

MAINTENANCE TECHNICAL SUPPORT CENTER  
HEADQUARTERS MAINTENANCE OPERATIONS  
UNITED STATES POSTAL SERVICE



# Maintenance Management Order

**SUBJECT:** PM Guidelines for Towveyor (Bypass),  
Type E (Link Belt)

**DATE:** March 24, 2000

**NO:** MMO-024-00

**TO:** Bulk Mail Centers

**FILE CODE:** Y

dewa:M94150AC

| Online Change Record |            |   |
|----------------------|------------|---|
| Change #             | Date       | Description of Change   |
| 2                    | 4/26/2022  | Attachment 2, corrected skill level 4, no longer in use, to level 7.  |
| 1                    | 05/20/2021 | Updated to reflect changes to the Attachment 1 Summary. The times have been updated to reflect accurate rollup times using the standard two decimal place rounding. |

This Maintenance Management Order (MMO) provides Preventive Maintenance (PM) guidelines for Towveyor (Bypass), Type E (Link Belt) and supersedes Maintenance Checklist BO71.

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 that 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 (Bypass), Type E (Link Belt) Master Checklist

**THIS PAGE BLANK**

**ATTACHMENT 1****-SUMMARY-****REVISED WORKLOAD ESTIMATE****FOR****TOWVEYOR (BYPASS), TYPE E (LINKBELT)**

| Routine Servicing<br>(hrs/yr.) | Repair*<br>(hrs/yr.) | Total Servicing &<br>Repair Time<br>(hrs/yr.) | Nonproductive<br>Time **<br>(hrs/yr.) | Total Servicing<br>Per Machine<br>(hrs/yr.) |
|--------------------------------|----------------------|---|---------------------------------------|---|
| 20.23                          | 6.08                 | 26.30   | 2.63                                  | 28.94                                       |

\* Repair estimates based on 30% of servicing.

\*\* Based on 10% of total servicing and repair.

**TIME TOTALS**

Monthly Time Total: 1.16 Hrs. \*\*\*

Quarterly Time Total: 1.02 Hrs. \*\*\*

Semi-Annual Time Total: 0.22 Hrs. \*\*\*

Bi-Annual Time Total: 1.25 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 VMARS System.

**THIS PAGE BLANK**

**ATTACHMENT 2****TOWVEYOR (BYPASS), TYPE E (LINK BELT) MASTER CHECKLIST**

03-TOWVE-BA-004-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 VMARS superseding route structure. The possible frequencies and their codes are given in the table below:

**Table 2-1. MS-63 (VMARS) Frequency-Codes**

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

|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

  

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

- |  |  |                   |     |
|--|--|-------------------|-----|
| SAFETY STATEMENT<br><br>Frequency Code:<br>-M-Q-S----K | 1. <b>COMPLY WITH ALL SAFETY PRECAUTIONS.</b> - Disconnect power and activate lockouts as appropriate while working on this equipment. Where air pressure is required for cleaning, use a low air pressure (30 psi or less) air source. Eye protection (goggles or face shield) must be used when utilizing compressed air for cleaning. Check to ensure all employees are clear of the machine. Report safety deficiencies to your supervisor immediately upon detection. | 3 min.            | All |
| AA-1<br>Frequency Code:<br>-M-Q-S----                  | 2. <b>CHECK FOR MAIL.</b> - Look for loose mail while performing activities.   | 2.5 min.          | 7   |
| CH-1<br>TOWPIN<br><br>Frequency Code:<br>-M-Q-S----    | 3. <b>CHECK MOTOR DRIVE AMMETER.</b> - With equipment operating, check motor drive ammeter in the MPS. If reading exceeds normal by 10%, flow a thin stream of GL-1 around entire track.   | 1 min. per 20 ft. | 7   |

|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

  

