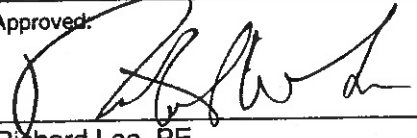


SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		<i>New York State Department of Transportation</i> ENGINEERING INSTRUCTION	EI 12-002
Title: SECTION 647 – REMOVING, STORING, AND RELOCATING SIGNS			
Target Audience: ☒ Manufacturers (18) ☒ Local Govt. (31) ☒ Agencies (32) ☐ Surveyors (33) ☒ Consultants (34) ☒ Contractors (39) ☐ _____ ()		Approved:  Richard Lee, PE Acting Deputy Chief Engineer (Design) 2/14/12 Date	

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of September 6, 2012.
- No issuances are superseded.
- This guidance will be incorporated into a future update of the Standard Specifications.

PURPOSE: The purpose of this EI is to revise Section 647 of the Standard Specifications.

TECHNICAL INFORMATION:

- This revision clarifies the payment information for new posts when signs are relocated.
- Cost impact is expected to be negligible. The work being performed is essentially the same as under the original payment items, but the payment is made under new items and existing post items.
- "Removal of Concrete Sign Footings" has been removed, as this work is performed under the Remove and Dispose Signs, Sign Supports, and Foundations items.

DESIGN GUIDANCE:

New posts are no longer included in the payment items for sign relocations. Designers must specify the type and quantity of new (Section 645) posts (if any) when ground mounted signs are being relocated. Existing Type A, High-Capacity Type A, and Type B sign posts shall not be reused.

Relocate, Remove and Store, and Remove and Dispose Sign, Sign Panel Assembly items do not include the removal or relocation of sign supports or foundations. These items are to be used when sign panels or sign panel assemblies are being removed from supports that will remain or when a sign, sign panel assembly is being salvaged from a sign support that is being removed.

When removing an entire Overhead Sign Structure, or an entire Ground-Mounted sign on Type A posts, designers shall select the appropriate single item that includes the removal of any attached signs.

When removing Ground-Mounted Type A High-Capacity or Type B sign posts, designers shall select the appropriate remove and dispose sign panel, sign panel assembly items in addition to the post items when attached signs are to be removed.

These items are not intended for the removal of signs or sign structures from bridges. Designers are instructed to use special specifications for sign removals or relocations from bridges.

IMPLEMENTATION:

