

400- -ALL	Class NS, I, II, III, IV, V, VI Details		
	<b>Unit</b> CY; M3	<b>Accuracy</b> 1/10 Cubic Yard; 1/10 Cubic Meter	<b>PlanQuantity?</b> yes/no
<b>Notes</b> <b>Details</b>	<p><b>NOTES BELOW ARE FOR CLASS NS, I, II, III, IV, and V, VI Concrete</b></p> <p>No separate payment made for deck scuppers, poured expansion joints, deck control joints, preformed anchor bolt holes, plain neoprene bearing pads. These items are included in the cost of the concrete. Summarize quantities on the "Summary of Structures Quantities" for bridge related applications; for all other applications, use recommended summary sheet(s) noted below.</p> <p>Reinforcement steel may be incidental to the cost of the concrete; refer to Section 400 of the specifications. Reinforcement is incidental for concrete jackets on steel piles, steel in barriers, traffic separators, and parapets. For Gravity Walls, reinforcement steel is incidental to cost of concrete.</p> <p>Include quantity block in plans by component (except for misc. concrete). Mass concrete should be broken out in the quantity block separately. See SDG's 3.9. When component is phased, break down quantity by phase. Concrete quantity is PLAN QUANTITY (except for misc. concrete). See Section 400-22.2.2 of the Specifications.</p> <p>CULVERTS: Refer to Design Standards for correct class of concrete and other payment details. For index 289, 291 and 292, class 1 is valid through 12/2011.</p> <p>ENDWALLS: Refer to Design Standards for correct class of concrete and other payment details. For some U-endwalls, including Index 260 and 261, payment is made under 430 items. For Index 250, reinforcing steel is included in cost of concrete. Summarize quantities, by location, on "Summary of Drainage Structures" or "Misc. Drainage Items", as applicable.</p> <p>JUNCTION SLAB FOR GRAVITY WALLS: (Effective July 2010-June 2011) Payment for Junction Slab on Gravity Wall (Index 520) will be included in payment for 521-8 Retaining Wall with Junction Slab. Do not include junction slab quantities with CY gravity wall quantities.</p> <p>JUNCTION SLAB FOR GRAVITY WALLS: (Effective July 2011) Payment for Junction Slab on Gravity Wall (Index 6011) will be included in payment for 521-8 Concrete Traffic Railing Barrier with Junction Slab. Do not include junction slab quantities with CY gravity wall quantities.</p> <p>GRAVITY WALLS: Summarize quantities, by location, on "Summary of Walls", rather than structures summary.</p> <p>STEPS: Per Index 521, Payment for reinforcing steel shall be made under 415-1-6 misc. steel. Summarize quantities, by location, on "Summary of General Items."</p> <p>Misc. Concrete (through June 2009 letting): Estimate 5 CY (5 M3) minimum. PENDING: To be replaced by Class NS concrete or other non-concrete items, to which concrete is incidental.</p> <p>Misc. Concrete (effective July 2009 letting): No separate payment is made for Misc. Concrete. Work and materials are to be included in the item to which it is incidental- pull &amp; junction box, lighting, signing, etc.</p> <p>Precast Deck Overlay: consists of Class II with steel fiber reinforcement; Class IV with polymer fiber reinforcement and low shrinkage admixtures. Coordinate Use of this item</p>		

with the State Structures Design Office. Requires modified specifications.

Seal Concrete, Class III: When it is not practical to dewater land pier footings, show seal concrete in the plans. For water piers, both waterline and mud line footings require seal concrete to be shown in the plans. See SDG's 3.7.

Precast Segmental Production: Refer to Section 452 of the specifications, as needed.

Superstructure Light-Weight Concrete requires plan notes and/or a TSP for unit weight, aggregate requirements, etc.

Low Shrink Deck Concrete: requires a TSP.

CIP Composite Topping with Admixtures: requires a TSP.

Self-Consolidating Concrete requires a Tech Spec. Coordinate this specification with the State Structures Design Office.

Counterweight Concrete may require plan notes and/or a TSP for unit weight, aggregate requirements, etc.

Concrete for bascule bridge pier should be paid for under Substructure or Mass-Substructure pay items. See SDG's 3.9.

Clearly delineate limits of microsilica concrete in the plans. Clearly delineate limits of calcium nitrite in the plans. CIP concrete requiring calcium nitrite should be paid for using the normal concrete pay item. See SDG's 1.4.3.

Class VI: Coordinate the use of these items with the State Structures Design Office.

COMP BOOK- ORIGINAL MEASUREMENT:

ALL, Except MISC: Detailed calculations are required in the computation book, calculate carefully to reflect actual scope of work. PLAN QUANTITY will be basis of payment to the Contractor.

MISC: Detailed calculations are required in computation book.

COMP BOOK- FINAL MEASUREMENT:

ALL, Except MISC: No calculations required unless item is to be adjusted. Final pay quantity will be PLAN QUANTITY with proper considerations for Specification tolerances.

MISC: Final measurements should be recorded in field book showing detailed calculations. (Refer to subarticle 400-22.2.2 in the specifications.) Transfer final quantity to proper form in computation book.

Related Items	Required	Recommended	415- 1- A
<b>Plan Summary Box</b>	Multiple: Multiple forms may be applicable. See details above. Refer to BOE details for project application.		
<i>NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.</i>			
<b>Design Forms and Documentation</b>	COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont. Locate in the plans. Summarize quantities by location in the computation book.		
<b>Construction Forms and Documentation</b>	No additional form required; use plans summary or comp book see detail		
<b>References</b>	<b>PPM Chapter</b>		

**Trns-port**

**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.  
Normally requires SHOP DRAWINGS

**Standards** See pay item structure for applicable Index numbers.

**Specifications** Sections 346, 347 for non-structural, 400

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

-----  
**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 400- -ALL Class NS, I, II, III, IV, V, VI Details CY**

- AAA = Applications, Valid Class(es)
- 1 (Culverts) Class II, IV
- 2 (Endwalls) Class I, II, IV, excluding Index 260 & 261 U-endwalls
- 4 (Superstructure) Class II, IV
- 5 (Substructure) Class II, IV
- 6 (Counterweight) Class IV
- 8 (Bulkhead) Class II, III, IV: Index 6040\*
- 10 (Approach Slabs) Class II
- 11 (Retaining Walls) CIP Retaining walls; DO NOT use this item for walls covered by 548 specifications
  - Class NS: Gravity Wall Index 520/6011\*
  - Class I: ???
  - Class II, III, IV: 5000 series/6010\*
- 12 (Trench Slabs) Class II
- 13 (Concrete Steps) Class NS, Index 521
- 15 (Miscellaneous) \*\*Valid through June 2009 letting\*\*
- 20 (Seal) Class III
- 22 (Superstructure Closure Joint) Class IV, VI
- 25 (Mass- Substructure) Class I, II, IV
- 39 (Precast Segmental Superstructure) Class IV, VI. Refer to Section 452.
- 40 (Precast Segmental Substructure) Class IV, V. Refer to Section 452.
- 41 (Precast Deck Overlay) Class II (Bridge Deck) with steel fiber reinforcement; Class IV with polymer fiber reinforcement & low shrink admixtures
- 42 (Substructure Self-Consolidating Concrete) Class VI, Tech Spec required
- 43 (Superstructure Self-Consolidating Concrete) Class VI, Tech Spec required
- 45 (Precast Substructure) Class III
- 46 (CIP Composite Topping with Admixture) Class II
- 104 (Superstructure Light-Weight) Class IV
- 105 (Superstructure Special) Class ??
- 106 (Microsilica Substructure) Class V
- 107 (Microsilica Substructure-Mass) Class V
- 239 (Low Shrink Deck) Material Only, Class V

\*Index numbers show both old (through June 2011)/ new (effective July 2011) references.

**Notes**

-----  
*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

<b>400- 0-AAA</b>	<b>CLASS NS CONCRETE</b>		
<b>Unit</b>	CY; M3	<b>Accuracy</b>	1/10 Cubic Yard; 1/10 Cubic Meter
<b>PlanQuantity?</b>	yes/no		

**Notes**

**Details**

Refer to 400- -ALL for details on all classes of concrete

**Related Items**

**Required** **Recommended** 415- 1- A

**Plan Summary Box**

Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
see detail

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.  
Normally requires SHOP DRAWINGS  
**Standards** Refer to 400- -ALL for details on all classes of concrete  
**Specifications** Sections 346, 347 for non-structural, 400

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 400- 0-AAA CLASS NS CONCRETE CY**

AAA = Class 0 Applications  
11 (Gravity Wall) Index 520/6011\*  
13 (Concrete Steps) Index 521

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 0 11	CONCRETE CLASS NS, GRAVITY WALL	CY		1/1/2013	
0400 0 13	CONCRETE CLASS NS, STEPS	CY		1/1/2013	

<b>400- 1-AAA</b>	<b>CLASS I CONCRETE</b>		
<b>Unit</b>	CY; M3	<b>Accuracy</b>	1/10 Cubic Yard; 1/10 Cubic Meter
<b>PlanQuantity?</b>	yes/no		

**Notes**

**Details** Refer to 400- -ALL for details on all classes of concrete

**Related Items** **Required** **Recommended** 415- 1- A

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
see detail

**References** **PPM Chapter**  
**Trns-port**  
**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.  
Normally requires SHOP DRAWINGS  
**Standards** Refer to 400- -ALL for details on all classes of concrete  
**Specifications** Sections 346, 347 for non-structural, 400

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 400- 1-AAA CLASS I CONCRETE CY**

AAA = Class I Applications  
1 (Culverts) valid through 12/2011, per index change to 289, 291, 292  
2 (Endwalls) Note: Does not include Index 260 or 261 U-endwalls  
11 (Retaining Walls)  
25 (Mass- Substructure)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 1 2	CONCRETE CLASS I, ENDWALLS	CY		1/1/2013	
0400 1 11	CONCRETE CLASS I, RETAINING WALLS	CY		1/1/2013	
0400 1 25	CONC CLASS I, MASS SUBSTRUCTURE	CY		1/1/2013	

<b>400- 2-AAA</b>	<b>CLASS II CONCRETE</b>		
<b>Unit</b>	CY; M3	<b>Accuracy</b>	1/10 Cubic Yard; 1/10 Cubic Meter
<b>PlanQuantity?</b>	yes/no		

**Notes**

**Details** Refer to 400- -ALL for details on all classes of concrete

**Related Items** **Required** **Recommended** 415- 1- A

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
see detail

**References** **PPM Chapter**  
**Trns-port**  
**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.  
**Standards** Refer to 400- -ALL for details on all classes of concrete  
**Specifications** Sections 346, 347 for non-structural, 400  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 400- 2-AAA CLASS II CONCRETE CY**

- AAA = Class II Applications, including Class II (Bridge Deck)
- 1 (Culverts)
- 2 (Endwalls) Note: Does not include Index 260 or 261 U-endwalls
- 4 (Superstructure)
- 5 (Substructure)
- 8 (Bulkhead)
- 10 (Approach Slabs)
- 11 (Retaining Walls) CIP retaining walls. NOTE: DO NOT use this item for walls covered by 548 specifications.
- 12 (Trench Slabs)
- 15 (Miscellaneous) \*\*Valid through June 2009 letting\*\*
- 41 (Precast Deck Overlay) Class II (Bridge Deck) concrete with steel fiber reinforcement
- 46 (CIP Composite Topping with Admixture) Class II

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 2 1	CONCRETE CLASS II, CULVERTS	CY		1/1/2013	
0400 2 2	CONCRETE CLASS II, ENDWALLS	CY		1/1/2013	
0400 2 4	CONC CLASS II, SUPERSTRUCTURE	CY		1/1/2013	
0400 2 5	CONCRETE CLASS II, SUBSTRUCTURE	CY		1/1/2013	
0400 2 8	CONCRETE CLASS II, BULKHEAD	CY		1/1/2013	
0400 2 10	CONCRETE CLASS II, APPROACH SLABS	CY		1/1/2013	
0400 2 11	CONCRETE CLASS II, RETAINING WALLS	CY		1/1/2013	
0400 2 12	CONCRETE, CLASS II, TRENCH SLAB	CY		1/1/2013	
0400 2 25	CONCRETE CLASS II, MASS, SUBSTRUCTURE	CY		1/1/2013	
0400 2 41	CONCRETE CLASS II, PRECAST DECK OVERLAY	CY		1/1/2013	
0400 2 46	CONCRETE CLASS II, CAST-IN-PLACE COMPOSITE TOPPING WITH ADMIXTURE	CY		1/1/2014	

---

<b>400- 3-AAA</b>	<b>CLASS III CONCRETE</b>		
<b>Unit</b>	CY; M3	<b>Accuracy</b>	1/10 Cubic Yard; 1/10 Cubic Meter
<b>PlanQuantity?</b>	yes/no		

**Notes**

**Details**

Refer to 400- -ALL for details on all classes of concrete

**Related Items**

**Required** **Recommended** 415- 1- A

**Plan Summary Box**

Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
see detail

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.  
**Standards** Refer to 400- -ALL for details on all classes of concrete  
**Specifications** Sections 346, 347 for non-structural, 400  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 400- 3-AAA CLASS III CONCRETE CY**

AAA = Class III Applications, including Class III (Seal)  
11 (Retaining Walls) CIP retaining walls. NOTE: DO NOT use this item for walls covered by 548 specifications.  
20 (Seal) Class III  
45 (Precast Substructure)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 3 1	CONCRETE CLASS III, CULVERTS	CY		1/1/2013	
0400 3 8	CONCRETE CLASS III, BULKHEAD	CY		1/1/2013	
0400 3 20	CONC CLASS III, SEAL	CY		1/1/2013	
0400 3 45	CONCRETE CLASS III, PRECAST SUBSTRUCTURE	CY		1/1/2013	

<b>400- 4-AAA</b>	<b>CLASS IV CONCRETE</b>		
<b>Unit</b>	CY; M3	<b>Accuracy</b>	1/10 Cubic Yard; 1/10 Cubic Meter
<b>PlanQuantity?</b>	yes/no		

**Notes**

**Details** Refer to 400- -ALL for details on all classes of concrete Class IV normally used for aggressive environments.

**Related Items** **Required** **Recommended** 415- 1- A

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
see detail

**References** **PPM Chapter**  
**Trns-port**  
**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.  
**Standards** Refer to 400- -ALL for details on all classes of concrete  
**Specifications** Sections 346, 347 for non-structural, 400

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 400- 4-AAA CLASS IV CONCRETE CY**

- AAA = Class IV Applications
- 1 (Culverts)
- 2 (Endwalls) Note: Does not include Index 260 or 261 U-endwalls
- 4 (Superstructure)
- 5 (Substructure)
- 6 (Counterweight)
- 8 (Bulkhead)
- 11 (Retaining Walls) CIP retaining walls. NOTE: DO NOT use this item for walls covered by 548 specifications.
- 22 (Superstructure Closure Joint)
- 25 (Mass- Substructure)
- 39 (Precast Segmental Superstructure)
- 40 (Precast Segmental Substructure)
- 41 (Precast Deck Overlay) w/admixtures

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 4 1	CONCRETE CLASS IV, CULVERTS	CY		1/1/2013	
0400 4 2	CONCRETE CLASS IV, ENDWALLS	CY		1/1/2013	
0400 4 4	CONCRETE CLASS IV, SUPERSTRUCTURE	CY		1/1/2013	
0400 4 5	CONCRETE CLASS IV, SUBSTRUCTURE	CY		1/1/2013	
0400 4 6	CONCRETE CLASS IV, COUNTERWEIGHT	CY		1/1/2013	
0400 4 8	CONC CLASS IV, BULKHEAD	CY		1/1/2013	
0400 4 11	CONC CLASS IV, RETAINING WALLS	CY		1/1/2013	
0400 4 25	CONCRETE CLASS IV, MASS, SUBSTRUCTURE	CY		1/1/2013	
0400 4 41	CONCRETE CLASS IV, PRECAST DECK OVERLAY	CY		1/1/2013	
0400 4104	CONC CLASS IV, SUPERSTRUCTURE, LT-WT	CY		1/1/2013	

---

**400- 6- PRECAST ANCHOR BEAMS**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**                      Intended for Precast Tie Back anchors for use in anchored wall systems. Include in anchored wall quantity block in plans

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**                      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**                      Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**                      Section 400

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    100 or 200    Structures or Roadway

**Struct.**    **400- 6-    PRECAST ANCHOR BEAMS    EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 6	PRECAST ANCHOR BEAMS	EA		1/1/2013	



**400- 8-AAA CLASS V CONCRETE**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?** yes/no

**Notes**

**Details** Refer to 400- -ALL for details on all classes of concrete

**Related Items**      **Required**      **Recommended** 415- 1- A

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
see detail

**References**      **PPM Chapter**

**Trns-port**

**Other** Mass Concrete SDG 3.9, Class and Admixtures SDG 1.4.3, Cofferdams and Seals SDG 3.7.

**Standards** Refer to 400- -ALL for details on all classes of concrete

**Specifications** Section 400

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct. 400- 8-AAA CLASS V CONCRETE CY**

AAA = Class V Applications, Including Class V (Special)  
39 (Precast Segmental Superstructure)  
40 (Precast Segmental Substructure)  
106 (Microsilica Substructure)  
107 (Microsilica Substructure-Mass)  
239 (Low Shrink Deck) Material Only

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 8 5	CONCRETE CLASS V, SUBSTRUCTURE	CY	T	1/1/2013	
0400 8 22	CONCRETE CLASS V, SUPER STRUCTURE CLOSURE JOINT	CY	T	1/1/2013	
0400 8 25	CONC CLASS V MASS - SUBSTRUCTURE	CY	T	1/1/2013	
0400 8 39	CONCRETE CLASS V, PRECAST SEGMENTAL SUPERSTRUCTURE	CY	T	1/1/2013	

---

0400 8106	CONCRETE CLASS V, MICROSILICA SUBSTRUCTURE	CY	T	1/1/2013
0400 8107	CONC CLASS V, MICROSILICA SUBSTRUCTURE MASS	CY		1/1/2013

---

**400- 9- BRIDGE DECK GROOVING AND PLANING- DECK THICKNESS 8.5" or GREATER**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?** yes

**Notes**

**Details** Item intended for cases where deck profilograph, and planing is required by specification. When rigid approach slab is utilized, include approach slab area. Quantity based on area bound by bridge gutter lines, begin/end of bridge or begin/end approach slab (if not covered by asphalt wearing surface).

