd        | Skill<br>Level   |  |  |
| SYSTEM<br>Frequency<br>Code:<br>Q-S-A- | 5.         | <b>POWER DOWN</b><br>down the equipme<br>prescribed by the<br>developed in acco<br>Management Orde<br>procedures. | nt and I<br>proced<br>rdance v             | ockout its<br>ures conta<br>with, the c | electrica<br>ained in<br>urrent N | al powe<br>n, or lo<br>⁄lainten | er as<br>cally<br>ance | 1<br>min             | 7                |  |  |
| CH-1<br>TOWPIN                         | 6.         | CHECK CHAIN.  | ECK CHAIN Check chain for bent, cracked, o |   |                                   |                                 |                        |                      |                  |  |  |
| Frequency<br>Code:<br>Q-S-A-           |            |   |  |   |                                   |                                 |                        | 10ft.<br>of<br>chain |                  |  |  |
| Frequency<br>Code:<br>-M-Q-S-A-        | 7          | <b>REMOVE COVER</b><br>barricades around o  |  |   | cover p                           | olates. I                       | Erect                  | 10<br>min            | 7                |  |  |
|  |            |   | WA   | RNING                                   |                                   |                                 |                        |                      |                  |  |  |
|  |            | Eye protect<br>must be wor<br>for cleaning.   | n when                                     |   |                                   |                                 |                        |                      |                  |  |  |
| Frequency<br>Code:<br>-M-Q-S-A-        | 8.         | CHECK LUBRICA<br>lubricator. Refill an  |  |   |                                   |                                 | chain                  | 6<br>min             | 7                |  |  |
| CB-1<br>CLEANOUT<br>BOX                | 9.         | CLEAN BOXES.<br>cleanout boxes.   | - Clea                                     | n all fore                              | eign ma                           | aterial                         | from                   | 15<br>min            | 7                |  |  |
| Frequency<br>Code:<br>-M-Q-S-A-        |            |   |  |   |                                   |                                 |                        |                      |                  |  |  |

| U.S. Postal Service         | IDENTIFICATION  |   |        |          |   |   |               |       |        |           |   |      |   |
|-----------------------------|-----------------|---|--------|----------|---|---|---------------|-------|--------|-----------|---|------|---|
| Maintenance Checklist       | Wo<br>Co        |   | = -1 1 |          |   |   | Class<br>Code |       | Number |           |   | Туре |   |
|                             | 0               | 3 | Т      | 0        | W | V | Е             | Ζ     | Ζ      | 0         | 0 | 6    | Μ |
| Equipment Nomenclature      | Equipment Model |   |        |          |   |   | etin F        | ilena | ime    | Frequency |   |      |   |
| TOWVEYOR (TAKEAWAY), TYPE F | ACCO            |   |        | M94154AC |   |   |               | ALL   |        |           | - |      |   |
|                             | •               |   |        |          |   |   |               |       |        |           |   |      |   |

| Part or   | Item | Task Statement and Instruction               | Est.  | Min   |
|-----------|------|--|-------|-------|
| Component | No.  | (Comply with all current safety precautions) | Time  | Skill |
|           |      |  | Req'd | Level |

# WARNING

Eye protection (goggles or face shield) must be worn when using compressed air for cleaning.

WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

| RT-1<br>ROLLER<br>TURN       | 10. | <ul><li>CLEAN ROLLER TURNS Clean roller turns as follows:</li><li>1. Clean dirt and foreign material from roller turns.</li></ul> | 8<br>min  | 7 |
|------------------------------|-----|---|-----------|---|
| Frequency<br>Code:           |     | 2. Clean with solvent, and blow dry.  |           |   |
| Q-S-A-                       |     | 3. Lubricate with GL-2.   |           |   |
| Frequency<br>Code:<br>Q-S-A- | 11. | <b>CHECK ROLLERS.</b> - Check rollers for wear, gouging, and wobble. Check mounting bolts.  | 2<br>min  | 7 |
| DA-1 DRIVE<br>ASSEMBLY       | 12. | <b>CLEAN MOTOR AND REDUCER.</b> - Clean motor and reducer as follows:   | 10<br>min | 7 |
| Frequency<br>Code:           |     | 1. Clean motor and reducer by wiping.   |           |   |
| Q-S-A-                       |     | 2. Clean vent hole and cooling fins as applicable.  |           |   |
| Frequency<br>Code:<br>Q-S-A- | 13. | <b>CHECK MOTOR AND HOUSING.</b> - Check motor and reducer housing for evidence of lubrication leakage.                            | 5<br>min  | 7 |