- Main Office Design Quality Assurance Bureau will insert a copy of the Revisions to Standard Specifications beginning with projects submitted for the letting of September 6, 2012.
- This issuance disapproves the following metric and US Customary Standard Contract Pay Items:
 - 647.01 Removal of Signs - Size A (0.0 to 1.0 S.M.) (0 to 10 Square Feet)
 - 647.02 Removal of Signs - Size B (1.1 to 2.0 S.M.) (11 to 20 Square Feet)
 - 647.03 Removal of Signs - Size C (2.1 to 4.0 S.M.) (21 to 40 Square Feet)
 - 647.04 Removal of Signs - Size D (4.1 to 10.0 S.M.) (41 to 100 Square Feet)
 - 647.05 Removal of Signs - Size E (Over 10.0 S.M.) (Over 100 Square Feet)
 - 647.06 Removal and Storage of Signs Size A (0.0 to 1.0 S.M.) (0 TO 10 Square Feet)
 - 647.07 Removal and Storage of Signs Size B (1.1 to 2.0 S.M.) (11 to 20 Square Feet)
 - 647.08 Removal and Storage of Signs Size C (2.1 to 4.0 S.M.) (21 to 40 Square Feet)
 - 647.09 Removal and Storage of Signs Size D (4.1 to 10.0 S.M.) (41 to 100 Square Feet)
 - 647.10 Removal and Storage of Signs Size E (Over 10.0 S.M.) (Over 100 Square Feet)
 - 647.11 Relocating Signs Size A (0.0 to 1.0 S.M.) (0 TO 10 Square Feet)
 - 647.12 Relocating Signs Size B (1.1 to 2.0 S.M.) (11 to 20 Square Feet)
 - 647.13 Relocating Signs Size C (2.1 to 4.0 S.M.) (21 to 40 Square Feet)
 - 647.14 Relocating Signs Size D (4.1 to 10.0 S.M.) (41 to 100 Square Feet)
 - 647.15 Relocating Signs Size E (Over 10.0 S.M.) (Over 100 Square Feet)
 - 647.18 Removal of Overhead Sign Panels
 - 647.19 Removal and Storage of Overhead Sign Panels
- This issuance disapproves the following US Customary special specifications:
 - 647.09000001 Removal of Ground Mounted Sign Panels
 - 647.09000015 Removal of Ground Mounted Sign Panels
 - 647.11000002 Relocating and/or Restoring Special Signs, Size A: 0 TO 10 Sq. Ft.
 - 647.12000002 Relocating and/or Restoring Special Signs, Size B: 11 TO 20 Sq. Ft.
 - 647.13000002 Relocating and/or Restoring Special Signs, Size C: 21 TO 40 Sq. Ft.
 - 647.14000002 Relocating and/or Restoring Special Signs, Size D: 41 TO 100 Sq. Ft.
 - 647.15000002 Relocating and/or Restoring Special Signs, Size E: Over 100 Sq. Ft.
 - 647.28000010 Remove, Store, and Reset Overhead Sign Panels
- This issuance disapproves the following Metric special specifications:
 - 647.20020011 Remove, Store And Relocate Cantilever Sign Structures
 - 647.20030011 Remove, Store And Relocate Span Sign Structures
 - 647.21010011 Removal of Cantilever Sign Structure on Viaduct
 - 647.28000010 Remove, Store and Reset Overhead Sign Panels
 - 647.81010010 Relocating Signs - Size A (0 to 1.0 SM)
 - 647.82010010 Relocating Signs - Size B (1.1 to 2.0 S.M.)
 - 647.83000003 Removal and Disposal of Delineators and/or Reference Markers
 - 647.83010010 Relocating Signs - Size C (2.1 to 4.0 S.M.)
 - 647.84010010 Relocating Signs - Size D (4.1 to 10.0 S.M.)
 - 647.88000011 Remove and Reset Traffic Sign
 - 647.90000011 Remove, Store and Reset Overhead Sign Structure

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647.92000011 Remove Sign Post
647.93000010 Remove Sign Post Stub
647.93000011 Removal and Storage of Cantilever Sign Structure
647.94000011 Removal and Storage of Single Span Sign Structure
647.95000011 Removal and Storage of Multi-Span Sign Structure

- This issuance approves the following metric and US Customary Standard Contract Pay Items:
 - 647.20 Removal of Cantilever Overhead Sign Panel(s), Structure, and Foundations
 - 647.21 Removal of Single Span Overhead Sign Panel(s), Structure, and Foundations
 - 647.22 Removal of Multi-Span Overhead Sign Panel(s), Structure, and Foundations
 - 647.23 Relocate Overhead Sign Panel, Sign Panel Assembly
 - 647.24 Remove and Store Overhead Sign Panel, Sign Panel Assembly
 - 647.25 Remove and Dispose Overhead Sign Panel, Sign Panel Assembly
 - 647.31 Relocate Sign Panel, Sign Panel Assembly Size I
(Under 2.8 Square Meters) (Under 30 Square Feet)
 - 647.32 Relocate Sign Panel, Sign Panel Assembly Size II
(2.8-9.3 Square Meters) (30-100 Square Feet)
 - 647.33 Relocate Sign Panel, Sign Panel Assembly Size III
(Over 9.3 Square Meters) (Over 100 Square Feet)
 - 647.41 Remove and Store Sign Panel, Sign Panel Assembly Size I
(Under 2.8 Square Meters) (Under 30 Square Feet)
 - 647.42 Remove and Store Sign Panel, Sign Panel Assembly Size II
(2.8-9.3 Square Meters) (30-100 Square Feet)
 - 647.43 Remove and Store Sign Panel, Sign Panel Assembly Size III
(Over 9.3 Square Meters) (Over 100 Square Feet)
 - 647.51 Remove and Dispose Sign Panel, Sign Panel Assembly Size I
(Under 2.8 Square Meters) (Under 30 Square Feet)
 - 647.52 Remove and Dispose Sign Panel, Sign Panel Assembly Size II
(2.8-9.3 Square Meters) (30-100 Square Feet)
 - 647.53 Remove and Dispose Sign Panel, Sign Panel Assembly Size III
(Over 9.3 Square Meters) (Over 100 Square Feet)
 - 647.61 Remove and Dispose Signs, Ground Mounted Type A Sign Supports and Foundations
Size I (Under 2.8 Square Meters) (Under 30 Square Feet)
 - 647.62 Remove and Dispose Signs, Ground Mounted Type A Sign Supports and Foundations
Size II (2.8-9.3 Square Meters) (30-100 Square Feet)
 - 647.63 Remove and Dispose Signs, Ground Mounted Type A Sign Supports and Foundations
Size III (Over 9.3 Square Meters) (Over 100 Square Feet)
 - 647.64 Remove and Dispose High Capacity Type A Ground Mounted Sign Support and
Foundation
 - 647.65 Remove and Dispose Type B Ground Mounted Sign Support and Foundation