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      SDG 4.2  
**Standards**  
**Specifications** Section 400

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**    **400- 9-      BRIDGE DECK GROOVING AND PLANING- DECK      SY**  
**THICKNESS 8.5" or GREATER**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 9	BRIDGE DECK GROOVING & PLANING, DECK 8.5"&>	SY		1/1/2013	

**400- 10- PRECAST PANEL (ARCHITECTURAL)**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**                      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**                      Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100    Structures

**Struct.**    **400- 10-    PRECAST PANEL (ARCHITECTURAL)    EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 10	PRECAST PANEL- ARCHITECTURAL	SF		1/1/2013	

**400- 16-AAA CLASS VI CONCRETE**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?** yes/no

**Notes**

**Details** Refer to 400- -ALL for details on all classes of concrete

**Related Items**      **Required**      **Recommended** 415- 1- A

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
see detail

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards** Refer to 400- -ALL for details on all classes of concrete  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**      **400- 16-AAA**      **CLASS VI CONCRETE**      **CY**

- AAA = Class VI Applications
- 22 (Superstructure Closure Joint)
- 25 (Mass- Substructure)
- 39 (Precast Segmental Superstructure)
- 42 (Substructure Self-Consolidating Concrete)
- 43 (Superstructure Self-Consolidating Concrete)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 16 22	CONCRETE, CLASS VI, SUPERSTRUCTURE - CLOSURE JOINT	CY	T	1/1/2013	
0400 16 25	CONCRETE CLASS VI, MASS, SUBSTRUCTURE	CY	T	1/1/2013	
0400 16 39	CONCRETE CLASS VI, PRECAST SEG SUPERST	CY	T	1/1/2013	

---

0400 16 42	CONCRETE CLASS VI, SUBSTRUCTURE SELF- CONSOLIDATING CONCRETE	CY	T	1/1/2013
0400 16 43	CONCRETE CLASS VI, SUPERSTRUCTURE SELF-CONSOLIDATING CONCRETE	CY	T	1/1/2013

---

**400- 20- GRINDING BRIDGE DECK- REHABILITATION ONLY**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?** no

**Notes**      **Estimates Support: Contact the State Structures Design Office before opening item.**

**Details**      For use on bridge rehabilitation projects only.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**A: Approvals needed and/or Monitored Item**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*    0100      Structures

**Struct.**    **400- 20- GRINDING BRIDGE DECK- REHABILITATION ONLY**      **SY**

**Notes**      Estimates Support: Contact the State Structures Design Office before opening item

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 20	GRINDING BRIDGE DECK- REHABILITATION	SY	M	1/1/2013	



**400- 60- A CATHODIC PROTECTION- ELECTRICAL WORK**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** no

**Notes**

**Details**

Intended for Electrical Work associated with Cathodic Protection. 3 pay items (power, conduit, and equipment, as described below) are needed for a complete electrical system. Use with either 400-142 Cathodic Protection (CP) of mass concrete products , 455-81 CP for piles, or 457 items- CP for integral pile jackets. Contact the Materials Lab for assistance with using this item.

AC or DC POWER SOURCE ASSEMBLY: Includes all work and materials for providing power to the Cathodic Protection System. For AC assemblies, this includes all costs associated with connection between system and external power source. For DC assemblies, includes solar panels, batteries, incidentals, and wiring necessary to provide power.

CONDUIT: Includes all conduit from power source assembly to end location(s), junction boxes, wiring, and all incidentals. Measure as the length of conduit from the power system, along the bridge, and down each pier to be protected.

EQUIPMENT & INSTRUMENTATION: Lump sum item to include all remaining items necessary for a complete system. Detail major equipment, by location, in the plans or Tech Specs.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 400-142, 455-81, or 457 items.      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities  
Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct. 400- 60- A CATHODIC PROTECTION- ELECTRICAL WORK LS/LS**

A= Components (Select only 1 power source assembly; use with BOTH A= 3 and 4)  
 1 (AC Power Source Assembly) LS  
 2 (DC Power Source Assembly) LS  
 3 (Conduit, Wiring, and Accessories) LS/LF  
 4 (Equipment & Instrumentation) LS

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 60 1	CATHODIC PROTECTION - ELECTRICAL WORK, AC POWER SOURCE ASSEMBLY	LS	T	1/1/2013	
0400 60 2	CATHODIC PROTECTION - ELECTRICAL WORK, DC POWER SOURCE ASSEMBLY	LS	T	1/1/2013	
0400 60 3	CATHODIC PROTECTION - ELECTRICAL WORK, CONDUIT, WIRING, AND ACCESSORIES	LS	T	1/1/2013	
0400 60 4	CATHODIC PROTECTION - ELECTRICAL WORK, EQUIPMENT & INSTRUMENTATION	LS	T	1/1/2013	

**400- 72- PRECAST BULKHEAD PANELS**

**Unit** SF; M2      **Accuracy** Square Foot; 1/10 Square Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for precast panels used as part of a soldier pile wall system. Pay Item note recommended; coordinate with specifications. Add pay item note similar to concrete sheet piles (Spec. 455-9.4 and 455-12.7) to include cost of trenching, preformed holes in cost of precast panels. Include in Soldier Wall Quantity Block in Plans. May require specification modifications as follows: 455-5.15.2 and 455-5.15.3 Placement Tolerances (+/-1") and Batter Tolerances (1/8 in/ft)

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required**      **Recommended** 455-34- AA

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      SDG 3.12.9 and Figure 3-13.  
Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**      **400- 72-**      **PRECAST BULKHEAD PANELS**      **SF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 72	PRECAST BULKHEAD PANELS	SF	T	1/1/2013	

**400- 73- A SPAN JACKING**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**                      **Monitor: Tom Andres**

**Details**                      Contact the State Structures Design Office

To be used only for permanently raising a bridge for vertical clearance.

Paid per each span, for simple span bridges. Paid per each unit for continuous spans.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):* 0100    Structures

**Struct.**    **400- 73- A**                                      **SPAN JACKING**    **EA**

A= Project Number (assigned after approval)  
1 (432641-1-52-01LS) letting date ??

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 73 1	SPAN JACKING (PROJECT 432641-1-52-01)	EA	T	1/1/2013	



**400- 95- A      COFFERDAM**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** yes

**Notes**

**Details**

Intended to construct/dewater cofferdams. Cofferdams may be required to construct or demolish mud line footings located in the waterway. This pay item is not to be utilized when full containment structures are required due to special environmental turbidity requirements, or when a pier footing is located at the shoreline making dewatering difficult. Do not use for waterline or slightly submerged footings.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 400- 3- 20                      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**                      SDG 3.7.  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100                      Structures

**Struct.      400- 95- A                      COFFERDAM                      EA**

A =  
1 (Bascule Pier)  
3 (Special) valid through 12-31-14

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400 95 1	COFFERDAM, BASCULE PIER	EA	T	1/1/2013	



**400-128- GROUTING PRECAST DECK PANELS (NON-SHRINK GROUT)**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for grouting the keyways of precast deck panels for both new and rehabilitation projects, in accordance with Design Standard.

A Pay Item note is recommended to indicate that payment is based on the length of the keyway, for the work shown on the Design Standard. Payment for materials and labor includes grout, backer rod (when needed), and incidental materials.

On rehabilitation projects, include pay item notes to address payment of the various work items involved. A Tech Spec may be required to address removal of existing asphalt overlay, removal and preparation of existing keyways, grouting of keyways, post-tensioning and new overlay requirements.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

Index No. 20350

**Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.** 400-128-

**GROUTING PRECAST DECK PANELS (NON-SHRINK GROUT) LF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400128	GROUTING PRECAST DECK PANELS, NON-SHRINK GROUT	LF	T	1/1/2013	

**400-136- EPOXY CONCRETE OVERLAY- STRUCTURES REHAB**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?** yes

**Notes**

**Details**

Used for rehabilitation of existing bridges. Item includes all costs for shotblasting deck, cleaning deck surface, testing cohesion, furnishing & installing epoxy overlay wearing surface. Contact State Structures Office for assistance.

Add a plan note to indicate the payment surface area, as well as application guidance: "Deck surface area to be covered is ##### SY. The cost of this pay item includes two applications." Similarly, if the coating thickness and/or number of coats varies by manufacturer, the note could be "Deck surface area to be covered is ##### SY. Apply the coating(s) in accordance with the manufacturer's instructions." If additional surface preparation guidance and/or coating application instructions are needed, consider using a tech spec.

Pay area should be the plan area, regardless of the number of applications or thickness required.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 400-136- EPOXY CONCRETE OVERLAY- STRUCTURES REHAB SY**

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400136	EPOXY CONCRETE OVERLAY- STRUCTURES REHAB	SY	T	1/1/2013	

---

**400-140- A NEOPRENE PAD REPLACEMENT**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation and widening projects to replace existing damaged pads. Show locations w/ quantity block in plans. Include pay item note to include cost of neoprene pads, jacking bridge, disposal of old pads, and all other labor and materials required to replace existing bearing incidental to cost of this item.  
For Composite pads, refer to pay item 400-147.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**                      SDG 6.5

**Standards**              Index No. 20500, 20501

**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0100                      Structures

**Struct.    400-140- A                      NEOPRENE PAD REPLACEMENT                      EA**

- A =
- 1 (Bent / Pier)
- 2 (Abutment)
- 3 (Install Only) FDOT furnished pads

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400140 1	NEOPRENE PAD REPLACEMENT, BENT/PIER	EA	T	1/1/2013	
0400140 2	NEOPRENE PAD REPLACEMENT, ABUTMENT	EA	T	1/1/2013	
0400140 3	NEOPRENE PAD REPLACEMENT, INSTALL ONLY	EA	T	1/1/2013	

---

**400-142- A CATHODIC PROTECTION SYSTEM**

**Unit** SF; M2      **Accuracy** Square Foot; 1/10 Square Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation projects when galvanic or impressed current cathodic systems are used for mass concrete or structural components. Contact State Materials Office, Corrosion Lab for assistance in use of this item. Show locations in plans w/ quantity block.

Use Item 400-60 for Electrical Work associated with this item.

DO NOT USE this item for Pile or Pile Jacket Cathodic Protection. See 455-81 (pile) or 457-71 (pile jacket) for other Cathodic Protection items.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 400- 60- A      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 400-142- A CATHODIC PROTECTION SYSTEM SF**

- A =
- 3 (Zinc Aluminum Spray)
- 4 (Zinc Aluminum Sheets)
- 7 (Titanium Mesh)
- 8 (Titanium Bars)
- 9 (Other Material) to be used only with approval of State Corrosion Engineer/Materials Office

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400142 3	CATHODIC PROTECTION SYSTEM, ZINC ALUMINUM SPRAY	SF	T	1/1/2013	
0400142 4	CATHODIC PROTECTION SYSTEM, ZINC ALUMINUM SHEETS	SF	T	1/1/2013	
0400142 7	CATHODIC PROTECTION SYSTEM, TITANIUM MESH	SF	T	1/1/2013	
0400142 8	CATHODIC PROTECTION SYSTEM, TITANIUM BARS	SF	T	1/1/2013	
0400142 9	CATHODIC PROTECTION SYSTEM, OTHER MATERIAL	SF	T	1/1/2013	

---



**400-145- A CLEANING CONCRETE SURFACE**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** yes

**Notes**

**Details** Intended for cleaning existing class 5 finish coating of existing bridge. Show locations in plans w/ quantity block. Include pay item note in plans.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**P: Plan details required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*      100 or 200      Structures or Roadway

**Struct.**      **400-145- A**      **CLEANING CONCRETE SURFACE**      **Mixed**

A = location  
Blank (Above Water) SF  
1 (Underwater) LS/SF

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400145	CLEANING CONCRETE SURFACE	SF	T	1/1/2013	

**400-147- COMPOSITE NEOPRENE PADS**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for composite (steel reinforced) neoprene bearing pads for bridges. Include cost of plain neoprene bearing pads in cost of concrete superstructure component. Add pay item note for this case. Show locations in plans w/ quantity block.  
For replacement of neoprene pads, refer to pay item 400-140.

Note: Designers should refer to Instructions for Design Standards (IDS) to verify if this pay item (separate payment) is to be used, or whether payment is included in the prestressed beams they are used with. The cost of beveled and embedded bearing plates is incidental to the cost of the prestressed beams they are used with.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

700-050-56: Daily Log Sheet Miscellaneous Tabulation Form Site Source Record  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**

**Trns-port**

**Other**

SDG 6.5, Normally requires SHOP DRAWINGS

**Standards**

Index No. 20500, 20510

**Specifications**

Section 400

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 400-147- COMPOSITE NEOPRENE PADS CF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400147	COMPOSITE NEOPRENE PADS	CF		1/1/2013	

**400-150- CLEANING AND SEALING EXISTING CONCRETE SURFACES (Maintenance Use Only)**

**Unit** SF; M2      **Accuracy** Square Foot; 1/10 Square Meter      **PlanQuantity?** yes

**Notes**

**Details**

FOR MAINTENANCE ACTIVITIES ONLY; do not use for new construction.

Intended for the cleaning and sealing/staining/coating of existing concrete surfaces. Specs should detail the materials and application instructions/rates, as needed.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumqrd: Roadway Summary of Quantities Sheet  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 400

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 400-150- CLEANING AND SEALING EXISTING CONCRETE SURFACES (Maintenance Use Only) SF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400150	CLEANING AND SEALING EXISTING CONCRETE SURFACE	SF	T	1/1/2013	

**400-153- NON SHRINK GROUT- MISCELLANEOUS**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** no

**Notes**

**Details**

For rehabilitation/widening projects only. Use 10.0 CF (0.03 M3) as a minimum quantity. Show locations in plans w/ quantity block. Include pay item note in plans.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 400-153- NON SHRINK GROUT- MISCELLANEOUS CF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0400153	NON SHRINK GROUT, F&I, MISCELLANEOUS- STRUCTURES REHAB	CF	T	1/1/2013	



**401- 70- A RESTORE SPALLED AREAS**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** no

**Notes** **PENDING: Refer to Developmental Specification 403 for bridge deck repair.**

**Details** Used on rehabilitation projects to cover costs of patching existing concrete spalls. Show locations in plans w/ quantity block. Include pay item note in plans. Cost includes cost of preparation, labor and material of concrete patch. Use 10.0 CF (1.00 M3) as a minimum quantity.