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

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

**Eye protection (goggles or face shield) must be worn when using compressed air steam or a high-pressure cleaner/washer device for cleaning.**

|                                |    |  |                 |   |
|--------------------------------|----|--|-----------------|---|
| CH-1<br>TOWPIN<br>CHAIN        | 4. | <b>CLEAN CHAIN.</b> - Clean chain as follows:  | 1 min.          | 7 |
| Frequency Code:<br>-M-Q-----   |    | 1. Clean chain with steam or high pressure cleaner/washer device. Run chain at least one (1) complete cycle.   | per 10 ft.      |   |
|                                |    | 2. Remove foreign material by blowing or vacuuming.  |                 |   |
| Frequency Code:<br>-M-Q-S----- | 5. | <b>LUBRICATE CHAIN</b> - Pour oil slowly over chain for two (2) complete turns.  | 0.22 min./10ft. |   |
| SYSTEM                         | 6. | <b>POWER DOWN AND LOCKOUT POWER.</b> - Power down the equipment and lockout its electrical power as prescribed by the procedures contained in, or locally developed in accordance with, the current Maintenance Management Order (MMO) providing lockout/restore procedures. | 1 min.          | 7 |
| Frequency Code:<br>-M-Q-S----K |    |  |                 |   |
| Frequency Code:<br>-M-Q-S----K | 7. | <b>REMOVE COVER PLATES.</b> - Remove cover plates. Erect barricades around open pits.  | 20 min.         | 7 |

|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

  

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

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

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

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

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

|                                |     |   |         |   |
|--------------------------------|-----|---|---------|---|
| AT-1 TRACK                     | 8.  | <b>CLEAN ROLLERTURNS.</b> - Clean rollers as follows:                             | 10 min. | 7 |
| Frequency Code:<br>----Q-S---- |     | 1. Clean dirt and foreign material from roller turns.                             |         |   |
|                                |     | 2. Clean with solvent and blow-dry.   |         |   |
|                                |     | 3. Relubricate with GR-2.   |         |   |
| Frequency Code:<br>----Q-S---- | 9.  | <b>CHECK ROLLERS.</b> - Check rollers as follows:                                 | 2 min.  | 7 |
|                                |     | 1. Check rollers for wear, gouging, and roll wobble.                              |         |   |
|                                |     | 2. Check mounting bolts.  |         |   |
| Frequency Code:<br>----Q-S---- | 10. | <b>CLEAN AND CHECK SPROCKET TURN.</b> - Clean and check sprocket turn as follows: | 10 min. | 7 |
|                                |     | 1. Remove dirt and foreign material from sprocket turn.                           |         |   |
|                                |     | 2. Check for wear and alignment.  |         |   |



|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

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

AT-1 TRACK (Cont.)  
Frequency Code:  
-----S-----

11. **CLEAN AND LUBRICATE SPROCKET TURN, BEARING EXTERIOR, AND FITTINGS.** - With 5 min. 7

disconnect locked out, perform the following:

1. Wipe off sprocket turn, bearing exterior, and lubricating fittings.
2. Using a hand grease gun, apply one (1) shot of GR-2.
3. Wipe off excess.

**WARNING**

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

**WARNING**

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

CH-1  
TOWPIN  
CHAIN

Frequency Code:  
-----S-----

12. **CLEAN CHAIN.** - Clean chain as follows: 1 min. 7

1. With disconnect locked out, clean towpin chain with solvent by brushing. per 10 ft.
2. Remove foreign material by blowing or wiping clean. Jog chain if necessary.

Frequency Code:  
----Q-S----

13. **CHECK CHAIN.** - Check chain for bent, cracked, or excessively worn links. 1 min. 7

per 10 ft.

|                                  |  |                 |   |                   |   |                   |   |            |   |            |   |      |   |
|----------------------------------|--|-----------------|---|-------------------|---|-------------------|---|------------|---|------------|---|------|---|
| U.S. Postal Service              |  | IDENTIFICATION  |   |                   |   |                   |   |            |   |            |   |      |   |
| <b>Maintenance Checklist</b>     |  | Work Code       |   | Equipment Acronym |   |                   |   | Class Code |   | Number     |   | Type |   |
|                                  |  | 0               | 3 | T                 | O | W                 | V | E          | B | A          | 0 | 0    | 3 |
| Equipment Nomenclature           |  | Equipment Model |   |                   |   | Bulletin Filename |   |            |   | Frequency  |   |      |   |
| <b>TOWVEYOR (BYPASS), TYPE E</b> |  | <b>LINKBELT</b> |   |                   |   | <b>M94150AC</b>   |   |            |   | <b>ALL</b> |   |      |   |

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

CH-1  
TOWPIN  
CHAIN  
(Cont.)