TRANSMITTED MATERIALS: Metric and US Customary Revisions to Standard Specifications § 647 –
*REMOVING, STORING, AND RELOCATING SIGNS, SIGN PANEL ASSEMBLIES, SIGN SUPPORTS,
AND FOUNDATIONS*

BACKGROUND: The previous relocation specification stated that new Type B posts were to be used. However, the specification did not indicate a separate payment for these posts.

Since installing Type B posts and associated foundations are quite expensive, and based on AGC's request at an AGC-DOT specification committee meeting, it was decided to pay for Type B posts separately. Upon clearance review feedback, all new posts are now paid under section 645 items.

CONTACT: Direct questions regarding this issuance to Loretta Montgomery of the Design Quality Assurance Bureau at (518) 485-9674 or via e-mail at lmontgomery@dot.state.ny.us.

Make the following changes to Standard Specification Construction and Materials of May 1, 2008.

Delete Section 647 in its entirety and *replace* with the following:

SECTION 647 - REMOVING, STORING, AND RELOCATING SIGNS, SIGN PANEL ASSEMBLIES, SIGN SUPPORTS, AND FOUNDATIONS

647-1 DESCRIPTION. This work shall consist of removing and disposing, storing, and relocating individual sign panels, sign panel assemblies, sign supports, and sign support foundations.

647-1.01 Definition. Sign Panel Assembly – a group of contiguous sign panels attached by means of bars, on the same sign support(s).

647-2 MATERIALS. All new materials used shall comply with the requirements of §644, or 645 as applicable.

647-3 CONSTRUCTION DETAILS

647-3.01 General. Sign panels, sign panel assemblies, sign supports, and sign support foundations shall be removed, stored, or relocated in accordance with the contract documents, standard sheets, MUTCD and materials details. Sign locations in the contract documents are approximate.

647-3.02 Remove and Dispose Overhead Sign Structures. Removal of overhead sign structures shall be done in accordance with §644-3.06 A.

Lifting of overhead sign structures shall be done in accordance with §107-05P. *Lifting*. Lift Plans are required.

No lifting shall be permitted over traffic.

Designated sign structures and any attached pole-mounted sign panel assemblies or overhead signs requiring disposal, but not relocation or storage, shall become the property of the Contractor and shall be removed from the work site.

All concrete sign footings shall be removed to a minimum depth of 1 foot below existing ground and shall be restored to match the surrounding area to the satisfaction of the engineer.

Any work to relocate or remove and store existing sign panels from the overhead sign structure is performed under a separate item.

647-3.03 Relocate Overhead Sign Panel, Sign Panel Assembly. Overhead sign panels or sign panel assemblies shall be removed from the overhead sign structure by removing the bolts or other attachment device from the structure. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers or stiffeners. Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State. Signs, sign panel assemblies shall be reinstalled in accordance with §645-.3. All hardware, steel angles, and bearing pads needed to reattach the sign panel, sign panel assembly to the relocated sign shall be new. Existing stringers and stiffeners shall remain attached to the sign panel(s).

647-3.04 Remove and Store Overhead Sign Panel, Sign Panel Assembly. Overhead sign panels or sign panel assemblies shall be removed from the existing overhead structure by removing the bolts or other attachment device from the support structure. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers, structure or stiffeners. Signs shall be transported to the storage location(s) identified in the contract documents. Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State.