MATERIAL REQUIREMENTS NEEDED in the Technical Special Provisions.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **401- 70- A**      **RESTORE SPALLED AREAS**      **CF**

- A =
- 1 (Epoxy)
- 2 (Latex Modified Mortar - Styrene-Butadiene)
- 3 (Latex Modified Mortar - Acrylic)
- 4 (Portland Cement Grout)
- 5 (Contractors Option)
- 6 (Thermosetting Polymer Concrete)
- Blank (Gunite)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0401 70	RESTORE SPALLED AREAS, GUNITE	CF	T	1/1/2013	
0401 70 1	RESTORE SPALLED AREAS, EPOXY	CF	T	1/1/2013	
0401 70 2	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR- STYRENE BUTADIENE	CF	T	1/1/2013	
0401 70 3	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR- ACRYLIC	CF	T	1/1/2013	
0401 70 4	RESTORE SPALLED AREAS, PORTLAND CEMENT GROUT	CF	T	1/1/2013	
0401 70 5	RESTORE SPALLED AREAS, CONTRACTORS OPTION	CF	T	1/1/2013	
0401 70 6	SPALLED AREAS RESTORE, THERMOSETTING POLYMER CONC	CF	T	1/1/2013	

**401- 71- AB RESTORE SPALLED AREAS- Maintenance Contracts only**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** no

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**PENDING: Refer to Developmental Specification 403 for bridge deck repair.**

**Details**      MAINTENANCE CONTRACTS ONLY- Specific locations not known;

Used on rehabilitation projects to cover costs of patching existing concrete spalls. Cost includes cost of preparation, labor and material of concrete patch. Use 10.0 CF (1.00 M3) as a minimum quantity.

MATERIAL REQUIREMENTS NEEDED in the Technical Special Provisions.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **401- 71- AB**      **RESTORE SPALLED AREAS- Maintenance Contracts only**      **CF**

A = Material  
1 (Gunite)  
Additional Materials, per Maintenance Office  
B= Location  
1 (Over Land and < or = 20' bridge height)  
2 (Over Land and > 20' bridge height)

3 (Over water and < or = 20' bridge height)

4 (Over water and > 20' bridge height)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0401 71 11	RESTORE SPALLED AREAS- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND <= 20' BRIDGE HEIGHT	CF	T	1/1/2013	
0401 71 12	RESTORE SPALLED AREAS- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND > 20' BRIDGE HEIGHT	CF	T	1/1/2013	
0401 71 13	RESTORE SPALLED AREAS- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND <= 20' BRIDGE HEIGHT	CF	T	1/1/2013	
0401 71 14	RESTORE SPALLED AREAS- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND > 20' BRIDGE HEIGHT	CF	T	1/1/2013	

**403- 1- EPOXY CONCRETE OVERLAY FOR CONCRETE BRIDGE DECKS**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?**

**Notes**      **PENDING: For use with Developmental Specification 403. Contact the Monitor for approval.**

**Details**      MONITOR: Ivan Lasa, State Materials Office.

This item is intended for repair/rehab of concrete bridge decks. DO NOT USE this item for other locations.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
                          **Trns-port**  
                          **Other**  
                          **Standards**  
                          **Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0100      Structures

**Struct.**    **403- 1-      EPOXY CONCRETE OVERLAY FOR CONCRETE      SY**  
    **BRIDGE DECKS**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**403- 2- RESTORE SPALLED AREAS FOR CONCRETE BRIDGE DECKS**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?**

**Notes**      **PENDING: For use with Developmental Specification 403. Contact the Monitor for approval.**

**Details**      MONITOR: Ivan Lasa, State Materials Office.

This item is intended for repair/rehab of concrete bridge decks. DO NOT USE this item for other locations.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0100      Structures

**Struct.**    **403- 2-      RESTORE SPALLED AREAS FOR CONCRETE BRIDGE DECKS      CF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**404- 1- PRECAST BENT CAPS**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?** yes

**Notes**      **Specifications are under development; contact the State Structures Design Office before using this pay item.**

**Details**      Intended for precast bent caps supported by driven piles or drilled shafts. Refer to Section 404 of the specifications for additional information.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 404  
**D: Developmental Specifications**  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**    **404- 1-**      **PRECAST BENT CAPS**      **CY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0404 1	PRECAST BENT CAPS	CY	T	1/1/2013	6/30/2015

<b>404- 5- AB</b>	<b>PRECAST DECK PANEL</b>		
	<b>Unit</b> SY; M2	<b>Accuracy</b> Square Yard; Square Meter	<b>PlanQuantity?</b> yes
<b>Notes</b>	<b>Specifications are under development; contact the State Structures Design Office before using this pay item.</b>		
<b>Details</b>	Intended for use on precast deck panels spanning transversely across beam lines. Refer to Section 404 of the specifications for additional information.  For non-post-tensioned prestressed bridge deck panels spanning longitudinally w/ concrete wearing surface, see Section 450 items.		
<b>Related Items</b>	<b>Required</b>	<b>Recommended</b>	
<b>Plan Summary Box</b>	Summary of Structures Quantities, Bridge xxxxxx		
<i>NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.</i>			
<b>Design Forms and Documentation</b>	COMP 700-050-01: Area Computation and Continuation Locate in the plans. Summarize quantities by location in the computation book.		
<b>Construction Forms and Documentation</b>	No additional form required; use plans summary or comp book Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.		
<b>References</b>	<b>PPM Chapter</b> <b>Trns-port</b> <b>Other</b> <b>Standards</b> <b>Specifications</b> Section 404 <b>D: Developmental Specifications</b> <a href="http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks">http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks</a>		

**TRNS\*PORT Category (DRAFT FIELD):**

<b>Struct.</b>	<b>404- 5- AB</b>	<b>PRECAST DECK PANEL</b>	<b>SY</b>
	A= Reinforcement 1 (Non-prestressed) 2 (Pretensioned) B= Thickness 1 (8") 2 (8.5") 3 (9") 4 (9.5") 5 (10")		

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0404 5 11	PRECAST DECK PANEL, NON-PRESTRESSED, 8"	SY	T	1/1/2013	
0404 5 12	PRECAST DECK PANEL, NON-PRESTRESSED, 8.5"	SY	T	1/1/2013	
0404 5 13	PRECAST DECK PANEL, NON-PRESTRESSED, 9"	SY	T	1/1/2013	
0404 5 14	PRECAST DECK PANEL, NON-PRESTRESSED, 9.5"	SY	T	1/1/2013	
0404 5 15	PRECAST DECK PANEL, NON-PRESTRESSED, 10."	SY	T	1/1/2013	
0404 5 21	PRECAST DECK PANEL, PRETENSIONED, 8"	SY	T	1/1/2013	
0404 5 22	PRECAST DECK PANEL, PRETENSIONED, 8.5"	SY	T	1/1/2013	
0404 5 23	PRECAST DECK PANEL, PRETENSIONED, 9"	SY	T	1/1/2013	
0404 5 24	PRECAST DECK PANEL, PRETENSIONED, 9.5"	SY	T	1/1/2013	
0404 5 25	PRECAST DECK PANEL, PRETENSIONED, 10."	SY	T	1/1/2013	

**404- 6- GROUT FOR PRECAST DECK PANEL**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?** yes

**Notes**      **Specifications are under development; contact the State Structures Design Office before using this pay item.**

**Details**      Includes the materials and labor to grout precast deck panels with a Precision Grout. Contact the State Structures Design Office before using this pay item.

Ensure that material and installation requirements are included in the Contract Documents.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 404

**D: Developmental Specifications**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **404- 6-**      **GROUT FOR PRECAST DECK PANEL**      **CY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0404 6	GROUT FOR PRECAST DECK PANEL	CY	T	1/1/2013	

**404- 7- CLOSURE JOINT FOR PRECAST DECK PANEL**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**      **Specifications are under development; contact the State Structures Design Office before using this pay item.**

**Details**      Includes the materials and labor to complete the closure joint between precast deck panels with Shrinkage Reducing Admixtures.

Ensure that material and installation requirements are included in the Contract Documents.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**

**Specifications**      Section 404

**D: Developmental Specifications**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **404- 7-      CLOSURE JOINT FOR PRECAST DECK PANEL      LF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0404 7	CLOSURE JOINT FOR PRECAST DECK PANEL	LF	T	1/1/2013	

**405- 70- A LATEX MODIFIED PORTLAND CEMENT CONCRETE**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for thin deck overlays. Show locations in plans w/ quantity block. Include pay item note in plans. Cost includes cost of preparation, labor and material of latex modified concrete overlay.  
Use 10.0 CF (1.00 M3) as a minimum quantity.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 405

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 405- 70- A LATEX MODIFIED PORTLAND CEMENT CONCRETE CF**

A =  
1 (Type I Cement)  
2 (Type III Cement)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0405 70 1	LATEX MODIFIED PORTLAND CEMENT CONCRETE, TYPE I	CF	T	1/1/2013	
0405 70 2	LATEX MODIFIED PORTLAND CEMENT CONC,TYPE III	CF	T	1/1/2013	

---

**405- 71- VERY EARLY STRENGTH LATEX MODIFIED CONCRETE**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** no

**Notes**      **Monitor: Gevin McDaniel**

**Details**      This item must be coordinated with the State Structures Design Office for each proposed project.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**

**Specifications**      Section 405

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **405- 71-      VERY EARLY STRENGTH LATEX MODIFIED      CF**  
**CONCRETE**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**407- 1- AB      PRECAST THREE SIDED CULVERT**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details** Per specifications, 3 sided box culvers are not an equivalent substitution for Precast Concrete Box Culverts. Refer to PPM for selection and design criteria.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter** Vol 1, Chapter 33  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 407

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct.**      **407- 1- AB**      **PRECAST THREE SIDED CULVERT**      **LF**

- A= Span (Total width of culvert when multiple barrels)
  - 1 (up to 20 ft)
  - 2 (20-29 ft)
  - 3 (30-39 ft)
  - 4 (40-49 ft)
  - 5 (50 ft or greater)
- B= Height
  - 1 (up to 10 ft)
  - 2 (10 ft or greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0407 1 21	PRECAST CONCRETE 3 SIDE BOX CULVERT, 20-29' SPAN, < OR = 10' HEIGHT	LF		1/1/2013	

**411- 1- EPOXY MATERIAL FOR CRACK INJECTION**

**Unit** GA; LI      **Accuracy** Gallon; Liter      **PlanQuantity?** no

**Notes**

**Details** Items 411-1 and 411-2 are for separate payment of materials and labor for Epoxy Injection of cracks in existing concrete surfaces, in accordance with specification Section 411.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 411

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 411- 1- EPOXY MATERIAL FOR CRACK INJECTION GA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0411 1	EPOXY MATERIAL FOR CRACK INJECTION- STRUCTURES REHAB	GA		1/1/2013	

<b>411- 2-</b>	<b>INJECT AND SEAL CRACK</b>		
<b>Unit</b>	LF; M1	<b>Accuracy</b>	Linear Foot; 1/10 Meter
<b>PlanQuantity?</b>	no		

**Notes**

**Details** See Item 411-1 for detail information.

**Related Items** **Required** **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book

**References** **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 411

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct.** 411- 2- **INJECT AND SEAL CRACK** **LF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0411 2	CRACKS INJECT & SEAL- STRUCTURES REHAB	LF		1/1/2013	

**411- 2- A INJECT AND SEAL CRACK-Maintenance Contracts only**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes** **Maintenance Item: Not Valid for Construction Contracts**

**Details** MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 411

**M: Maintenance Specifications**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**    **411- 2- A**      **INJECT AND SEAL CRACK-Maintenance Contracts only**      **LF**

- A= Location
- 1 (Over Land and ≤ 20' bridge height)
- 2 (Over Land and > 20' bridge height)
- 3 (Over water and ≤ 20' bridge height)
- 4 (Over water and > 20' bridge height)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0411 2 1	INJECT AND SEAL CRACK- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND <= 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0411 2 2	INJECT AND SEAL CRACK- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND > 20' BRIDGE HEIGHT	LF	T	1/1/2013	

---

0411 2 3	INJECT AND SEAL CRACK- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND <= 20' BRIDGE HEIGHT	LF	T	1/1/2013
0411 2 4	INJECT AND SEAL CRACK- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND > 20' BRIDGE HEIGHT	LF	T	1/1/2013

---

**413-149- PENETRANT SEALER**

**Unit** GA; LI      **Accuracy** Gallon; Liter      **PlanQuantity?** no

**Notes**

**Details**

NO SEPARATE PAYMENT FOR NEW, PRECAST ITEMS.  
Pay Item for Rehabilitation jobs only. Intended to cover material cost of penetrant sealer.  
Pay Item 413-154 to cover labor costs. Show locations in plans w/ quantity block.

**Related Items**

**Required** 413-154      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

700-050-56: Daily Log Sheet Miscellaneous Tabulation Form Site Source Record  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 413

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct. 413-149- PENETRANT SEALER GA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0413149	PENETRANT SEALER	GA		1/1/2013	

**413-151- METHACRYLATE MONOMER**

**Unit** GA; LI      **Accuracy** Gallon; Liter      **PlanQuantity?** no

**Notes**

**Details**

For use on rehabilitation projects to seal existing deck cracks. Contact State Materials (Gainesville Corrosion) Lab for assistance with Specs. Intended to cover material cost of methacrylate monomer. Pay Item 413-154 to cover labor costs. Show locations in plans w/ quantity block.

**Related Items**

**Required** 413-154      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

700-050-56: Daily Log Sheet Miscellaneous Tabulation Form Site Source Record  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 413

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct. 413-151- METHACRYLATE MONOMER GA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0413151	METHACRYLATE MONOMER	GA		1/1/2013	

**413-154- CLEANING AND SEALING CONCRETE SURFACES: PENETRANT SEALER OR METHACRYLATES**

**Unit** SF; M2      **Accuracy** Square Foot; 1/10 Square Meter      **PlanQuantity?** no

**Notes**

**Details**

NO SEPARATE PAYMENT for prestressed, precast items.

REFER TO SECTION 400 for other coatings.  
Intended to cover labor cost of penetrant sealer or Methacrylates. Pay Item 413-149 or 413-151 to cover material costs. Show locations in plans w/ quantity block.

**Related Items**

**Required** 413-149 or 413-151      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 413

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct. 413-154- CLEANING AND SEALING CONCRETE SURFACES: SF**  
**PENETRANT SEALER OR METHACRYLATES**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0413154	CLEANING & SEALING CONCRETE SURFACES - PENETRANT SEALER OR METHACRYLATES	SF		1/1/2013	

**415- 1- A REINFORCING STEEL**

**Unit** LB; KG      **Accuracy** Pound; Kilogram      **PlanQuantity?** yes

**Notes**

**Details**

Show locations in plans w/ quantity block by component (when component is constructed in phases break down quantity by phase). Include complete bar lists in plans.

APPROACH SLABS: Item No. 415- 1- 9 (2415- 1- 9) to be used with Item No. 400- 2- 10 (2400- 2- 10).