14. **CHECK SPRING TAKE-UP SPROCKET.** - Check spring take-up sprocket for wear and alignment. Check to see if spring length exceeds 22 inches. See page IV-11 of O & M Manual for the adjustment procedures for chain tension.

Frequency  
Code:  
----Q-S----

Frequency  
Code:  
----Q-S----

15. **LUBRICATE TAKE-UP SPROCKET BEARING.** - Using a hand grease gun and needle adapter, apply two (2) shots of GR-2 to take-up sprocket bearing.

**WARNING**

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

CS-1  
CONTAINER  
SENSOR  
SWITCHES

16. **CLEAN PIT, SWITCH HOUSING, AND ACTUATOR ARM.** - Clean pit, switch housing, and actuator arm as follows:

Frequency  
Code:  
----Q-S----

1. Clean dirt and accumulated material from pit.
2. Clean switch housing and actuator arm with solvent.

Frequency  
Code:  
----Q-S----

17. **CHECK SWITCH MOUNTING.** - Check switch mounting and for freedom of movement in direction of chain travel.

DA-2  
SPROCKET  
DRIVE ASSY

18. **CHECK MOTOR AND REDUCER HOUSING.** - Check motor and reducer housing for evidence of lubrication leakage.

Frequency  
Code:  
-M-Q-S----

|                                  |  |                 |   |                   |   |                   |   |            |   |            |   |      |   |
|----------------------------------|--|-----------------|---|-------------------|---|-------------------|---|------------|---|------------|---|------|---|
| U.S. Postal Service              |  | IDENTIFICATION  |   |                   |   |                   |   |            |   |            |   |      |   |
| <b>Maintenance Checklist</b>     |  | Work Code       |   | Equipment Acronym |   |                   |   | Class Code |   | Number     |   | Type |   |
|                                  |  | 0               | 3 | T                 | O | W                 | V | E          | B | A          | 0 | 0    | 3 |
| Equipment Nomenclature           |  | Equipment Model |   |                   |   | Bulletin Filename |   |            |   | Frequency  |   |      |   |
| <b>TOWVEYOR (BYPASS), TYPE E</b> |  | <b>LINKBELT</b> |   |                   |   | <b>M94150AC</b>   |   |            |   | <b>ALL</b> |   |      |   |

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

DA-2  
SPROCKET  
DRIVE ASSY.  
(Cont.)

19. **CLEAN AND CHECK MOTOR AND REDUCER EXTERIOR.** - Clean and check motor and reducer exterior as follows:

Frequency  
Code:  
-M-Q-S----

1. Remove dust and foreign material from motor and reducer exterior.
2. Check to make sure vent holes are not plugged.

Frequency  
Code:  
-M-Q-S----

20. **CHECK OIL LEVEL.** - With unit warm from running, check oil level in reducer. Refill, if required, to proper level with GL-7

Frequency  
Code:  
-----K

21. **CLEAN AND DRAIN REDUCER.** - With disconnect locked out and with unit warm from running, perform the following:

1. Clean air vent and drain reducer by removing drain plug.
2. Replace drain plug and refill to proper level with GL-7.

Frequency  
Code:  
-----S----

22. **LUBRICATE REDUCER OUTPUT SHAFT BEARING.** - Lubricate reducer output shaft bearing as follows:

1. Remove relief plug from reducer output shaft bearing.
2. Apply GR-2 until fresh lubricant appears at plug.

|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

  