647-3.05 Remove and Dispose Overhead Sign Panel, Sign Panel Assembly. Overhead sign panels or sign panel assemblies shall be removed from the site and shall become the property of the contractor. Care shall be exercised to prevent damage to the sign structure or sign supports.

647-3.06 Relocation of Ground-Mounted Sign Panel, Sign Panel Assembly Ground-mounted sign panels, sign panel assemblies shall be detached from the support structure or posts by removing the bolts or other attachment device from the support structure or posts. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers or stiffeners. The existing stringers and stiffeners shall remain attached to the sign panel(s). Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State. Signs, sign panel assemblies shall be reinstalled in accordance with §645-3 on new posts and foundations. All hardware used to attach the sign panel(s), sign panel assembly to the post(s) shall be new.

647-3.07 Remove and Store Ground-Mounted Sign Panel, Sign Panel Assembly. Ground-mounted sign panels, sign panel assemblies shall be detached from the support structure or posts by removing the bolts or other attachment device from the support structure or posts. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers or stiffeners. Care shall also be exercised to avoid damage to any structures or supports that will not be removed. Signs shall be transported to the storage location(s) identified in the contract documents. Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State.

647-3.08 Remove and Dispose Ground-Mounted Sign Panel, Sign Panel Assembly. Existing ground-mounted sign panels, sign panel assemblies shall be detached from the posts by removing the bolts or other attachment device from the posts. Ground-mounted sign panels, sign panel assemblies shall be removed from the site and become the property of the contractor. Care shall be exercised to prevent damage to the sign structure or sign supports.

647-3.09 Remove and Dispose Ground-Mounted Sign Panel, Sign Panel Assembly, Type A Sign Supports and Foundations. Existing ground-mounted sign panels, sign panel assemblies and/or Type A sign supports shall be removed from the site and become the property of the contractor. Type A sign post foundations shall be completely removed. The disturbed area shall be restored to match the surrounding area to the satisfaction of the Engineer.

647-3.10 Remove and Dispose High-Capacity Type A and Type B Ground-Mounted Sign Supports and Foundations. Existing ground-mounted sign supports and/or foundations shall be removed from the site and become the property of the Contractor. High-Capacity Type A sign post foundations shall be completely removed. Type B footings shall either be completely removed or shall be cut to a depth of at least 1 foot below existing ground. Backfilling and surfacing shall be performed to match the surrounding area to the satisfaction of the Engineer.

647-4 METHOD OF MEASUREMENT.

647-4.01 General. The size of sign panels, sign panel assemblies shall be measured as the product of overall width and height equaling a number of square feet and rounded to the nearest square foot.

Overall width for sign panel assemblies shall be measured as the total width neglecting spaces between sign panels.

Vertical spaces less than one foot between panels, or sign panel assemblies shall be included in the calculation of overall height. For vertical spaces one foot or more, the panel, sign panel assembly heights shall be measured separately. The total area shall be the sum of the individual areas measured.

When ground-mounted sign panels, sign panel assemblies are mounted back to back, only the larger side shall be measured when the entire structure is to be removed. When one or both of two back to back panels are relocated or removed and stored, separate panel measurements shall be made.

647-4.02 Remove and Dispose Overhead Sign Structures. The work will be measured as the number of overhead sign structures completely removed and disposed, including any overhead sign panels that are also to be removed and disposed.

647-4.03 Relocate Overhead Sign Panel, Sign Panel Assembly. The work will be measured as the number of overhead sign panels, sign panel assemblies relocated.

647-4.04 Remove and Store Overhead Sign Panel, Sign Panel Assembly. The work will be measured as the number of overhead sign panels, sign panel assemblies removed and stored.

647-4.05 Remove and Dispose Overhead Sign Panel, Sign Panel Assembly. The work will be measured as the number of overhead sign panels, sign panel assemblies removed and disposed from structures or supports that will not be removed.

647-4.06 Relocation of Ground-Mounted Sign Panel, Sign Panel Assembly. The work will be measured as the number of ground-mounted sign panels, sign panel assemblies relocated.

647-4.07 Remove and Store Ground-Mounted Sign Panel, Sign Panel Assembly. The work will be measured as the number of ground-mounted sign panels, sign panel assemblies removed and stored.