BOX CULVERTS: Use Reinf Steel- Roadway, per IDS for 289, 290, 291

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      ENDWALLS: Index No. 295  
                             MISC: Index No. 280 for guard at pipe end  
                             STEPS: Index No. 521  
                             BOX CULVERTS: Index 289  
**Specifications**      Section 415

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      100 or 200      Structures or Roadway

**Struct.**      **415- 1- A**      **REINFORCING STEEL**      **LB**

- A =
- 1 (Roadway) including box culverts
- 3 (Retaining Wall)
- 4 (Superstructure)
- 5 (Substructure)
- 6 (Miscellaneous)
- 8 (Bulkhead)
- 9 (Approach Slabs)
- 13 (Steps) valid through 12-31-2010; replaced by A=6

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0415 1 1	REINF STEEL- ROADWAY	LB		1/1/2013	
0415 1 3	REINFORCING STEEL- RETAINING WALL	LB		1/1/2013	
0415 1 4	REINFORCING STEEL - SUPERSTRUCTURE	LB		1/1/2013	
0415 1 5	REINFORCING STEEL- SUBSTRUCTURE	LB		1/1/2013	
0415 1 6	REINFORCING STEEL- MISCELLANEOUS	LB		1/1/2013	
0415 1 8	REINFORCING STEEL- BULKHEAD	LB		1/1/2013	
0415 1 9	REINFORCING STEEL- APPROACH SLABS	LB		1/1/2013	

---



425- 1-AAB	INLETS		
	<b>Unit</b> EA	<b>Accuracy</b> Each	<b>PlanQuantity?</b> no
<b>Notes</b>			
<b>Details</b>	<p>"Partial" is used when the top of an existing structure is to be modified, but the bottom remains.</p> <p>"Modified" is used when the standard structure on new construction is modified by adding weirs, notches, skimmers, and/or a change to dimensions and reinforcement; details are to be included in the plans.</p> <p>"Special" is used for situations where NO DESIGN STANDARD is applicable. Special Designs require complete signed and sealed drawings to be included in the plans. DO NOT USE Special for minor changes to existing standards.</p> <p>Refer to 425-15-AB if the work is limited to maintenance activities for the inlet top. Refer to 425-11 Modify Existing Inlet, for modifications such as cutting new holes in the side of an inlet to add pipes, or adding slots to a DBI.</p> <p>Median Barrier Inlet descriptions, from Index 217:                      Type 1 Single throat, one side of barrier wall.                      Type 2 Double throats, one side of barrier wall.                      Type 3 Two single throats, opposite side of Wall.                      Type 4 Two double throats, opposite sides of barrier wall.                      Type 5 Double throats, one side of barrier wall, and single throat other side of barrier wall.</p> <p>For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.</p>		
<b>Related Items</b>	<b>Required</b>	<b>Recommended</b>	
<b>Plan Summary Box</b>	Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items  Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.		
<i>NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.</i>			
<b>Design Forms and Documentation</b>	sumdrd.dgn: Summary of Drainage Structures  Locate in plans. Summarize quantities by location on summary sheet in the plans.		
<b>Construction Forms and Documentation</b>	No additional form required; use plans summary or comp book  Record final quantity on the tabulation sheet (plans) or computation form (comp book).		
<b>References</b>	<b>PPM Chapter</b> <b>Trns-port</b> <b>Other</b> <b>Standards</b> Index No. 200, 201, 210, 211, 212, 213, 215, 216, 217, 218, 219, 220, 221, 230, 232, 233, 234, 235, 240, 282  <b>Specifications</b> Section 425  <b>T: Selected Items may require Plan Details and/or Technical Specifications</b>		

-----  
**TRNS\*PORT Category (DRAFT FIELD):** 0200 Roadway

**Struct. 425- 1-AAB INLETS EA**

AA = Inlet Type

20 (Curb Type 9) Index 214

21 (Curb Type 10) Index 215

31 (Curb Type P-1) B not 3, 4, 7, or 8

32 (Curb Type P-2) B not 3, 4, 7, or 8

33 (Curb Type P-3) B not 3, 4, 7, or 8

34 (Curb Type P-4) B not 3, 4, 7, or 8

35 (Curb Type P-5) B not 3, 4, 7, or 8

36 (Curb Type P-6) B not 3, 4, 7, or 8

41 (Curb Type J-1) B not 3, 4, 7, or 8

42 (Curb Type J-2) B not 3, 4, 7, or 8

43 (Curb Type J-3) B not 3, 4, 7, or 8

44 (Curb Type J-4) B not 3, 4, 7, or 8

45 (Curb Type J-5) B not 3, 4, 7, or 8

46 (Curb Type J-6) B not 3, 4, 7, or 8

47 (Curb Type 7) Index 212

48 (Curb Type 8) Index 213

50 (Ditch Bottom Type A) Index 230

51 (Ditch Bottom Type B) Index 231

52 (Ditch Bottom Type C) Index 232

53 (Ditch Bottom Type C Mod) Index 282 Back of Sidewalk; B not 9

54 (Ditch Bottom Type D) Index 232

55 (Ditch Bottom Type E) Index 232

56 (Ditch Bottom Type F) Index 233

57 (Ditch Bottom Type G) Index 233

58 (Ditch Bottom Type H) Index 232

60 (Ditch Bottom Type J) Index 234

61 (Ditch Bottom Type K) Index 235

70 (Gutter Type S) Index 220

71 (Gutter Type V) Index 221

80 (Med Barrier Type 1) Index 217

81 (Med Barrier Type 2) Index 217

84 (Med Barrier Type 3) Index 217

85 (Med Barrier Type 4) Index 217

86 (Med Barrier Type 5) Index 217

88 (Barrier Wall, Rigid, Curb & Gutter) Index 219

89 (Barrier Wall) Index 218

90 (Special) NO DESIGN STANDARD; full design details required. Valid through 12-31-15.

91 (Closed Flume) B= 0; Index 216

B = Inlet depth/height

1 ( $\leq 10'$ )

2 ( $> 10'$ )

3 (J Bot,  $< 10'$ ) Index 200

4 (J Bot,  $> 10'$ ) Index 200

5 (Partial) see details- for existing inlets

9 (Modify) see details- for new inlets

0 (N/A)

**Notes**

-----

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 1201	INLETS, CURB, TYPE 9, <10'	EA		1/1/2013	
0425 1202	INLETS, CURB, TYPE 9, >10'	EA		1/1/2013	
0425 1203	INLETS, CURB, TYPE 9, J BOT, <10'	EA		1/1/2013	
0425 1204	INLETS, CURB, TYPE 9, J BOT, >10'	EA		1/1/2013	
0425 1205	INLETS, CURB, TYPE 9, PARTIAL	EA		1/1/2013	
0425 1209	INLETS, CURB, TYPE 9, MODIFY	EA		1/1/2013	
0425 1211	INLETS, CURB, TYPE 10, <10'	EA		1/1/2013	
0425 1212	INLETS, CURB, TYPE 10, >10'	EA		1/1/2013	
0425 1213	INLETS, CURB, TYPE 10, J BOT <10'	EA		1/1/2013	
0425 1214	INLETS, CURB, TYPE 10, J BOT >10'	EA		1/1/2013	
0425 1215	INLETS, CURB, TYPE 10, PARTIAL	EA		1/1/2013	
0425 1311	INLETS, CURB, TYPE P-1, <10'	EA		1/1/2013	
0425 1312	INLETS, CURB TYPE P-1, >10'	EA		1/1/2013	
0425 1315	INLETS, CURB TYPE P-1, PARTIAL	EA		1/1/2013	
0425 1319	INLETS, CURB TYPE P-1, MODIFY	EA		1/1/2013	
0425 1321	INLETS, CURB, TYPE P-2, <10'	EA		1/1/2013	
0425 1322	INLETS, CURB, TYPE P-2, >10'	EA		1/1/2013	
0425 1325	INLETS, CURB, TYPE P-2, PARTIAL	EA		1/1/2013	
0425 1329	INLETS, CURB TYPE P-2, MODIFY	EA		1/1/2013	
0425 1331	INLETS, CURB, TYPE P-3, <10'	EA		1/1/2013	
0425 1332	INLETS, CURB. TYPE P-3, >10'	EA		1/1/2013	
0425 1335	INLETS, CURB, TYPE P-3, PARTIAL	EA		1/1/2013	
0425 1341	INLETS, CURB, TYPE P-4, <10'	EA		1/1/2013	
0425 1342	INLETS, CURB, TYPE P-4, >10'	EA		1/1/2013	
0425 1345	INLETS, CURB, TYPE P-4, PARTIAL	EA		1/1/2013	
0425 1349	INLETS, CURB, TYPE P-4, MODIFY	EA		1/1/2013	
0425 1351	INLETS, CURB, TYPE P-5, <10'	EA		1/1/2013	
0425 1352	INLETS, CURB, TYPE P-5, >10'	EA		1/1/2013	
0425 1355	INLETS, CURB, TYPE P-5, PARTIAL	EA		1/1/2013	
0425 1359	INLETS, CURB, TYPE P-5, MODIFY	EA		1/1/2013	
0425 1361	INLETS, CURB, TYPE P-6, <10'	EA		1/1/2013	
0425 1362	INLETS, CURB, TYPE P-6, >10'	EA		1/1/2013	
0425 1365	INLETS, CURB, TYPE P-6, PARTIAL	EA		1/1/2013	
0425 1369	INLETS, CURB, TYPE P-6, MODIFY	EA		1/1/2013	
0425 1411	INLETS, CURB TYPE J-1, <10'	EA		1/1/2013	
0425 1412	INLETS, CURB, TYPE J-1, >10'	EA		1/1/2013	
0425 1415	INLETS, CURB, TYPE J-1, PARTIAL	EA		1/1/2013	
0425 1419	INLETS, CURB, TYPE J-1, MODIFY	EA		1/1/2013	

0425 1421	INLETS, CURB, TYPE J-2, <10'	EA	1/1/2013
0425 1422	INLETS, CURB, TYPE J-2, >10'	EA	1/1/2013
0425 1425	INLETS, CURB, TYPE J-2, PARTIAL	EA	1/1/2013
0425 1429	INLETS, CURB, TYPE J-2, MODIFY	EA	1/1/2013
0425 1431	INLETS, CURB, TYPE J-3, <10'	EA	1/1/2013
0425 1432	INLETS, CURB, TYPE J-3, >10'	EA	1/1/2013
0425 1435	INLETS, CURB, TYPE J-3, PARTIAL	EA	1/1/2013
0425 1441	INLETS, CURB, TYPE J-4, <10'	EA	1/1/2013
0425 1442	INLETS, CURB, TYPE J-4, >10'	EA	1/1/2013
0425 1445	INLETS, CURB, TYPE J-4, PARTIAL	EA	1/1/2013
0425 1451	INLETS, CURB, TYPE J-5, <10'	EA	1/1/2013
0425 1452	INLETS, CURB, TYPE J-5, >10'	EA	1/1/2013
0425 1455	INLETS, CURB, TYPE J-5, PARTIAL	EA	1/1/2013
0425 1459	INLETS, CURB, TYPE J-5, MODIFY	EA	1/1/2013
0425 1461	INLETS, CURB, TYPE J-6, <10'	EA	1/1/2013
0425 1462	INLETS, CURB, TYPE J-6, >10'	EA	1/1/2013
0425 1465	INLETS, CURB, TYPE J-6, PARTIAL	EA	1/1/2013
0425 1469	INLETS, CURB, TYPE J-6, MODIFY	EA	1/1/2013
0425 1471	INLETS, CURB, TYPE 7, <10'	EA	1/1/2013
0425 1472	INLETS, CURB, TYPE 7, >10'	EA	1/1/2013
0425 1473	INLETS, CURB, TYPE 7, J BOT , <10'	EA	1/1/2013
0425 1474	INLETS, CURB, TYPE 7, J BOT ,>10'	EA	1/1/2013
0425 1475	INLETS, CURB, TYPE 7, PARTIAL	EA	1/1/2013
0425 1479	INLETS, CURB, TYPE 7, MODIFY	EA	1/1/2013
0425 1481	INLETS, CURB, TYPE 8, <10'	EA	1/1/2013
0425 1483	INLETS, CURB, TYPE 8, J BOT , <10'	EA	1/1/2013
0425 1484	INLETS, CURB, TYPE 8, J BOT ,>10'	EA	1/1/2013
0425 1485	INLETS, CURB, TYPE 8, PARTIAL	EA	1/1/2013
0425 1489	INLETS, CURB, TYPE 8, MODIFY	EA	1/1/2013
0425 1501	INLETS, DT BOT, TYPE A, <10'	EA	1/1/2013
0425 1502	INLETS, DT BOT, TYPE A, >10'	EA	1/1/2013
0425 1503	INLETS, DT BOT, TYPE A, J BOT, <10'	EA	1/1/2013
0425 1504	INLETS, DT BOT, TYPE A, J BOT, >10'	EA	1/1/2013
0425 1505	INLETS, DT BOT, TYPE A, PARTIAL	EA	1/1/2013
0425 1511	INLETS, DT BOT, TYPE B, <10'	EA	1/1/2013
0425 1512	INLETS, DT BOT, TYPE B, >10'	EA	1/1/2013
0425 1513	INLETS, DT BOT, TYPE B, J BOT, <10'	EA	1/1/2013
0425 1514	INLETS, DT BOT, TYPE B, J BOT, >10'	EA	1/1/2013
0425 1515	INLETS, DT BOT, TYPE B, PARTIAL	EA	1/1/2013
0425 1519	INLETS, DT BOT, TYPE B, MODIFY	EA	1/1/2013
0425 1521	INLETS, DT BOT, TYPE C,<10'	EA	1/1/2013

0425 1522	INLETS, DT BOT, TYPE C,>10'	EA	1/1/2013
0425 1523	INLETS, DT BOT, TYPE C,JBOT, <10'	EA	1/1/2013
0425 1524	INLETS, DT BOT, TYPE C, JBOT, >10'	EA	1/1/2013
0425 1525	INLETS, DITCH BOTTOM, TYPE C, PARTIAL	EA	1/1/2013
0425 1529	INLETS, DT BOT, TYPE C, MODIFY	EA	1/1/2013
0425 1531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	EA	1/1/2013
0425 1532	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, >10'	EA	1/1/2013
0425 1533	INLETS, DITCH BOTTOM TYPE C MODIFIED- BACK OF SIDEWALK, J BOT, <10'	EA	1/1/2013
0425 1534	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, J BOT, >10'	EA	1/1/2013
0425 1535	INLETS, DITCH BOTTOM TYPE C MODIFIED- BACK OF SIDEWALK, PARTIAL	EA	1/1/2013
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	1/1/2013
0425 1542	INLETS, DT BOT, TYPE D, >10'	EA	1/1/2013
0425 1543	INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'	EA	1/1/2013
0425 1544	INLETS, DITCH BOTTOM, TYPE D, J BOT, >10'	EA	1/1/2013
0425 1545	INLETS, DITCH BOTTOM, TYPE D, PARTIAL	EA	1/1/2013
0425 1549	INLETS, DT BOT, TYPE D, MODIFY	EA	1/1/2013
0425 1551	INLETS, DT BOT, TYPE E, <10'	EA	1/1/2013
0425 1552	INLETS, DT BOT, TYPE E, >10'	EA	1/1/2013
0425 1553	INLETS, DT BOT, TYPE E, J BOT, <10'	EA	1/1/2013
0425 1554	INLETS, DT BOT, TYPE E, J BOT, >10'	EA	1/1/2013
0425 1555	INLETS, DT BOT, TYPE E, PARTIAL	EA	1/1/2013
0425 1559	INLETS, DT BOT, TYPE E, MODIFY	EA	1/1/2013
0425 1561	INLETS, DT BOT, TYPE F, <10'	EA	1/1/2013
0425 1562	INLETS, DT BOT, TYPE F, >10'	EA	1/1/2013
0425 1563	INLETS, DITCH BOTTOM, TYPE F, J BOT, <10'	EA	1/1/2013
0425 1564	INLETS, DITCH BOTTOM, TYPE F, J BOT, >10'	EA	1/1/2013
0425 1565	INLETS, DITCH BOTTOM, PARTIAL	EA	1/1/2013
0425 1569	INLETS, DITCH BOTTOM, TYPE F, MODIFY	EA	1/1/2013
0425 1571	INLETS, DITCH BOTTOM, TYPE G, <10'	EA	1/1/2013
0425 1572	INLETS, DITCH BOTTOM, TYPE G, >10'	EA	1/1/2013
0425 1573	INLETS, DITCH BOTTOM, TYPE G, J BOT, <10'	EA	1/1/2013
0425 1574	INLETS, DITCH BOTTOM, TYPE G, J BOT, >10'	EA	1/1/2013
0425 1575	INLETS, DITCH BOTTOM, TYPE G, PARTIAL	EA	1/1/2013
0425 1579	INLETS, DITCH BOTTOM, TYPE G, MODIFY	EA	1/1/2013
0425 1581	INLETS, DT BOT, TYPE H, <10'	EA	1/1/2013