| U                                 | J.S. Posta  | I Service                                   |  | IDENTIFICATION             | -      |                       |                       |
|-----------------------------------|-------------|---|--|----------------------------|--------|-----------------------|-----------------------|
| Maint                             | enance      | e Checklist                                 | Work Equipm<br>Code Acrony                               |                            | Num    | nber                  | Туре                  |
|                                   |             |   | 0 3 T O W  | VEZZ                       | 0 0    |                       | M                     |
| Equipment Nomencla                |             | EAWAY), TYPE F                              | Equipment Model ACCO                                     | Bulletin Filename M94154AC | Freque | ency<br>ALL           |                       |
|                                   |             | LAWAI), IIFLI                               | ACCO   | W134134AC                  |        | ALL                   |                       |
| Part or<br>Component              | Item<br>No. |   | sk Statement and Instruct<br>with all current safety pre |                            |        | Est.<br>Time<br>Req'd | Min<br>Skill<br>Level |
| DA-1 DRIVE<br>ASSEMBLY<br>(Cont.) | 14.         | CHECK GREASE<br>grease level and be         | arings as follows:                                       |                            |        | 20<br>min             | 7                     |
| Frequency<br>Code:<br>Q-S         |             | -   | ase level of reduce<br>nay be replaced as                |                            | illea. |                       |                       |
| Frequency<br>Code:<br>A-          | 15.         | <b>GREASE BEARIN</b><br>bearings as applica |  | notor and rec              | ducer  | 2<br>min              | 7                     |
| Frequency<br>Code:<br>A-          | 16.         | Drain and Refill R<br>out old lubricant and |  | mble reducer, o            | clean  | 30<br>min             | 7                     |
| Frequency<br>Code:                | 17.         | CHECK AND CL<br>Check and clean V-          | _  | -                          | S      | 8<br>min              | 7                     |
| Q-S-A-                            |             | 1. Check V-<br>alignment.                   | belts and sheav  | es for wear                | and    |                       |                       |
|                                   |             |   | ign material from<br>with clean rags.                    | belts and she              | aves   |                       |                       |
|                                   |             | 3. Check she                                | ave set screws an  | d belt tension.            |        |                       |                       |
| Frequency<br>Code:<br>Q-S-A-      | 18.         | CHECK AND CLE<br>clean speed switch         |  | TCH Check                  | and    | 10<br>min             | 7                     |
| 2011                              |             | 1. Check criti                              | cal speed switch.  |                            |        |                       |                       |
|                                   |             | 2. Check flex and damage                    | ible coupling and ge.                                    | set screws for             | wear   |                       |                       |
|                                   |             | 3. Wipe clear                               | ۱.   |                            |        |                       |                       |

| U.S. Postal Service         | IDENTIFICATION |      |                   |      |   |      |        |               |     |        |      |    |      |
|-----------------------------|----------------|------|-------------------|------|---|------|--------|---------------|-----|--------|------|----|------|
| Maintenance Checklist       | Work<br>Code   |      | Equipme<br>Acrony |      |   |      |        | Class<br>Code |     | Number |      |    | Туре |
|                             | 0              | 3    | Т                 | 0    | W | V    | Ε      | Ζ             | Ζ   | 0      | 0    | 6  | Μ    |
| Equipment Nomenclature      | Equ            | ipme | nt M              | odel |   | Bull | etin F | ilena         | ame | Free   | quen | су |      |
| TOWVEYOR (TAKEAWAY), TYPE F |                | Α    | ACCO              |      |   | M    | 941    | 54AC          |     | ÅLL    |      |    | -    |
|                             |                |      |                   |      |   |      |        |               |     |        |      |    |      |

| Part or   | Item | Task Statement and Instruction               | Est.  | Min   |
|-----------|------|--|-------|-------|
| Component | No.  | (Comply with all current safety precautions) | Time  | Skill |
|           |      |  | Req'd | Level |

# WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

| DA-1 DRIVE<br>ASSEMBLY<br>(Cont.) | 19. | CHECK AND CLEAN SPROCKET Check and clean 5 4 min  |
|-----------------------------------|-----|---|
| · · · ·                           |     | 1. Check sprocket for wear and alignment.   |
| Frequency<br>Code:<br>Q-S-A-      |     | 2. Wrench test set screws.  |
| Q-0-A-                            |     | 3. Clean sprocket with solvent and rags.  |
| Frequency<br>Code:<br>Q-S-A-      | 20. | CHECK FLUID, SET SCREWS, AND KEYWAYS 10 7<br>Check fluid level, set screws, and keyways as follows: min |
| Q-0-A-                            |     | 1. Check fluid level in coupling.   |
|                                   |     | 2. Check set screws and keyways for tightness.  |

| U.S. Postal Service         |                 |         | IDENTIFICATION   |   |                   |   |       |               |    |        |  |      |   |
|-----------------------------|-----------------|---------|------------------|---|-------------------|---|-------|---------------|----|--------|--|------|---|
| Maintenance Checklist       |                 |         | Equipm<br>Acrony |   |                   |   |       | Class<br>Code |    | Number |  | Туре |   |
|                             | 0               | de<br>3 | TOWVE            |   | Z                 | Z | 0 0 6 |               | M  |        |  |      |   |
| Equipment Nomenclature      | Equipment Model |         |                  |   | Bulletin Filename |   |       | Frequency     |    |        |  |      |   |
| TOWVEYOR (TAKEAWAY), TYPE F |                 | A       | CC               | 0 |                   | Μ | 941   | 54A           | NC |        |  | ÁLL  | - |
|                             |                 |         |                  | - |                   |   | -     | -             |    |        |  |      |   |

|           |      |  |       | -     |
|-----------|------|--|-------|-------|
| Part or   | Item | Task Statement and Instruction               | Est.  | Min   |
| Component | No.  | (Comply with all current safety precautions) | Time  | Skill |
|           |      |  | Req'd | Level |

# WARNING

Eye protection (goggles or face shield) must be worn when using compressed air for cleaning.

# WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

| CATERPILLAR<br>CHAIN         | 21. | <b>CLEAN AND LUBRICATE CHAIN.</b> - Clean and lubricate caterpillar chain as follows:                                  | 20<br>min | 7 |
|------------------------------|-----|--|-----------|---|
| Frequency<br>Code:           |     | <ol> <li>Clean caterpillar chain by brushing on solvent<br/>and blow or wipe dry.</li> </ol>                           |           |   |
| Q-S-A-                       |     | 2. Lubricate with GL-1.  |           |   |
|                              |     | 3. Wipe up excess.   |           |   |
| Frequency<br>Code:<br>Q-S-A- | 22. | <b>CHECK CHAIN TENSION.</b> - Check caterpillar drive chain for proper tension. Use take-up bar to adjust if required. | 15<br>min | 7 |
| Frequency<br>Code:<br>Q-S-A- | 23. | <b>CHECK LUBRICATOR</b> Check condition of chain lubricator. Refill and clean reservoir as necessary.                  | 6<br>min  | 7 |

| U.                              | S. Posta                          | Service   |  |            |         | IDENTIF  |          |      |               |                |
|---------------------------------|-----------------------------------|---|--|------------|---------|----------|----------|------|---------------|----------------|
| Mainte                          | WorkEquipmentClassCodeAcronymCode |   |  |            |         | Nur      | Туре     |      |               |                |
|                                 |                                   |   | 03   | TO         | W       | V E      | ZZ       | -    | 0 6           | Μ              |
| Equipment Nomenclat             |                                   | EAWAY), TYPE F  | Equipment Model     Bulletin Filename     Free       ACCO     M94154AC |            |         |          |          |      | ency<br>ALL   |                |
| Part or                         | Item                              | Task Statement and Instruction  |  |            |         |          |          |      | Est.          | Min            |
| Component                       | No.                               | (Comply   | with all curi  | ent safety | / preca | autions) |          |      | Time<br>Req'd | Skill<br>Level |
| CATERPILLAR<br>CHAIN (Cont.)    | 24.                               | <b>CLEAN BARS</b> Cl<br>1. Clean back                                     |  |            |         |          | /iping.  |      | 30<br>min     | 7              |
| Frequency<br>Code:<br>S-A-      |                                   | 2. Remove ha  | ardened  | deposi     | ts w    | ith solv | ent.     |      |               |                |
| 0,11                            |                                   | 3. Lubricate excess.  | by bru   | shing      | with    | GL-2     | . Wipe   | e up |               |                |
| TW-1<br>TRACTION<br>WHEEL       | 25.                               | CHECK AND LUBP<br>and lubricate tractio                                   |  |            | -       | N WHE    | EL C     | heck | 15<br>min     | 7              |
| Frequency<br>Code:              |                                   | <ol> <li>Check traction wheel for wobbly or slop<br/>rotation.</li> </ol> |  |            |         |          |          |      |               |                |
| -M-Q-S-A-                       |                                   | 2. Grease fitti   | ings.  |            |         |          |          |      |               |                |
|                                 |                                   | 3. Clean Pit.   |  |            |         |          |          |      |               |                |
| TU-1<br>TAKE-UP<br>ASS'Y        | 26.                               | CHECK AND LUBP<br>assembly. Lubricat                                      |  |            |         | - Chec   | k Take   | -up  | 5<br>min      | 7              |
| Frequency<br>Code:<br>S-A-      |                                   |   |  |            |         |          |          |      |               |                |
| AT-1 TRACK                      | 27.                               | CHECK TRACK -   | Check e  | ntire le   | ngth    | n of tra | ck for I | oose | 1<br>min/     | 7              |
| Frequency<br>Code:<br>-M-Q-S-A  |                                   | fical baro.   |  |            |         |          |          |      | 50 ft.        |                |
| ZZ-1 ROUTE<br>COMPLETION        | 28.                               | REPLACE PLATES  | <b>6</b> Repl  | ace all    | cove    | er plate | S.       |      | 10<br>min     | 7              |
| Frequency<br>Code:<br>-M-Q-S-A- |                                   |   |  |            |         |          |          |      |               |                |
| CLEAN-UP                        | 29.                               | CLEAN- UP Ensuremoved from the  |  |            |         |          | •        |      | 3<br>min      | All            |