647-4.08 Remove and Dispose Ground-Mounted Sign Panel, Sign Panel Assembly. The work will be measured as the number of ground-mounted sign panels, sign panel assemblies removed and disposed.

647-4.09 Remove and Dispose Ground-Mounted Sign Panel, Sign Panel Assembly, Type A Sign Supports and Foundations. The work will be measured as the number of ground-mounted sign panels, sign panel assemblies and foundations removed and disposed.

647-4.10 Remove and Dispose High-Capacity Type A and Type B Ground-Mounted Sign Supports and Foundations. The work will be measured as the number of ground-mounted sign supports and foundations removed and disposed.

647-5 BASIS OF PAYMENT. The unit price bid for removing, storing, and relocating signs shall be compensation in full for the furnishing of all labor, equipment and materials necessary to complete the work.

No additional payment will be made for the restoration of surfaces when foundations are removed.

Payment for new sign supports, and foundations will be made under separate pay items.

Payment will be made under:

Item No.	Item Pay	Unit
647.20	Removal of Cantilever Overhead Sign Panel(s), Structure, and Foundations	Each
647.21	Removal of Single Span Overhead Sign Panel(s), Structure, and Foundations	Each
647.22	Removal of Multi-Span Overhead Sign Panel(s), Structure, and Foundations	Each
647.23	Relocate Overhead Sign Panel, Sign Panel Assembly	Each
647.24	Remove and Store Overhead Sign Panel, Sign Panel Assembly	Each
647.25	Remove and Dispose Overhead Sign Panel, Sign Panel Assembly	Each
647.31	Relocate Sign Panel, Sign Panel Assembly Size I (Under 30 Square Feet)	Each
647.32	Relocate Sign Panel, Sign Panel Assembly Size II (30-100 Square Feet)	Each
647.33	Relocate Sign Panel, Sign Panel Assembly Size III (Over 100 Square Feet)	Each
647.41	Remove and Store Sign Panel, Sign Panel Assembly Size I (Under 30 Square Feet)	Each
647.42	Remove and Store Sign Panel, Sign Panel Assembly Size II (30-100 Square Feet)	Each
647.43	Remove and Store Sign Panel, Sign Panel Assembly Size III (Over 100 Square Feet)	Each
647.51	Remove and Dispose Sign Panel, Sign Panel Assembly Size I (Under 30 Square Feet)	Each
647.52	Remove and Dispose Sign Panel, Sign Panel Assembly Size II (30-100 Square Feet)	Each
647.53	Remove and Dispose Sign Panel, Sign Panel Assembly Size III (Over 100 Square Feet)	Each
647.61	Remove and Dispose Signs, Ground Mounted Type A Sign Supports and Foundations	Each
	- Size I (Under 30 Square Feet)	
647.62	Remove and Dispose Signs, Ground Mounted Type A Sign Supports and Foundations	Each
	- Size II (30-100 Square Feet)	
647.63	Remove and Dispose Signs, Ground Mounted Type A Sign Supports and Foundations	Each
	- Size III (Over 100 Square Feet)	
647.64	Remove and Dispose High Capacity Type A Ground Mounted Sign Support and Foundation	Each
647.65	Remove and Dispose Type B Ground Mounted Sign Support and Foundation	Each

Make the following changes to Standard Specification Construction and Materials of May 4, 2006.

Delete Section 647 in its entirety and *replace* with the following:

SECTION 647 - REMOVING, STORING, AND RELOCATING SIGNS, SIGN PANEL ASSEMBLIES, SIGN SUPPORTS, AND FOUNDATIONS

647-1 DESCRIPTION. This work shall consist of removing and disposing, storing, and relocating individual sign panels, sign panel assemblies, sign supports, and sign support foundations.

647-1.01 Definition. Sign Panel Assembly – a group of contiguous sign panels attached by means of bars, on the same sign support(s).

647-2 MATERIALS. All new materials used shall comply with the requirements of §644, or 645 as applicable.

647-3 CONSTRUCTION DETAILS

647-3.01 General. Sign panels, sign panel assemblies, sign supports, and sign support foundations shall be removed, stored, or relocated in accordance with the contract documents, standard sheets, MUTCD and materials details. Sign locations in the contract documents are approximate.