0425 1582	INLETS, DT BOT, TYPE H, >10'	EA	1/1/2013
0425 1583	INLETS, DT BOT, TYPE H, J BOTTOM <10'	EA	1/1/2013
0425 1584	INLETS, DT BOT, TYPE H, J BOTTOM >10'	EA	1/1/2013
0425 1585	INLETS, DT BOT, TYPE H, PARTIAL	EA	1/1/2013
0425 1589	INLETS, DT BOT, TYPE H, MODIFY	EA	1/1/2013
0425 1601	INLETS, DT BOT, TYPE J, <10'	EA	1/1/2013
0425 1602	INLETS, DT BOT, TYPE J, >10'	EA	1/1/2013
0425 1603	INLETS, DT BOT, TYPE J, J BOT, <10'	EA	1/1/2013
0425 1604	INLETS, DT BOT, TYPE J, JBOT, >10'	EA	1/1/2013
0425 1605	INLETS, DT BOT, TYPE J, PARTIAL	EA	1/1/2013
0425 1609	INLETS, DT BOT, TYPE J, MODIFY	EA	1/1/2013
0425 1611	INLETS, DITCH BOTTOM, TYPE K, <10'	EA	1/1/2013
0425 1619	INLETS, DITCH BOTTOM, TYPE K, J BOTTOM, MODIFY	EA	1/1/2013
0425 1701	INLETS, GUTTER, TYPE S, <10'	EA	1/1/2013
0425 1702	INLETS, GUTTER, TYPE S, >10'	EA	1/1/2013
0425 1703	INLETS, GUTTER, TYPE S, J BOTTOM <10'	EA	1/1/2013
0425 1704	INLETS, GUTTER, TYPE S, J BOTTOM, >10'	EA	1/1/2013
0425 1705	INLETS, GUTTER, TYPE S, PARTIAL	EA	1/1/2013
0425 1711	INLETS, GUTTER, TYPE V, <10'	EA	1/1/2013
0425 1712	INLETS, GUTTER, TYPE V, >10'	EA	1/1/2013
0425 1713	INLETS, GUTTER, TYPE V, J BOT, <10'	EA	1/1/2013
0425 1714	INLETS, GUTTER, TYPE V, J BOTTOM, >10'	EA	1/1/2013
0425 1715	INLETS, GUTTER, TYPE V, PARTIAL	EA	1/1/2013
0425 1719	INLETS, GUTTER, TYPE V, MODIFY	EA	1/1/2013
0425 1801	INLETS, MEDIAN BARRIER, TYPE 1, <10'	EA	1/1/2013
0425 1802	INLETS, MEDIAN BARRIER, TYPE 1, >10'	EA	1/1/2013
0425 1803	INLETS, MEDIAN BARRIER, TYPE 1, J BOT, <10'	EA	1/1/2013
0425 1804	INLETS, MEDIAN BARRIER, TYPE 1, J BOT, >10'	EA	1/1/2013
0425 1805	INLETS, MEDIAN BARRIER, TYPE 1, PARTIAL	EA	1/1/2013
0425 1809	INLETS, MEDIAN BARRIER, TYPE 1, MODIFY	EA	1/1/2013
0425 1811	INLETS, MEDIAN BARRIER, TYPE 2, <10'	EA	1/1/2013
0425 1812	INLETS, MEDIAN BARRIER, TYPE 2, >10'	EA	1/1/2013
0425 1813	INLETS, MEDIAN BARRIER, TYPE 2, J BOT, <10'	EA	1/1/2013
0425 1814	INLETS, MEDIAN BARRIER, TYPE 2, J BOT, >10'	EA	1/1/2013
0425 1815	INLETS, MEDIAN BARRIER, TYPE 2, PARTIAL	EA	1/1/2013
0425 1841	INLETS, MEDIAN BARRIER, TYPE 3, <10'	EA	1/1/2013
0425 1842	INLETS, MEDIAN BARRIER, TYPE 3, >10'	EA	1/1/2013

0425 1843	INLETS, MEDIAN BARRIER, TYPE 3, J BOT, <10'	EA		1/1/2013	
0425 1844	INLETS, MEDIAN BARRIER, TYPE 3, J BOT, >10'	EA		1/1/2013	
0425 1845	INLETS, MEDIAN BARRIER, TYPE 3, PARTIAL	EA		1/1/2013	
0425 1851	INLETS, MEDIAN BARRIER, TYPE 4, <10'	EA		1/1/2013	
0425 1852	INLETS, MEDIAN BARRIER, TYPE 4, >10'	EA		1/1/2013	
0425 1853	INLETS, MEDIAN BARRIER, TYPE 4, J BOT, <10'	EA		1/1/2013	
0425 1854	INLETS, MEDIAN BARRIER, TYPE 4, J BOT, >10'	EA		1/1/2013	
0425 1855	INLETS, MEDIAN BARRIER, TYPE 4, PARTIAL	EA		1/1/2013	
0425 1859	INLETS, MEDIAN BARRIER TYPE 4, MODIFY	EA		1/1/2013	
0425 1861	INLETS, MEDIAN BARRIER TYPE 5, < 10'	EA		1/1/2013	
0425 1862	INLETS, MB, TYPE 5, >10'	EA		1/1/2013	
0425 1863	INLETS, MB, TYPE 5, J BOT, <10'	EA		1/1/2013	
0425 1864	INLETS, MB, TYPE 5, J BOT, >10'	EA		1/1/2013	
0425 1865	INLETS, MB, TYPE 5, PARTIAL	EA		1/1/2013	
0425 1869	INLETS, MB, TYPE 5, MODIFY	EA		1/1/2013	
0425 1881	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, <10'	EA		1/1/2013	
0425 1882	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, >10'	EA		1/1/2013	
0425 1883	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, J BOT<10'	EA		1/1/2013	
0425 1884	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, J BOT>10'	EA		1/1/2013	
0425 1885	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, PARTIAL	EA		1/1/2013	
0425 1889	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, MODIFY	EA		1/1/2013	
0425 1891	INLETS, BARRIER WALL, <10'	EA		1/1/2013	
0425 1892	INLETS, BARRIER WALL, >10'	EA		1/1/2013	
0425 1893	INLETS, BARRIER WALL, J BOT, <10'	EA		1/1/2013	
0425 1894	INLETS, BARRIER WALL, J BOT, >10'	EA		1/1/2013	
0425 1895	INLETS, BARRIER WALL, PARTIAL	EA		1/1/2013	
0425 1899	INLETS, BARRIER WALL, MODIFY	EA		1/1/2013	
0425 1901	INLETS, SPECIAL, <10'	EA	D	1/1/2013	12/31/2015
0425 1902	INLETS, SPECIAL, >10'	EA	D	1/1/2013	12/31/2015
0425 1903	INLETS, SPECIAL, J BOTTOM <10'	EA	D	1/1/2013	12/31/2015
0425 1904	INLETS, SPECIAL, J BOTTOM >10'	EA	D	1/1/2013	12/31/2015
0425 1905	INLETS, SPECIAL, PARTIAL	EA	D	1/1/2013	12/31/2015
0425 1909	INLETS, SPECIAL, MODIFY	EA	D	1/1/2013	12/31/2015
0425 1910	INLETS, CLOSED FLUME	EA		1/1/2013	

**425- 2-AAB MANHOLES**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

The designer should consider calling for a ring and cover where routine cleanout and inspection is anticipated, such as a French Drain.

Per Index 201, the height used to determine if a drainage structure is greater than 10 feet shall be computed using:

a) the elevation of the top of the manhole lid, b) the grate elevation or the theoretical gutter grade elevation of an inlet, or c) the outside top elevation of a junction box less the flow line elevation of the lowest pipe or to top of sump floor.

SPECIAL: No applicable design standard. For minor changes to P-type and J-type manholes, use the pay item for the applicable type, with plan details.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrd.dgn: Summary of Drainage Structures

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**                      Index No. 200, 201

**Specifications**                      Section 425

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0200                      Roadway

**Struct.**    **425- 2-AAB**                      **MANHOLES**                      **EA**

- AA =
- 4 (P-7)
- 6 (P-8)
- 7 (J-7)
- 9 (J-8)
- 10 (Special) valid through 6-30-2015
- 11 (Repair) B=0
- B =
- 1 ( ≤ 10')                      Refer to Index 201
- 2 ( > 10')                      " " " "
- 3 (Partial)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 2 41	MANHOLES, P-7, <10'	EA		1/1/2013	
0425 2 42	MANHOLES, P-7, >10'	EA		1/1/2013	
0425 2 43	MANHOLES, P-7, PARTIAL	EA		1/1/2013	
0425 2 61	MANHOLES, P-8, <10'	EA		1/1/2013	
0425 2 62	MANHOLES, P-8, >10'	EA		1/1/2013	
0425 2 63	MANHOLES, P-8, PARTIAL	EA		1/1/2013	
0425 2 71	MANHOLES, J-7, <10'	EA		1/1/2013	
0425 2 72	MANHOLES, J-7, >10'	EA		1/1/2013	
0425 2 73	MANHOLES, J-7, PARTIAL	EA		1/1/2013	
0425 2 91	MANHOLES, J-8, <10'	EA		1/1/2013	
0425 2 92	MANHOLES, J-8, >10'	EA		1/1/2013	
0425 2 93	MANHOLES, J-8, PARTIAL	EA		1/1/2013	
0425 2101	MANHOLES, SPECIAL, <10'	EA	T	1/1/2013	6/30/2015
0425 2102	MANHOLES, SPECIAL, >10'	EA	T	1/1/2013	6/30/2015
0425 2103	MANHOLES, SPECIAL, PARTIAL	EA	T	1/1/2013	6/30/2015
0425 2110	MANHOLES, REPAIR	EA	T	1/1/2013	

**425- 3-AAB      JUNCTION BOX (DRAINAGE)**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Refer to the specifications for requirements.

REPAIR: Detail repairs to be completed in the plans or specifications.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrd.dgn: Summary of Drainage Structures

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

Index No. 200, 201

**Specifications**

Section 425

**T: Selected Items may require Plan Details and/or Technical Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200

Roadway

**Struct.    425- 3-AAB                      JUNCTION BOX (DRAINAGE)                      EA**

- AA =
- 4 (P-7)
- 6 (J-7)
- 5 (Repair) B=0
- 8 (Special) valid through 6-30-2015
- 9 (Utility) valid through 12-31-2015
- 10 (Utility, Modify) valid through 12-31-2015
- 11 (Utility, Remove) valid through 12-31-2015
- B =
- 1 ( ≤ 10')    Refer to Index 201
- 2 ( > 10')    "    "    "

3 (Partial)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 3 41	JUNCTION BOX, DRAINAGE, P-7, <10'	EA		1/1/2013	
0425 3 42	JUNCTION BOXES, P-7, >10'	EA		1/1/2013	
0425 3 43	JUNCTION BOX, DRAINAGE, P-7, PARTIAL	EA		1/1/2013	
0425 3 50	JUNCTION BOX, DRAINAGE, REPAIR	EA	T	7/1/2020	
0425 3 61	JUNCTION BOXES, J-7, <10'	EA		1/1/2013	
0425 3 63	JUNCTION BOXES, DRAINAGE, J-7, PARTIAL	EA		1/1/2013	
0425 3 81	JUNCTION BOX, DRAINAGE, SPECIAL, < 10'	EA		1/1/2013	6/30/2015
0425 3 82	JUNCTION BOX, DRAINAGE, SPECIAL, > 10'	EA		1/1/2013	6/30/2015
0425 3 83	JUNCTION BOX, DRAINAGE, SPECIAL, PARTIAL	EA		1/1/2013	6/30/2015
0425 3 91	JUNCTION BOX, DRAINAGE, UTILITY, < 10'	EA		1/1/2013	
0425 3 92	JUNCTION BOX, DRAINAGE, UTILITY, > 10'	EA		1/1/2013	

**425- 4- ADJUSTING INLETS**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** Consists of changing the vertical placement of an existing inlet so that it will conform to the finished grade as designated in the plans.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**                      Index No. 200, 201, 210  
**Specifications**                      Section 425

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200    Roadway

**Struct.**    **425- 4-    ADJUSTING INLETS    EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 4	INLETS, ADJUST	EA		1/1/2013	

**425- 5- A      ADJUSTING MANHOLES**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Consists of changing the vertical placement of an existing manhole so that it will conform to the finished grade as designated in the plans.

Note: When lowering/raising manholes for milling, payment is per manhole. Do not double manhole quantity for each activity.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Utility Adjustments  
Summarize quantities by location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrr.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 200, 201  
**Specifications**      Section 425

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*    0200                      Roadway

**Struct.    425- 5- A                      ADJUSTING MANHOLES                      EA**

A =  
Blank (Standard)  
1 (Utilities)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 5	MANHOLE, ADJUST	EA		1/1/2013	
0425 5 1	MANHOLE, ADJUST, UTILITIES	EA		1/1/2013	

**425- 6- ADJUSTING VALVE BOXES**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Utility Adjustments  
Summarize quantities by location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**                      No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 425

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200    Roadway

**Struct.** 425- 6-    **ADJUSTING VALVE BOXES**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 6	VALVE BOXES, ADJUST	EA		1/1/2013	

**425- 7- REPLACE MANHOLE COVER**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

DO NOT USE FOR NEW MANHOLE INSTALLATIONS.  
Intended for use when existing manhole covers need to be replaced, with no additional work on the manhole.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

T

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct. 425- 7- REPLACE MANHOLE COVER EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 7	MANHOLE COVER- REPLACE	EA		1/1/2013	

**425- 8- ADJUST MISCELLANEOUS DRAINAGE STRUCTURE**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** Refer to related pay items for the vertical adjustment of inlets, manholes, valves, and junction boxes:  
425-4 Adjusting Inlets  
425-5 Adjusting Manholes  
425-6 Adjusting Valve Boxes

Plan details required.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 425

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200    Roadway

**Struct.** 425- 8-    **ADJUST MISCELLANEOUS DRAINAGE STRUCTURE**                      **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 8	DRAINAGE STRUCTURES, MISCELLANEOUS, ADJUST	EA		1/1/2013	

**425- 10- YARD DRAIN**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

For use outside of the R/W. Refer to Design Standard for details.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrd.dgn: Summary of Drainage Structures

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**            Index No. 282

**Specifications**    Section 425

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0200                      Roadway

**Struct.**    **425- 10-                      YARD DRAIN                      EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 10	YARD DRAIN	EA		1/1/2013	

**425- 11- DRAINAGE STRUCTURE- MODIFY EXISTING**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

This pay item is used for the modification of EXISTING drainage structures.

For vertical adjustment of drainage structures, refer to related pay items for inlets, manholes, valves, and junction boxes:

- 425-4 Adjusting Inlets
- 425-5 Adjusting Manholes
- 425-6 Adjusting Valve Boxes

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200                      Roadway

**Struct. 425- 11- DRAINAGE STRUCTURE- MODIFY EXISTING EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 11	DRAINAGE STRUCTURE MODIFY	EA	T	1/1/2013	

**425- 12- A      RETRACTABLE CURB INLET SCREEN**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**                      **MONITOR: State Drainage Office**

**Details**                      This is a developmental Item. It must be used with the developmental specification. Contact the monitor for additional information. Payment is made for each screen- normally 1 per inlet.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0200    Roadway

**Struct.**    **425- 12- A**    **RETRACTABLE CURB INLET SCREEN**    **EA**

A= Size  
1 (less than or equal to 5' wide)  
2 (greater than 5' wide)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 12 1	RETRACTABLE CURB INLET SCREEN <= 5' WIDE	EA	T	1/1/2013	
0425 12 2	RETRACTABLE CURB INLET SCREEN > 5' WIDE	EA	T	1/1/2013	

**425- 13- AA DRAINAGE STRUCTURE PIPE CONNECTION SCREEN**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**                      **MONITOR: State Drainage Office**

**Details**                      This is a developmental Item. It must be used with the developmental specification. Contact the monitor for additional information. Payment is made for each screen, based on pipe diameter.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
    **Trns-port**  
    **Other**  
    **Standards**  
    **Specifications**

**TRNS\*PORT Category (DRAFT FIELD):**    0200    Roadway

**Struct.**    **425- 13- AA**    **DRAINAGE STRUCTURE PIPE CONNECTION SCREEN**    **EA**

- AA= Pipe Diameter
- 12 (12")
- 15 (15")
- 18 (18")
- 24 (24")
- 30 (30")
- 36 (36")
- 42 (42")
- 48 (48")
- 54 (54")
- 60 (60")
- 66 (66")
- 72 (72")
- 78 (78")
- 84 (84")
- 90 (90")
- 96 (96")
- 99 (99" or greater) Note size in plans

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 13 12	DRAINAGE STRUCTURE PIPE CONNECTION SCREEN, 12" PIPE DIAMETER	EA	T	1/1/2013	
0425 13 15	DRAINAGE STRUCTURE PIPE CONNECTION SCREEN, 15" PIPE DIAMETER	EA	T	1/1/2013	
0425 13 18	DRAINAGE STRUCTURE PIPE CONNECTION SCREEN 18" PIPE DIAMETER	EA	T	1/1/2013	
0425 13 24	DRAINAGE STRUCTURE PIPE CONNECTION SCREEN, 24" PIPE DIAMETER	EA	T	1/1/2013	

---

**425- 15- AB INLET TOP- Maintenance Activities**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?**

**Notes**

**Details** Intended for maintenance use.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**TRNS\*PORT Category (DRAFT FIELD):**

**Struct.**    **425- 15- AB**                      **INLET TOP- Maintenance Activities**                      **EA**

A= Operation  
4 (Repair)  
5 (Replace)  
B= Type  
1 (Curb Inlet)  
2 (Ditch Bottom Inlet)  
other types, as requested

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 15 41	INLET TOP, REPAIR, CURB INLET	EA	T	7/1/2013	
0425 15 42	INLET TOP, REPAIR, DITCH BOTTOM INLET	EA	T	7/1/2013	
0425 15 51	INLET TOP, REPLACE, CURB INLET	EA	T	7/1/2013	
0425 15 52	INLET TOP, REPLACE, DITCH BOTTOM INLET	EA	T	7/1/2013	

**425- 71- INLETS RELOCATION**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items  
Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200    Roadway

**Struct.**    **425- 71-**    **INLETS RELOCATION**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 71	INLETS RELOCATING	EA	T	1/1/2013	

**425- 74- A      MANHOLES AND INLETS, CLEANING & SEALING**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**                      **Required**                      **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items  
Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200                      Roadway

**Struct.**    **425- 74- A**                      **MANHOLES AND INLETS, CLEANING & SEALING**                      **EA**

A =  
1 (≤10')  
2 (>10')

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 74 1	MANHOLES & INLETS CLEANING & SEALING, <10'	EA	T	1/1/2013	
0425 74 2	MANHOLES & INLETS CLEANING & SEALING, >10'	EA	T	1/1/2013	

**425- 78- INLET CAP, PRECAST (Replace)**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** Includes the work and materials for replacing an inlet cap. DO NOT use this item for new inlets, as the cap is included in the cost of new inlets.