| U                               | IDENTIFICATION |  |                   |                   |                |       |       |               |                |               |                |
|---------------------------------|----------------|--|-------------------|-------------------|----------------|-------|-------|---------------|----------------|---------------|----------------|
| Mainte                          | nance          | e Checklist  | Work<br>Code      |                   | uipme<br>crony | ent   |       | Class<br>Code | NI             | umber         | Tupo           |
| mainte                          |                | Oncokiist  | 0 3               | ΤΟ                | W              |       | Е     | ZZ            | 0              | 0 6           | Туре<br>М      |
| Equipment Nomencla              |                |  | Equipme           | nt Model          |                | Bulle | tin F | ilename       | -              | uency         |                |
| TOWVEYOR                        | (TAKI          | EAWAY), TYPE F   | Δ                 | 0030              |                | M9    | 941   | 54AC          |                | ALL           | I              |
| Part or                         | Item           | Tas  | sk Stateme        | ent and Ins       | structio       | on    |       |               |                | Est.          | Min            |
| Component                       | No.            | (Comply with all current safety precautions) Ti                          |                   |                   |                |       |       |               |                | Time<br>Req'd | Skill<br>Level |
| Frequency<br>Code:<br>-M-Q-S-A- |                | your supervisor.   |                   |                   |                |       |       |               |                |               |                |
|                                 |                | Be cautious  |                   | RNING<br>workin   |                | roun  | nd o  | or on         |                |               |                |
|                                 |                | equipment w  | hen po            | wer ha            | s be           | en a  | app   | lied.         |                |               |                |
| SYSTEM                          | 30.            | <b>RESTORE EQUIP</b><br>equipment to servi                               | MENT              |                   | -              | VICI  |       |               | store<br>lures | •             | All            |
| Frequency<br>Code:<br>-M-Q-S-A- |                | contained in, or loca<br>current Maintenai<br>providing lockout/re       | ally dev<br>nce M | eloped<br>1anager | in ao<br>nent  | ccord |       | ce with       |                | ;             |                |
| START-UP                        | 31.            | <b>START-UP</b> Perf<br>follows:   | orm no            | ormal s           | tart-          | up    | pro   | cedure        | s as           | 5<br>min      | All            |
| Frequency<br>Code:<br>-M-Q-S-A- |                | 1. Start or preset equipment.  |                   |                   |                |       |       |               |                |               |                |
| -M-Q-O-A-                       |                | 2. Check for   | proper o          | operatio          | n.             |       |       |               |                |               |                |
|                                 |                | <ol> <li>Report all<br/>order to ir<br/>make nece<br/>debris.</li> </ol> | nitiate a         | ny nec            | essa           | ary v | vor   | k orde        | rs to          | 1             |                |
|                                 |                |  |                   |                   |                |       |       |               |                |               |                |