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

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

**Be cautious when working around or on equipment when power has been applied.**

- |                               |     |  |        |     |
|-------------------------------|-----|--|--------|-----|
| SYSTEM                        | 23. | <b>RESTORE EQUIPMENT TO SERVICE.</b> - Restore equipment to service as prescribed by the procedures contained in, or locally developed in accordance with, the current Maintenance Management Order (MMO) providing lockout/restore procedures.                              | 3 min. | All |
| Frequency Code:<br>-----S---- |     |  |        |     |
|                               |     |  |        |     |
| DA-2 SPROCKET DRIVE ASSY.     | 24. | <b>LUBRICATE SHAFT BEARING.</b> - Run one (1) minute.  | 1 min. | 7   |
| Frequency Code:<br>-----S---- |     |  |        |     |
|                               |     |  |        |     |
| SYSTEM                        | 25. | <b>POWER DOWN AND LOCKOUT POWER.</b> - Power down the equipment and lockout its electrical power as prescribed by the procedures contained in, or locally developed in accordance with, the current Maintenance Management Order (MMO) providing lockout/restore procedures. | 1 min. | 7   |
| Frequency Code:<br>-----S---- |     |  |        |     |
|                               |     |  |        |     |
| DA-2 SPROCKET DRIVE ASSY.     | 26. | <b>REPLACE RELIEF PLUG.</b> - Replace shaft bearing relief plug. Wipe off excess lubricant.  | 1 min. | 7   |
| Frequency Code:<br>-----S---- |     |  |        |     |

|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

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

DA-2  
SPROCKET  
DRIVE ASSY.  
(Cont.)

27. **CHECK V-BELTS AND SHEAVES.** - Check V-belts and sheaves for wear and alignment.

1 7  
min.

Frequency  
Code:  
----Q-S----

Frequency  
Code:  
----Q-S----

28. **CLEAN AND CHECK V-BELTS AND SHEAVES.** - Clean and check V-belts and sheaves as follows:

1 7  
min.

1. Clean foreign material from belts and sheaves by wiping with clean rags.
2. Check sheave set screws and belt tension.

**WARNING**

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

Frequency  
Code:  
----Q-S----

29. **CHECK AND CLEAN SPROCKET.** - Check and clean sprocket as follows:

5 7  
min.

1. Check sprocket for wear and alignment. Wrench test set screws.
2. Clean sprocket with solvent and rags.

Frequency  
Code:  
----Q-S----

30. **CLEAN DRIVE PIT.** - Clean all dirt and foreign material from drive pit.

10 7  
min.

|  |                |                                    |                   |   |   |                                      |            |   |        |                         |      |   |   |
|--|----------------|------------------------------------|-------------------|---|---|--------------------------------------|------------|---|--------|-------------------------|------|---|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    | IDENTIFICATION |                                    |                   |   |   |                                      |            |   |        |                         |      |   |   |
|  | Work Code      |                                    | Equipment Acronym |   |   |                                      | Class Code |   | Number |                         | Type |   |   |
|  | 0              | 3                                  | T                 | O | W | V                                    | E          | B | A      | 0                       | 0    | 3 | M |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |                | Equipment Model<br><b>LINKBELT</b> |                   |   |   | Bulletin Filename<br><b>M94150AC</b> |            |   |        | Frequency<br><b>ALL</b> |      |   |   |

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

- |                                      |     |  |        |   |
|--------------------------------------|-----|--|--------|---|
| DS-1<br>DIVERGING<br>TRACK<br>SWITCH | 31. | <b>CLEAN AND CHECK SWITCH HOUSING.</b> - Clean and check switch housing as follows:  | 4 min. | 7 |
|                                      |     | 1. Clean switch housing using solvent and rags.  |        |   |
|                                      |     | 2. Check operation of unlatching switching blade   |        |   |
| Frequency Code:<br>----Q-S----       |     |  |        |   |
| Frequency Code:<br>----Q-S----       | 32. | <b>CLEAN TRACK SWITCH PITS.</b> - Remove dirt and accumulated debris from track switch pits.   | 3 min. | 7 |
| Frequency Code:<br>----Q-S----       | 33. | <b>CLEAN SOLENOID HOUSING PLUNGER ROD, AND LINKAGE.</b> - Clean solenoid housing, plunger rod and linkage using solvent and rags.      | 1 min. | 7 |
| Frequency Code:<br>----Q-S----       | 34. | <b>CHECKING PLUNGER ROD.</b> - Check plunger rod for free movement. Check solenoid mount and switch blade.                             | 1 min. | 7 |
| Frequency Code:<br>----Q-S----       | 35. | <b>LUBRICATE LINKAGE AND PIVOT POINTS.</b> - .Lightly lubricate all linkage and pivot points on solenoid and blade assembly with HY-1. | 2 min. | 7 |