**Related Items**                      **Required**                      **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**                      Index No. 200, 201, 280  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200                      Roadway

**Struct.**    **425- 78-**                      **INLET CAP, PRECAST (Replace)**                      **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 78	INLET CAP, PRECAST	EA	T	1/1/2013	

**425- 82- REPLACE GRATE**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** Spec or plan detail should indicate that payment includes "...new grates, and removing and stockpiling existing grates".

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** sumdrd.dgn: Summary of Drainage Structures  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200    Roadway

**Struct.**    **425- 82-    REPLACE GRATE    EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0425 82	REPLACE GRATE	EA		1/1/2013	

**425-Maint      MANHOLE  
Maintenance Contracts Only**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** ?

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**Details**      MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **425-Maint**      **MANHOLE**      **Mixed**  
**Maintenance Contracts Only**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
E425 73 1	CLEANING MANHOLES AND INLETS (MECHANICAL)	EA		1/1/2013	
E425 73 2	REPAIR LEAKS IN MANHOLES AND INLETS	EA		1/1/2013	
E425 73 3	FRAME AND GRATE (F&I)	EA		1/1/2013	
E425 73 4	RESET EXISTING FRAME AND GRATE	EA		1/1/2013	
E425 73 5	CLEANING MANHOLES AND INLETS (MANUAL)	EA		1/1/2013	
E425 73 6	SECURE MANHOLE / INLET LIDS	EA		1/1/2013	
E425 73 7	MANHOLE FRAME & COVER	EA		1/1/2013	
E425 73 8	MANHOLE COVER	EA		1/1/2013	

<b>430- 94- AA</b>	<b>DESILT PIPE</b>
<b>Unit</b>	LF; M1
<b>Accuracy</b>	Linear Foot; 1/10 Meter
<b>PlanQuantity?</b>	no
<b>Notes</b>	<b>Maintenance Item: Not for use with new pipe.</b>
<b>Details</b>	Includes furnishing equipment and labor necessary to desilt the pipe, and also includes disposing of all silt and debris removed during the desilting operation. Summarize on plans by pipe location, diameter (or equivalent round diameter), and length to be desilted.  NOTE: This is normally a maintenance item, but may be included for construction contracts, as needed. Include only the length(s) of pipe with existing silt. DO NOT include the entire length of all pipes. DO NOT INCLUDE LENGTHS FOR ANY NEW PIPE.
<b>Related Items</b>	<b>Required</b> <span style="float:right"><b>Recommended</b></span>
<b>Plan Summary Box</b>	Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items  Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.
<i>NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.</i>	
<b>Design Forms and Documentation</b>	dromrd: Drainage Optional Materials Tabulation Locate in plans. Summarize quantities by location on summary sheet in the plans.
<b>Construction Forms and Documentation</b>	No additional form required; use plans summary or comp book Record final quantity on the tabulation sheet (plans) or computation form (comp book).
<b>References</b>	<b>PPM Chapter</b> <b>Trns-port</b> <b>Other</b> <b>Standards</b> <b>Specifications</b>  <a href="http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks">http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks</a>

**TRNS\*PORT Category (DRAFT FIELD):** 0200 Roadway

**Struct. 430- 94- AA DESILT PIPE LF**

- AA= Pipe Diameter
- 1 (0 to 24")
- 2 (25-36")
- 3 (37-48")
- 4 (49-60")
- 5 (61" or greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430 94 1	DESILTING PIPE, 0 - 24"	LF		1/1/2013	
0430 94 2	DESILTING PIPE, 25 - 36"	LF		1/1/2013	
0430 94 3	DESILTING PIPE, 37 - 48"	LF		1/1/2013	
0430 94 4	DESILTING PIPE, 49 - 60"	LF		1/1/2013	
0430 94 5	DESILTING PIPE, 61" OR GREATER	LF		1/1/2013	

---

**430- 95- A      OUTFALL BARNACLE REMOVAL- Maintenance Use only**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** This pay item is intended for maintenance use.

**Related Items**      **Required**      **Recommended**

**Plan Summary** Maintenance Item- No Form Required  
**Box** NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**TRNS\*PORT Category (DRAFT FIELD):** 0200 or other      Roadway or other- see details

**Struct.**      **430- 95- A**      **OUTFALL BARNACLE REMOVAL- Maintenance Use only**      **LF**

- A= Size Range
- 1 (0-24")
- 2 (25-36")
- 3 (37-48")
- 4 (49-60")
- 5 (61" and greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430 95 1	OUTFALL BARNACLE REMOVAL, 0 - 24"	LF		7/1/2013	
0430 95 2	OUTFALL BARNACLE REMOVAL, 25 - 36"	LF		7/1/2013	
0430 95 3	OUTFALL BARNACLE REMOVAL, 37-48"	LF		7/1/2013	
0430 95 4	OUTFALL BARNACLE REMOVAL, 49-60"	LF		7/1/2013	
0430 95 5	OUTFALL BARNACLE REMOVAL, 61" AND GREATER	LF		7/1/2013	

**430-???- PENDING: DEWATERING FOR VIDEO INSPECTION For Maintenance Use Only**

**Unit Accuracy PlanQuantity?**

**Notes** **PENDING- DO NOT OPEN**  
**Effective \_\_\_\_\_, this item replaces E432-4-09.**

**Details** This pay item is intended for dewatering pipe prior to video inspection for maintenance work. DO NOT USE this pay item for installation/inspection of new pipe.

Payment per each dewatering activity is based on a complete pipe length to be video inspected, regardless of the number of entrances/exists to be temporarily blocked.

**Related Items** **Required Recommended**

**Plan Summary** Maintenance Item- No Form Required  
**Box** NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References** **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):* 0200 Roadway

**Struct. 430-???- PENDING: DEWATERING FOR VIDEO INSPECTION**  
**For Maintenance Use Only**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*



36 (36")  
42 (42")  
48 (48")  
54 (54")  
60 (60")  
66 (66")  
72 (72")  
78 (78")  
84 (84")  
90 (90")  
96 (96")  
99 (99" or greater) Note size in plans

### Notes

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430173112	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 12", GUTTER DRAIN	LF		1/1/2013	
0430173115	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 15", GUTTER DRAIN	LF		1/1/2013	
0430173118	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 18", GUTTER DRAIN	LF		1/1/2013	
0430173124	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 24", GUTTER DRAIN	LF		1/1/2013	
0430173130	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 30", GUTTER DRAIN	LF		1/1/2013	
0430173136	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 36", GUTTER DRAIN	LF		1/1/2013	
0430173142	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 42", GUTTER DRAIN	LF		1/1/2013	
0430173148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" GUTTER DRAIN	LF		1/1/2013	
0430173218	PIPE CULVERT OPTIONAL MATERIAL, OTHER/ELLIPTICAL, 18", GUTTER DRAIN	LF		1/1/2013	
0430174112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12"SD	LF		1/1/2013	
0430174115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	LF		1/1/2013	
0430174118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF		1/1/2013	
0430174124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF		1/1/2013	
0430174130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30"SD	LF		1/1/2013	
0430174136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36"SD	LF		1/1/2013	
0430174142	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 42"SD	LF		1/1/2013	

0430174148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48"SD	LF	1/1/2013
0430174154	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 54"SD	LF	1/1/2013
0430174160	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 60"SD	LF	1/1/2013
0430174172	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 72"SD	LF	1/1/2013
0430174215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 15"SD	LF	1/1/2013
0430174218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	1/1/2013
0430174224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24"SD	LF	1/1/2013
0430174230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30"SD	LF	1/1/2013
0430174236	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 36"SD	LF	1/1/2013
0430174242	PIPE CULVERT, OPTIONAL MATERIAL, ELLIP/OTHER, 42"SD	LF	1/1/2013
0430174248	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 48"SD	LF	1/1/2013
0430175112	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 12"S/CD	LF	1/1/2013
0430175115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	1/1/2013
0430175118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	1/1/2013
0430175124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	1/1/2013
0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	1/1/2013
0430175136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	1/1/2013
0430175140	PIPE CULVERT, OPT MATERIAL, ROUND, 40"S/CD	LF	1/1/2013
0430175142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	1/1/2013
0430175148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	1/1/2013
0430175154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF	1/1/2013
0430175160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	LF	1/1/2013
0430175166	PIPE CULVERT, OPT MATERIAL, ROUND, 66"S/CD	LF	1/1/2013
0430175172	PIPE CULVERT, OPT MATERIAL, ROUND, 72"S/CD	LF	1/1/2013

---

0430175178	PIPE CULVERT, OPT MATERIAL, ROUND, 78" STORM/CROSS DRAIN	LF	1/1/2013
0430175184	PIPE CULVERT, OPT MATERIAL, ROUND, 84"S/CD	LF	1/1/2013
0430175215	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 15"S/CD	LF	1/1/2013
0430175218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	1/1/2013
0430175224	PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE-ELIP/ARCH, 24"S/CD	LF	1/1/2013
0430175230	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30"S/CD	LF	1/1/2013
0430175236	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 36"S/CD	LF	1/1/2013
0430175242	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 42"S/CD	LF	1/1/2013
0430175248	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 48"S/CD	LF	1/1/2013
0430175254	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 54"S/CD	LF	1/1/2013
0430175260	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 60"S/CD	LF	1/1/2013
0430175266	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 66"S/CD	LF	1/1/2013
0430175272	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 72"S/CD	LF	1/1/2013
0430175299	PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE-ELIP/ARCH, 99" OR >, S/CD	LF	1/1/2013

---

**430-18A-BCC PIPE CULVERT OPTIONAL MATERIAL- JACK & BORE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

This item is intended for Optional pipe installed by Jack & Bore.

Show application, size, and material with class/gage/corrugation on the contract plans. Refer to Index 205 for valid sizes, class/gage/corrugation.

Refer to specification for measurement when optional pipe is installed with a casing, and when optional pipe is installed as a carrier (without a casing).

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

**Specifications** Section 430

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**

**Struct. 430-18A-BCC PIPE CULVERT OPTIONAL MATERIAL- JACK & BORE LF**

- A = Application
- 3 (Gutter Drain) GD
- 4 (Side Drain) SD
- 5 (Storm and Cross Drain)
- B = Shape
- 1 (Round Shape)
- CC = Standard Pipe Sizes
- 12 (12")
- 15 (15")
- 18 (18")
- 24 (24")
- 30 (30")

- 36 (36")
- 42 (42")
- 48 (48")
- 54 (54")
- 60 (60")
- 66 (66")
- 72 (72")
- 78 (78")
- 84 (84")
- 90 (90")
- 96 (96")
- 99 (99" or greater) Note size in plans

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430185118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 18" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 24" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185130	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 30" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185136	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 36" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185142	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 42" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185148	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 48" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185154	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 54" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185160	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 60" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185166	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 66" , STORM AND CROSS DRAIN	LF		7/1/2013	
0430185178	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 78" , STORM AND CROSS DRAIN	LF		7/1/2013	

**430-200-ABB FLARED END SECTION**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** Intended for use outside the clear zone on median drain and cross drain installations. Pipe sizes 12" and 15" (300 mm and 375 mm) are permitted within the clear zone. Specifically not intended for side drain installation.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** SBSDMES or SBSDMESFL: Summary of Side Drain & Mitered End Sections  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**                      Index No. 270  
**Specifications**                      Section 430

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200    Roadway

**Struct.**    **430-200-ABB**    **FLARED END SECTION**    **EA**

- A =
- Blank (Concrete)
- BB = Standard Pipe Sizes
- 21 (12")
- 23 (15")
- 25 (18")
- 27 (21")
- 29 (24")
- 31 (27")
- 33 (30")
- 34
- 38 (36")
- 40 (42")
- 41 (48")
- 42 (54")
- 43 (60")
- 44 (66")
- 45 (72")

---

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430200 21	FLARED END SECTION, CONCRETE, 12"	EA		1/1/2013	
0430200 23	FLARED END SECTION, CONCRETE, 15"	EA		1/1/2013	
0430200 25	FLARED END SECTION, CONCRETE, 18"	EA		1/1/2013	
0430200 29	FLARED END SECTION, CONCRETE, 24"	EA		1/1/2013	
0430200 33	FLARED END SECTION, CONCRETE, 30"	EA		1/1/2013	
0430200 38	FLARED END SECTION, CONCRETE, 36"	EA		1/1/2013	
0430200 40	FLARED END SECTION, CONCRETE, 42"	EA		1/1/2013	
0430200 41	FLARED END SECTION, CONCRETE, 48"	EA		1/1/2013	
0430200 42	FLARED END SECTION, CONCRETE, 54"	EA		1/1/2013	
0430200 43	FLARED END SECTION, CONCRETE, 60"	EA		1/1/2013	
0430200 44	FLARED END SECTION, CONCRETE, 66"	EA		1/1/2013	
0430200 45	FLARED END SECTION, CONCRETE, 72"	EA		1/1/2013	

---

430-6AB-CDD		U-ENDWALL	
	<b>Unit</b>	<b>EA</b>	<b>Accuracy</b> Each
			<b>PlanQuantity?</b> no
<b>Notes</b>			
<b>Details</b>	Refer to Standard Index 260 or 261 for proper selection. to be used only in the clear zone for the drainage of medians and other areas having low design velocities. Precasting or cast-in-place will be permitted. Cost of this item shall include concrete, reinforcing steel, grate and all accessories.		
	For items included on Index 250, payment will be made under concrete and steel items. Refer to Design Standards.		
<b>Related Items</b>	<b>Required</b>	<b>Recommended</b>	
<b>Plan Summary Box</b>	Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items		
	Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.		
<i>NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.</i>			
<b>Design Forms and Documentation</b>	SBSDMES or SBSDMESFL: Summary of Side Drain & Mitered End Sections		
	Locate in plans. Summarize quantities by location on summary sheet in the plans.		
<b>Construction Forms and Documentation</b>	No additional form required; use plans summary or comp book		
	Record final quantity on the tabulation sheet (plans) or computation form (comp book).		
<b>References</b>	<b>PPM Chapter</b>		
	<b>Trns-port</b>		
	<b>Other</b>		
	<b>Standards</b>	Index No. 260, 261	
	<b>Specifications</b>	Section 430	
	<a href="http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks">http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks</a>		
<b>TRNS*PORT Category (DRAFT FIELD):</b> 0200 Roadway			
<b>Struct.</b>	<b>430-6AB-CDD</b>	<b>U-ENDWALL</b>	<b>EA</b>
	A =Index No. 0 (Std 260) when A =0, BC =21 1 (Std 261)		
	B = Appurtenance 0 (none) 1 (baffles) 2 (grate) 3 (baffles and grate)		
	C = slope 0 (1:6) 1 (1:4) 2 (1:3) 3 (1:2)		
	DD = Standard Pipe Sizes		