647-3.02 Remove and Dispose Overhead Sign Structures. Removal of overhead sign structures shall be done in accordance with §644-3.06 A.

Lifting of overhead sign structures shall be done in accordance with §107-05P. *Lifting*. Lift Plans are required.

No lifting shall be permitted over traffic.

Designated sign structures and any attached pole-mounted sign panel assemblies or overhead signs requiring disposal, but not relocation or storage, shall become the property of the Contractor and shall be removed from the work site.

All concrete sign footings shall be removed to a minimum depth of 0.3 meters below existing ground and shall be restored to match the surrounding area to the satisfaction of the engineer.

Any work to relocate or remove and store existing sign panels from the overhead sign structure is performed under a separate item.

647-3.03 Relocate Overhead Sign Panel, Sign Panel Assembly. Overhead sign panels or sign panel assemblies shall be removed from the overhead sign structure by removing the bolts or other attachment device from the structure. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers or stiffeners. Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State. Signs, sign panel assemblies shall be reinstalled in accordance with §645-.3. All hardware, steel angles, and bearing pads needed to reattach the sign panel, sign panel assembly to the relocated sign shall be new. Existing stringers and stiffeners shall remain attached to the sign panel(s).

647-3.04 Remove and Store Overhead Sign Panel, Sign Panel Assembly. Overhead sign panels or sign panel assemblies shall be removed from the existing overhead structure by removing the bolts or other attachment device from the support structure. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers, structure or stiffeners. Signs shall be transported to the storage location(s) identified in the contract documents. Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State.

647-3.05 Remove and Dispose Overhead Sign Panel, Sign Panel Assembly. Overhead sign panels or sign panel assemblies shall be removed from the site and shall become the property of the contractor. Care shall be exercised to prevent damage to the sign structure or sign supports.

647-3.06 Relocation of Ground-Mounted Sign Panel, Sign Panel Assembly Ground-mounted sign panels, sign panel assemblies shall be detached from the support structure or posts by removing the bolts or other attachment device from the support structure or posts. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers or stiffeners. The existing stringers and stiffeners shall remain attached to the sign panel(s). Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State. Signs, sign panel assemblies shall be reinstalled in accordance with §645-3 on new posts and foundations. All hardware used to attach the sign panel(s), sign panel assembly to the post(s) shall be new.

647-3.07 Remove and Store Ground-Mounted Sign Panel, Sign Panel Assembly. Ground-mounted sign panels, sign panel assemblies shall be detached from the support structure or posts by removing the bolts or other attachment device from the support structure or posts. Care shall be exercised in removing the sign, sign panel assembly to prevent damage to any part of the reflectorized sign face or characters and to the existing stringers or stiffeners. Care shall also be exercised to avoid damage to any structures or supports that will not be removed. Signs shall be transported to the storage location(s) identified in the contract documents. Any part damaged by the Contractor's operations shall be replaced by the Contractor at no additional cost to the State.

647-3.08 Remove and Dispose Ground-Mounted Sign Panel, Sign Panel Assembly. Existing ground-mounted sign panels, sign panel assemblies shall be detached from the posts by removing the bolts or other attachment device from the posts. Ground-mounted sign panels, sign panel assemblies shall be removed from the site and become the property of the contractor. Care shall be exercised to prevent damage to the sign structure or sign supports.

647-3.09 Remove and Dispose Ground-Mounted Sign Panel, Sign Panel Assembly, Type A Sign Supports and Foundations. Existing ground-mounted sign panels, sign panel assemblies and/or Type A sign supports shall be removed from the site and become the property of the contractor. Type A sign post foundations shall be completely removed. The disturbed area shall be restored to match the surrounding area to the satisfaction of the Engineer.

647-3.10 Remove and Dispose High-Capacity Type A and Type B Ground-Mounted Sign Supports and Foundations. Existing ground-mounted sign supports and/or foundations shall be removed from the site and become the property of the Contractor. High-Capacity Type A sign post foundations shall be completely removed. Type B footings shall either be completely removed or shall be cut to a depth of at least 0.3 meters below existing ground. Backfilling and surfacing shall be performed to match the surrounding area to the satisfaction of the Engineer.