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

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

- |                                |     |   |        |   |
|--------------------------------|-----|---|--------|---|
| PS-1<br>DISENGAG-<br>ING STOP  | 36. | <b>CLEAN AND LUBRICATE ACTUATOR CYLINDER.</b> - Clean and lubricate actuator cylinder as follows: | 1 min. | 7 |
|                                |     | 1. Clean actuator cylinder and pivot points with solvent and rags.                                |        |   |
|                                |     | 2. Relubricate with HY-3.   |        |   |
| Frequency Code:<br>-----QS---- |     |   |        |   |

|  |                                    |  |                   |  |                                      |  |            |  |                         |  |  |      |  |
|--|------------------------------------|--|-------------------|--|--------------------------------------|--|------------|--|-------------------------|--|--|------|--|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    | IDENTIFICATION                     |  |                   |  |                                      |  |            |  |                         |  |  |      |  |
|  | Work Code                          |  | Equipment Acronym |  |                                      |  | Class Code |  | Number                  |  |  | Type |  |
|  | 0 3                                |  | T O W V E B A     |  |                                      |  |            |  | 0 0 3                   |  |  | M    |  |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> | Equipment Model<br><b>LINKBELT</b> |  |                   |  | Bulletin Filename<br><b>M94150AC</b> |  |            |  | Frequency<br><b>ALL</b> |  |  |      |  |

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

- |   |     |  |               |     |
|---|-----|--|---------------|-----|
| PS-1<br>DISENGAG-<br>ING STOP<br>(Cont.)<br>Frequency<br>Code:<br>----Q-S---- | 37. | <b>CLEAN PIN DISENGAGING STOP.</b> - Remove dirt and accumulated debris from pin disengaging stop.                                       | 1 min.        | 7   |
| AT-1 TRACK<br><br>Frequency<br>Code:<br>-M-Q-S-----                           | 38. | <b>CHECK TRACK.</b> - Check entire length of track for loose wear strips   | 1 min./50 ft. | 7   |
| ZZ-1 ROUTE<br>COMPLE-<br>TION<br><br>Frequency<br>Code:<br>--M-Q-S----K       | 39. | <b>REPLACE COVER PLATES.</b> - Replace all cover plates  | 20 min.       | 7   |
| CLEAN-UP<br><br>Frequency<br>Code:<br>-M-Q-S----K                             | 40. | <b>CLEAN- UP.</b> -Ensure all tools, lubricants, rags, etc., are removed from the work area. Report all deficiencies to your supervisor. | 3 min.        | All |

|  |  |                                    |   |                   |   |                                      |   |            |   |                         |   |      |   |
|--|--|------------------------------------|---|-------------------|---|--------------------------------------|---|------------|---|-------------------------|---|------|---|
| U.S. Postal Service<br><br><b>Maintenance Checklist</b>    |  | IDENTIFICATION                     |   |                   |   |                                      |   |            |   |                         |   |      |   |
|  |  | Work Code                          |   | Equipment Acronym |   |                                      |   | Class Code |   | Number                  |   | Type |   |
|  |  | 0                                  | 3 | T                 | O | W                                    | V | E          | B | A                       | 0 | 0    | 3 |
| Equipment Nomenclature<br><b>TOWVEYOR (BYPASS), TYPE E</b> |  | Equipment Model<br><b>LINKBELT</b> |   |                   |   | Bulletin Filename<br><b>M94150AC</b> |   |            |   | Frequency<br><b>ALL</b> |   |      |   |

  

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

|                |
|----------------|
| <b>WARNING</b> |
|----------------|

**Be cautious when working around or on equipment when power has been applied.**

- |  |   |            |
|--|---|------------|
| SYSTEM<br><br>Frequency Code:<br>-M-Q-S----K   | 41. <b>RESTORE EQUIPMENT TO SERVICE.</b> - Restore equipment to service as prescribed by the procedures contained in, or locally developed in accordance with, the current Maintenance Management Order (MMO) providing lockout/restore procedures.   | 3 min. All |
| START-UP<br><br>Frequency Code:<br>-M-Q-S----K | 42. <b>START-UP.</b> - Perform normal start-up procedures as follows: <ol style="list-style-type: none"> <li>1. Start or preset equipment.</li> <li>2. Check for proper operation.</li> <li>3. Report all deficiencies to your supervisor in order to initiate any necessary work orders to make necessary repairs, or to remove excessive debris.</li> </ol> | 5 min. All |