23 (15")  
25 (18")  
29 (24")  
33 (30")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430600025	U-ENDWALL, STD 260, 1:6 SLOPE, 18"PIPE	EA		1/1/2013	
0430600125	U-ENDWALL, STD 260, 1:4 SLOPE, 18"PIPE	EA		1/1/2013	
0430602123	U-ENDWALL, WITH GRATE,STD INDEX 260, 1:4 SLOPE, 15"	EA		1/1/2013	
0430602125	U-ENDWALL, WITH GRATE,STD 260, 1:4 SLOPE, 18"	EA		1/1/2013	
0430602129	U-ENDWALL, WITH GRATE,STD 260, 1:4 SLOPE, 24"	EA		1/1/2013	
0430602133	U-ENDWALL, WITH GRATE,STD INDEX 260, 1:4 SLOPE, 30"	EA		1/1/2013	
0430610025	U-ENDWALL, STD 261, 1:6 SLOPE, 18"PIPE	EA		1/1/2013	
0430610029	U-ENDWALL, STD 261, 1:6 SLOPE, 24"PIPE	EA		1/1/2013	
0430610033	U-ENDWALL, STD 261, 1:6 SLOPE, 30"PIPE	EA		1/1/2013	
0430610123	U-ENDWALL, STD 261, 1:4 SLOPE, 15"PIPE	EA		1/1/2013	
0430610125	U-ENDWALL, STD 261, 1:4 SLOPE, 18"PIPE	EA		1/1/2013	
0430610129	U-ENDWALL, STD 261, 1:4 SLOPE, 24"PIPE	EA		1/1/2013	
0430610133	U-ENDWALL, STD 261, 1:4 SLOPE, 30"PIPE	EA		1/1/2013	
0430610223	U-ENDWALL, STD 261, 1:3 SLOPE, 15"PIPE	EA		1/1/2013	
0430610225	U-ENDWALL, STD 261, 1:3 SLOPE, 18"PIPE	EA		1/1/2013	
0430610229	U-ENDWALL, STD 261, 1:3 SLOPE, 24"PIPE	EA		1/1/2013	
0430610233	U-ENDWALL, STD 261, 1:3 SLOPE, 30"PIPE	EA		1/1/2013	
0430610323	U-ENDWALL, STD 261, 1:2 SLOPE, 15"PIPE	EA		1/1/2013	
0430610325	U-ENDWALL, STD 261, 1:2 SLOPE, 18"PIPE	EA		1/1/2013	
0430610329	U-ENDWALL, STD 261,1:2 SLOPE, 24"PIPE	EA		1/1/2013	
0430611025	U-ENDWALL, STD 261, BAFFLES, 1:6 SLOPE, 18"PIPE	EA		1/1/2013	
0430611029	U-ENDWALL, STD 261, BAFFLES, 1:6 SLOPE, 24"PIPE	EA		1/1/2013	
0430611033	U-ENDWALL, STD 261, BAFFLES, 1:6 SLOPE, 30"PIPE	EA		1/1/2013	
0430611123	U-ENDWALL WITH BAFFLES, STD 261, 1:4 SLOPE, 15"PIPE	EA		1/1/2013	
0430611125	U-ENDWALL WITH BAFFLES, STD 261, 1:4 SLOPE, 18"PIPE	EA		1/1/2013	
0430611129	U-ENDWALL WITH BAFFLES, STD 261, 1:4 SLOPE, 24"PIPE	EA		1/1/2013	

0430611133	U-ENDWALL WITH BAFFLES,STD 261,1:4 SLOPE,30"PIPE	EA	1/1/2013
0430611223	U-ENDWALL WITH BAFFLES, STD 261, 1:3 SLOPE, 15"PIPE	EA	1/1/2013
0430611225	U-ENDWALL WITH BAFFLES, STD 261, 1:3 SLOPE, 18"PIPE	EA	1/1/2013
0430611229	U-ENDWALL WITH BAFFLES, STD 261, 1:3 SLOPE, 24"PIPE	EA	1/1/2013
0430611233	U-ENDWALL, STD 261, BAFFLES, 1:3 SLOPE, 30"PIPE	EA	1/1/2013
0430611323	U-ENDWALL WITH BAFFLES, STD 261, 1:2 SLOPE, 15"PIPE	EA	1/1/2013
0430611325	U-ENDWALL WITH BAFFLES, STD 261, 1:2 SLOPE, 18"PIPE	EA	1/1/2013
0430611329	U-ENDWALL WITH BAFFLES, STD 261, 1:2 SLOPE, 24"PIPE	EA	1/1/2013
0430611333	U-ENDWALL, BAFFLES, STD 261, 1:2 SLOPE, 30"PIPE	EA	1/1/2013
0430612023	U-ENDWALL WITH GRATE, STD 261, 1:6 SLOPE, 18"	EA	1/1/2013
0430612025	U-ENDWALL WITH GRATE, STD 261, 1:6 SLOPE, 18"PIPE	EA	1/1/2013
0430612029	U-ENDWALL WITH GRATE, STD 261, 1:6 SLOPE, 24"PIPE	EA	1/1/2013
0430612033	U-ENDWALL WITH GRATE, STD 261, 1:6 SLOPE, 30"	EA	1/1/2013
0430612125	U-ENDWALL WITH GRATE, STD 261, 1:4 SLOPE, 18"PIPE	EA	1/1/2013
0430612129	U-ENDWALL WITH GRATE, STD 261, 1:4 SLOPE, 24"PIPE	EA	1/1/2013
0430612133	U-ENDWALL, GRATE, STD 261, 1:4 SLOPE, 30" PIPE	EA	1/1/2013
0430612329	U-ENDWALL WITH GRATE, STD 261, 1:2 SLOPE, 24"PIPE	EA	1/1/2013
0430612333	U-ENDWALL, GRATE, STD 261, 1:2 SLOPE, 30" PIPE	EA	1/1/2013
0430613025	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:6 SLOPE, 18"	EA	1/1/2013
0430613029	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:6 SLOPE, 24"PIPE	EA	1/1/2013
0430613033	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:6 SLOPE, 30"	EA	1/1/2013
0430613123	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:4 SLOPE,15"PIPE	EA	1/1/2013
0430613125	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:4 SLOPE,18"PIPE	EA	1/1/2013
0430613129	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:4 SLOPE, 24"PIPE	EA	1/1/2013

---

0430613133	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:4 SLOPE,30"PIPE	EA	1/1/2013
0430613225	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:3 SLOPE,18"PIPE	EA	1/1/2013
0430613233	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:3 SLOPE,30"PIPE	EA	1/1/2013
0430613325	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:2 SLOPE,18"PIPE	EA	1/1/2013
0430613333	U-ENDWALL, WITH BAFFLES & GRATE, STD 261,1:2 SLOPE,30"PIPE	EA	1/1/2013

---

**430-82A- BB CLEANING & SEALING EXISTING PIPE JOINT**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** yes

**Notes**

**Details**

For cleaning and sealing existing joints only.

Coordinate use of this item w/ State Drainage Office to evaluate the condition of the existing pipe. Replacement of the pipe (paid under optional pipe) should be considered.

Tech Specs should detail the work to be completed, the sealing materials, and any testing that may be required.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

dromrd: Drainage Optional Materials Tabulation

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200

Roadway

**Struct. 430-82A- BB CLEANING & SEALING EXISTING PIPE JOINT EA**

A =  
1 (Storm Sewer)  
2 (Cross Drain)

BB = Standard Pipe Sizes  
23 (15")  
25 (18")  
27 (21")

- 29 (24")
- 31 (27")
- 33 (30")
- 38 (36")
- 40 (42")
- 41 (48")
- 42 (54")
- 43 (60")
- 61 (61" and greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430821 23	CLEANING & SEALING EXISTING PIPE JOINT, 15" STORM SEWER	EA	T	1/1/2013	
0430821 25	CLEANING & SEALING EXISTING PIPE JOINT, 18" STORM SEWER	EA	T	1/1/2013	
0430821 29	CLEANING & SEALING EXISTING PIPE JOINT, 24" STORM SEWER	EA	T	1/1/2013	
0430821 33	CLEANING & SEALING EXISTING PIPE JOINT, 30" STORM SEWER	EA	T	1/1/2013	
0430821 38	CLEANING & SEALING EXISTING PIPE JOINT, 36" STORM SEWER	EA	T	1/1/2013	
0430821 40	CLEANING & SEALING EXISTING PIPE JOINT, 42", STORM SEWER	EA	T	1/1/2013	
0430821 41	CLEANING & SEALING EXISTING PIPE JOINT, 48", STORM SEWER	EA	T	1/1/2013	
0430821 42	CLEANING & SEALING EXISTING PIPE JOINT, 54", STORM SEWER	EA	T	1/1/2013	
0430821 43	CLEANING & SEALING EXISTING PIPE JOINT, 60", STORM SEWER	EA	T	1/1/2013	
0430821 61	CLEANING & SEALING EXISTING PIPE JOINT, >60", STORM SEWER	EA	T	1/1/2013	
0430822 15	CLEANING & SEALING EXISTING PIPE JOINT, 15" CD	EA	T	1/1/2013	
0430822 25	CLEANING & SEALING EXISTING PIPE JOINT, 18" CD	EA	T	1/1/2013	
0430822 29	CLEANING & SEALING EXISTING PIPE JOINT, 24" CD	EA	T	1/1/2013	
0430822 33	CLEANING & SEALING EXISTING PIPE JOINT, 30" CD	EA	T	1/1/2013	
0430822 38	CLEANING & SEALING EXISTING PIPE JOINT, 36" CD	EA	T	1/1/2013	
0430822 42	CLEANING & SEALING EXISTING PIPE JOINT, 54" CD	EA	T	1/1/2013	
0430822 43	CLEANING & SEALING EXISTING PIPE JOINT, 60" CD	EA	T	1/1/2013	

**430-830- PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?** no

**Notes**

**Details**

This pay item is used for filling/plugging existing drainage pipe, where called for in the plans. Per the specifications, "The cost of filling and plugging pipe shown in the plans as existing, to be placed out of service"

This pay item may also be used for filling/plugging drainage structures associated with placing drainage pipe out of service, when it is not practical to remove the drainage structure. Tabulate quantities in the plans.

Temporary Plugging: "The cost of plugging pipe, shown in the plans as proposed new pipe, will be included in the contract unit price for pipe culvert." (Do not use this pay item for temporarily plugging new pipe.)

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrd.dgn: Summary of Drainage Structures

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

Index No. 280

**Specifications**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200

Roadway

**Struct. 430-830- PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE CY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430830	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY		1/1/2013	

**430-860- A      STORM SEWER TRENCH**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

dromrd: Drainage Optional Materials Tabulation

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200      Roadway

**Struct.    430-860- A      STORM SEWER TRENCH      LF**

- A =
- 2 (2' Wide)
- 3 (3' Wide)
- 4 (4' Wide)
- 5 (5' Wide)
- 6 (6' Wide)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**430-880- AA      FLAP GATE**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Refer to Drainage Manual for additional information.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumdrd.dgn: Summary of Drainage Structures

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200                      Roadway

**Struct.      430-880- AA                      FLAP GATE                      EA**

- AA= Standard Pipe Sizes (effective 1/1/2007)
- 01 (0 to 24")
- 02 (25 to 36")
- 03 (37 to 48")
- 04 (49 to 60")
- 05 (61" or greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430880 01	FLAP GATES, 0-24"	EA	T	1/1/2013	
0430880 02	FLAP GATES, 25-36"	EA	T	1/1/2013	
0430880 03	FLAP GATES, 37-48"	EA	T	1/1/2013	
0430880 04	FLAP GATES, 49-60"	EA	T	1/1/2013	
0430880 05	FLAP GATES, 61" OR GREATER	EA	T	1/1/2013	

---

**430-950- DESILTING CONCRETE BOX CULVERT**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?** no

**Notes**

**Details** Payment is for the VOLUME OF SILT removed, based on the length and width of the box culvert, and the average DEPTH OF SILT to be removed.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** dromrd: Drainage Optional Materials Tabulation  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** 700-050-54: Daily Report or Truck-Measured Material Site Source Record (and Sketch)  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 430

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200      Roadway

**Struct.**    **430-950-**      **DESILTING CONCRETE BOX CULVERT**      **CY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430950	DESILTING CONCRETE BOX CULVERT	CY		1/1/2013	

**430-963- AA PVC PIPE FOR BACK OF SIDEWALK DRAINAGE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** For use according to Design Standard for back of sidewalk applications. Index calls for 4" PVC. Non-standard diameters must be shown with plan details and material requirements.

For all other applications, including gutter drain, use Optional Pipe.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** dromrd: Drainage Optional Materials Tabulation  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 282  
**Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0200      Roadway

**Struct.**      **430-963- AA**      **PVC PIPE FOR BACK OF SIDEWALK DRAINAGE**      **LF**

A= Size  
1 (4" diameter) Standard  
2 (Non-Standard diameter)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430963 1	PVC PIPE FOR BACK OF SIDEWALK, 4"	LF		1/1/2013	
0430963 2	PVC PIPE FOR BACK OF SIDEWALK, NON STANDARD DIAMETER	LF	T	1/1/2013	

**430-98A-BCC MITERED END SECTION**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Includes all pipe, grates (when required), fasteners, reinforcement, connectors, anchors, concrete, sealants, jackets, coupling bands, and all work required to install the mitered end section. Show shape and size on the contract plans. Refer to Index 273 for valid sizes. Use equivalent round pipe size for payment.

NOTE from Design Standard: Payment for each MES is based on each independent pipe end. (For example, on a double pipe cross drain , a quantity of 2 MES per end.)

Sodding is paid separately under Performance Turf- Sod, per SY.

**Related Items**

**Required**    **Recommended**

**Plan Summary Box**

Summary of Sidedrain & Mitered End Sections

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

SBSDMES or SBSDMESFL: Summary of Side Drain & Mitered End Sections  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 205, 272, 273  
**Specifications**      Section 430

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0200                      Roadway

**Struct.**      **430-98A-BCC**                      **MITERED END SECTION**                      **EA**

- A = Application
- 2 (Cross Drain)
- 4 (Side Drain)
- B = Shape
- 1 (Optional Round)
- 6 (Optional Other – Elliptical/Arch)
- CC = Standard Round or Equivalent Other Shape Pipe Sizes
- Standard Pipe Sizes
- 20 (8")
- 21 (12")
- 23 (15")
- 25 (18")
- 27 (21")
- 29 (24")

- 31 (27")
- 33 (30")
- 38 (36")
- 40 (42")
- 41 (48")
- 42 (54")
- 43 (60")
- 44 (66")
- 45 (72")
- 46 (78")
- 47 (84")
- 48 (90")
- 49 (96")
- 50 (102")
- 51 (108")
- 52 (120")
- 53 (132")
- 54 (144")
- 55 (156")
- 56 (168")
- 57 (180")

Refer to Standard Index 205

### Notes

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430982120	MITERED END SECTION, OPTIONAL ROUND, 8" CD	EA		1/1/2013	
0430982121	MITERED END SECTION, OPTIONAL ROUND, 12" CD	EA		1/1/2013	
0430982123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA		1/1/2013	
0430982125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA		1/1/2013	
0430982129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA		1/1/2013	
0430982133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA		1/1/2013	
0430982138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA		1/1/2013	
0430982140	MITERED END SECTION, OPTIONAL ROUND, 42" CD	EA		1/1/2013	
0430982141	MITERED END SECTION, OPTIONAL ROUND, 48" CD	EA		1/1/2013	
0430982142	MITERED END SECTION, OPTIONAL ROUND, 54" CD	EA		1/1/2013	
0430982143	MITERED END SECTION, OPTIONAL ROUND, 60" CD	EA		1/1/2013	
0430982144	MITERED END SECTION, OPTIONAL ROUND, 66" CD	EA		1/1/2013	

0430982145	MITERED END SECTION, OPTIONAL ROUND, 72" CD	EA	1/1/2013
0430982147	MITERED END SECTION, OPTIONAL ROUND, 84" CD	EA	1/1/2013
0430982623	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 15" CD	EA	1/1/2013
0430982625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	EA	1/1/2013
0430982629	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 24" CD	EA	1/1/2013
0430982633	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 30" CD	EA	1/1/2013
0430982638	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 36" CD	EA	1/1/2013
0430982640	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 42" CD	EA	1/1/2013
0430982641	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 48" CD	EA	1/1/2013
0430982642	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 54" CD	EA	1/1/2013
0430982643	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 60" CD	EA	1/1/2013
0430982645	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 72" CD	EA	1/1/2013
0430984120	MITERED END SECTION, OPTIONAL ROUND, 8" SD	EA	1/1/2013
0430984121	MITERED END SECTION, OPTIONAL ROUND, 12" SD	EA	1/1/2013
0430984123	MITERED END SECTION, OPTIONAL ROUND, 15" SD	EA	1/1/2013
0430984125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	1/1/2013
0430984129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	1/1/2013
0430984133	MITERED END SECTION , OPTIONAL ROUND, 30" SD	EA	1/1/2013
0430984138	MITERED END SECTION , OPTIONAL ROUND, 36" SIDE DRAIN	EA	1/1/2013
0430984140	MITERED END SECTION , OPTIONAL ROUND, 42" SD	EA	1/1/2013
0430984141	MITERED END SECTION , OPTIONAL ROUND, 48" SD	EA	1/1/2013
0430984142	MITERED END SECTION , OPTIONAL ROUND, 54" SD	EA	1/1/2013
0430984143	MITERED END SECTION , OPTIONAL ROUND, 60" SD	EA	1/1/2013
0430984144	MITERED END SECTION, OPTIONAL ROUND, 66" SIDE DRAIN	EA	1/1/2013

---

0430984147	MITERED END SECTION, OPTIONAL ROUND, 84" SD	EA	1/1/2013
0430984623	MITERED END SECTION, OPTIONAL OTHER - ELLIP/ARCH, 15" SD	EA	1/1/2013
0430984625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	1/1/2013
0430984629	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	1/1/2013
0430984633	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 30" SD	EA	1/1/2013
0430984638	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 36" SD	EA	1/1/2013
0430984640	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 42" SD	EA	1/1/2013
0430984641	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 48" SD	EA	1/1/2013
0430984642	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 54" SD	EA	1/1/2013
0430984643	MITERED END SECTION, OPTIONAL SHAPE /ELLIP/ARCH, 60" SIDE DRAIN	EA	1/1/2013
0430984644	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 66" SD	EA	1/1/2013
0430984645	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 72" SD	EA	1/1/2013

---

**430-990- MITERED END SECTION, REPLACE GRATE**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

For replacement of grate on an existing MES. DO NOT USE this item for a new MES, or slab replacement.

Installation should be in accordance with design standards, unless otherwise shown in the plans.

Payment is per MES, for replacement of complete set (all bars).

**Related Items**

**Required**    **Recommended**

**Plan Summary Box**

Summary of Sidedrain & Mitered End Sections

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

SBSDMES or SBSDMESFL: Summary of Side Drain & Mitered End Sections  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**                      Index No. 205, 272, 273  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0200    Roadway

**Struct.**    **430-990-**    **MITERED END SECTION, REPLACE GRATE**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430990	MITERED END SECT, REPLACE GRATE	EA		1/1/2013	

**430-991- A MITERED END SECTION, REPLACE SLAB**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** no

**Notes**

**Details**

This item is intended for the replacement of slabs for Mitered End Sections.

CONSTRUCTION CONTRACTS: Payment is made PER EACH. Plan Details should include all incidentals (including grate) for a complete installation, in accordance with current standards. DO NOT USE 430-990 item with this pay item for duplicate payment of grate.

If the existing pipe is not currently in good condition, the entire MES should be replaced using the appropriate 430-98A-BCC pay item.

MAINTENANCE CONTRACTS: Include all incidentals (including grate) for a complete installation, in accordance with current standards. Measurement and payment will be based on the CUBIC YARDS of concrete, as shown on the Design Standard Index. DO NOT USE 430-990 item with this pay item for duplicate payment of grate.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Sidedrain & Mitered End Sections

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

SBSDMES or SBSDMESFL: Summary of Side Drain & Mitered End Sections  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 205, 272, 273  
**Specifications**

**TRNS\*PORT Category (DRAFT FIELD):**      0200      Roadway

**Struct.**      **430-991- A**      **MITERED END SECTION, REPLACE SLAB**      **Mixed**

A= Operation  
blank (Replace Slab) EA used by construction; details in plans  
1 (Replace Slab) CY used by maintenance; sizes vary

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0430991	MITERED END SECT, REPLACE SLAB- MAINTENANCE USE ONLY	EA		1/1/2013	
0430991 1	MITERED END SECT, REPLACE SLAB	CY		1/1/2014	

---

**430-Maint DRAINAGE PIPE  
 Maintenance Contracts Only**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** ?

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**E430-82- items valid through 6-30-15; use 430-820- items.**

**Details**      MAINTENANCE CONTRACTS ONLY  
 Additional BOE details pending

PIPE REMOVAL (Pending): Per Section 430 of the specifications, when replacing pipe, pipe removal is included in the cost of the new pipe. If the pipe is NOT replaced (removed only), include the pipe removal under Clearing and Grubbing; document by location and length.

PIPE REMOVAL (Prior to 2016 lettings): Per Section 430 of the specifications, when replacing pipe, pipe removal is included in the cost of clearing and grubbing. Separate payment for pipe removal should only be used for removal operations where pipe will not be replaced.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Maintenance Item- No Form Required  
 NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
                          **Trns-port**  
                          **Other**  
                          **Standards**  
                          **Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**    **430-Maint**      **DRAINAGE PIPE**      **Mixed**  
    **Maintenance Contracts Only**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
E430 17 99	PIPE REMOVAL	LF		1/1/2013	
E430 82 11	CLEAN & SEAL EXISTING PIPE JOINT, 0-24" STORM SEWER	EA		1/1/2013	6/30/2015
E430 82 12	CLEAN & SEAL EXISTING PIPE JOINT, 25-36" STORM SEWER	EA		1/1/2013	6/30/2015
E430 82 13	CLEAN & SEAL EXISTING PIPE JOINT, 37-48" STORM SEWER	EA		1/1/2013	6/30/2015
E430 82 14	CLEAN & SEAL EXISTING PIPE JOINT, 49-60" STORM SEWER	EA		1/1/2013	6/30/2015
E430 82 15	CLEAN & SEAL EXISTING PIPE JOINT, 61" OR GREATER STORM SEWER	EA		1/1/2013	6/30/2015
E430949 13	DESILTING PIPE (UNDERDRAIN) (4")	LF		1/1/2013	
E430949 16	DESILTING PIPE (UNDERDRAIN) (6")	LF		1/1/2013	

---

**431- 1- A PIPE LINER, OPTIONAL MATERIAL**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

This item is used to rehabilitate an existing pipe by forming a lining on the host pipe's interior, thereby allowing a debilitated pipe to regain strength and performance capabilities. Box to Box liners are preferred.

Contact the State Drainage Office if sectional liners are considered (see item 908-431-A)

Design with manufacturer's lengths in mind for all practical applications. Refer to specifications for current industry practices.

Per Specifications, "The plans will indicate the location of the pipe to be rehabilitated, the material composition and the alternate liner types that may be used to rehabilitate the pipe, and the method of liner installation."

**Related Items**

**Required**      **Recommended** 121- 70, 430- 94-AA

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

dromrd: Drainage Optional Materials Tabulation

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**

**Specifications** Section 431

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200      Roadway

**Struct. 431- 1- A PIPE LINER, OPTIONAL MATERIAL LF**

- A= Size Range
- 1 (0-24")
- 2 (25-36")
- 3 (37-48")
- 4 (49-60")
- 5 (61" and greater)

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0431 1 1	PIPE LINER, OPTIONAL MATERIAL, 0-24"	LF	T	1/1/2013	
0431 1 2	PIPE LINER, OPTIONAL MATERIAL, 25-36"	LF	T	1/1/2013	
0431 1 3	PIPE LINER, OPTIONAL MATERIAL, 37-48"	LF	T	1/1/2013	
0431 1 4	PIPE LINER, OPTIONAL MATERIAL, 49 - 60"	LF	T	1/1/2013	
0431 1 5	PIPE LINER, OPTIONAL MATERIAL, 61" AND GREATER	LF	T	1/1/2013	

---

**432- 3- A CHEMICAL GROUT REPAIR - PIPE, NON-TEST**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200                      Roadway

**Struct.**    **432- 3- A**                      **CHEMICAL GROUT REPAIR - PIPE, NON-TEST**                      **EA**

- A =
- 1 (15")
- 2 (18")
- 3 (21")
- 4 (24")
- 5 (30")
- 6 (36")
- 7 (42")
- 8 (48")
- 9 (54")
- 10 (66")
- 11 (60")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0432 3 1	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 15"	EA	T	1/1/2013	
0432 3 2	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 18"	EA	T	1/1/2013	
0432 3 3	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 21"	EA	T	1/1/2013	
0432 3 4	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 24"	EA	T	1/1/2013	
0432 3 5	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 30"	EA	T	1/1/2013	
0432 3 6	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 36"	EA	T	1/1/2013	
0432 3 7	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 42"	EA	T	1/1/2013	
0432 3 8	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 48"	EA	T	1/1/2013	
0432 3 9	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 54"	EA	T	1/1/2013	
0432 3 10	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 66"	EA	T	1/1/2013	
0432 3 11	CHEMICAL GROUT REPAIR, PIPE, NON-TEST, 60"	EA	T	1/1/2013	

**432-Maint STORM SEWER INSPECTION  
Maintenance Contracts Only**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** ?

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**Details**      MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **432-Maint**      **STORM SEWER INSPECTION  
Maintenance Contracts Only**      **Mixed**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
E432 4	STORM SEWER INSPECTION (VIDEO CAMERA)	LF		1/1/2013	
E432 4 10	STORM SEWER INSPECTION (VIDEO CAMERA - PER JOINT)	EA		1/1/2013	

**433- 1- CHEMICAL GROUT REPAIR- MANHOLE/INLET**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200                      Roadway

**Struct. 433- 1- CHEMICAL GROUT REPAIR- MANHOLE/INLET EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0433 1	CHEMICAL GROUT REPAIR, MANHOLE / INLET	EA	T	1/1/2013	

**434- 1- UNDERGROUND EXFILTRATION STORAGE**

**Unit** CY; M3      **Accuracy** 1/10 Cubic Yard; 1/10 Cubic Meter      **PlanQuantity?**

**Notes**

**Details** Complete plan details required, including material requirements, installation, method of measurement (plan quantity, when possible), and basis of payment (CY)

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0200      Roadway

**Struct.**    **434- 1-      UNDERGROUND EXFILTRATION STORAGE      CY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0434 1	UNDERGROUND EXFILTRATION STORAGE	CY	D	1/1/2014	

**435- 1- AA      STRUCTURAL PLATE PIPE CULVERT**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**      Coordinate the use of this item with the State Drainage Office prior to requesting pay items.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      dromrd: Drainage Optional Materials Tabulation  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 435

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200      Roadway

**Struct.**      **435- 1- AA**      **STRUCTURAL PLATE PIPE CULVERT**      **LF**

AA= Blank for drainage applications  
99 (Animal Crossing)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0435 199	STRUCTURAL PLATE PIPE CULVERT ANIMAL CROSSING	LF	T	1/1/2013	

**436- 1- A TRENCH DRAIN**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Use in accordance with Index 206. Various alternatives are available on the standard.

Special should only be used if you have a significant design change. Plan Details and/or Tech Spec will be required.

Minor changes to the standard may be noted in the plans, and used with the "standard" pay item.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Underdrain

Summarize quantities by location. Columns may be added or deleted, as necessary.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

SBEEdgeDrains: Summary of Edge Drains

Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

Index No. 206

**Specifications**

Section 436

**T: Selected Items may require Plan Details and/or Technical Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200

Roadway

**Struct.**

**436- 1- A**

**TRENCH DRAIN**

**LF**

A = size

1 (Standard)

2 (Special) see details above

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0436 1 1	TRENCH DRAIN, STANDARD	LF		1/1/2013	

---

<b>436- 2-</b>	<b>TRENCH DRAIN CLEANING- Maintenance Use Only</b>	<b>Unit</b> LF; M1	<b>Accuracy</b> Linear Foot; 1/10 Meter	<b>PlanQuantity?</b>
----------------	--	--------------------	---	----------------------

**Notes**

**Details**

<b>Related Items</b>	<b>Required</b>	<b>Recommended</b>
----------------------	-----------------	--------------------

<b>Plan Summary Box</b>	Maintenance Item- No Form Required NA
-------------------------	--

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms  
and  
Documentation**

**Construction  
Forms and  
Documentation**

<b>References</b>	<b>PPM Chapter</b> <b>Trns-port</b> <b>Other</b> <b>Standards</b> <b>Specifications</b>
-------------------	---

*TRNS\*PORT Category (DRAFT FIELD):*

<b>Struct.</b>	<b>436- 2-</b>	<b>TRENCH DRAIN CLEANING- Maintenance Use Only</b>	<b>LF</b>
----------------	----------------	--	-----------

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0436 2	TRENCH DRAIN, CLEANING (MAINTENANCE USE ONLY)	LF	M	1/1/2015	

**438- ??? Buoyant Stormwater Flow Control Device**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** ?

**Notes**                      **PENDING PAY ITEM STRUCTURE. Specification is under development.**

**Details**

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**    **438- ???**    **Buoyant Stormwater Flow Control Device**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**440- 1- AA UNDERDRAIN**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** Item based on the size of the smooth interior product. Price per length shall include cost of pipe, fittings, aggregate, sock, filter fabric, cleanouts, and concrete aprons.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Underdrain  
Summarize quantities by location. Columns may be added or deleted, as necessary.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      SBUnderdrain: Summary Box: Underdrains  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 286  
**Specifications**      Section 440

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0200      Roadway

**Struct.**      **440- 1- AA**      **UNDERDRAIN**      **LF**

AA =  
10 (Type I)  
20 (Type II)  
30 (Type III)  
50 (Type V)  
60 (Type Special) valid through 12-31-13

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0440 1 10	UNDERDRAIN, TYPE I	LF		1/1/2013	
0440 1 20	UNDERDRAIN, TYPE II	LF		1/1/2013	
0440 1 30	UNDERDRAIN, TYPE III	LF		1/1/2013	
0440 1 50	UNDERDRAIN, TYPE V	LF		1/1/2013	

**440- 70- UNDERDRAIN INSPECTION BOX**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** Per Index 245, includes concrete apron.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Underdrain  
Summarize quantities by location. Columns may be added or deleted, as necessary.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** SBUnderdrain: Summary Box: Underdrains  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**                      Index No. 245, 286  
**Specifications**                      Section 440

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200    Roadway

**Struct.**    **440- 70-    UNDERDRAIN INSPECTION BOX    EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0440 70	UNDERDRAIN INSPECTION BOX	EA		1/1/2013	

**440- 73- A UNDERDRAIN OUTLET PIPE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** Use in accordance with Standard Index. Price per length includes trench excavation, pipe, fittings, concrete aprons, hardware cloth for concrete aprons, stubbing into drainage structures, backfill in place, and removal of excess materials.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Underdrain  
Summarize quantities by location. Columns may be added or deleted, as necessary.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      SBUnderdrain: Summary Box: Underdrains  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 286  
**Specifications**      Section 440

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0200      Roadway

**Struct.**      **440- 73- A**      **UNDERDRAIN OUTLET PIPE**      **LF**

A = Size  
1 ( 4")  
2 ( 6")  
3 ( 8")  
4 (10")  
5 (12") Note: 12" is non-standard; will require plan details and/or Tech Spec

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0440 73 1	UNDERDRAIN OUTLET PIPE, 4"	LF		1/1/2013	
0440 73 2	UNDERDRAIN OUTLET PIPE, 6"	LF		1/1/2013	
0440 73 3	UNDERDRAIN OUTLET PIPE, 8"	LF		1/1/2013	
0440 73 4	UNDERDRAIN OUTLET PIPE, 10"	LF		1/1/2013	
0440 73 5	UNDERDRAIN OUTLET PIPE, 12"	LF	T	1/1/2013	

**442- 70- VERTICAL DRAINAGE WICKS**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Geotechnical Items  
Summarize quantities by location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*    0200      Roadway

**Struct.**    **442- 70-      VERTICAL DRAINAGE WICKS      LF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0442 70	VERTICAL DRAINAGE WICKS	LF	T	1/1/2013	

**443- 70- AA FRENCH DRAIN**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

This item includes furnishing and placing pipe, pipe plugs, pipe fittings, coarse aggregate and filter fabric, and also includes trenching, backfilling, sheeting and, when necessary, pavement restoration.

When using elliptical pipe, payment will be according to the equivalent round size, as noted in the plans.

Note: French Drain greater than 36" should be approved by the District Drainage Engineer as stated in the Exfiltration Handbook.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of French Drain  
Summarize quantities by location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

SBEEdgeDrains: Summary of Edge Drains  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards** Index No. 285  
**Specifications** Section 443

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200      Roadway

**Struct. 443- 70- AA FRENCH DRAIN LF**

AA = Size. Additional sizes per index 285

- 3 (18")
- 4 (24")
- 5 (30")
- 6 (36")
- 7 (42")\*
- 8 (48")\*
- 9 (54")\*
- 10 (60")\*

\*Contact District Drainage prior to use of sizes greater than 36"

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0443 70 3	FRENCH DRAIN, 18"	LF		1/1/2013	
0443 70 4	FRENCH DRAIN, 24"	LF		1/1/2013	
0443 70 5	FRENCH DRAIN, 30"	LF		1/1/2013	
0443 70 6	FRENCH DRAIN, 36"	LF		1/1/2013	
0443 70 7	FRENCH DRAIN, 42"	LF	A	1/1/2013	
0443 70 8	FRENCH DRAIN, 48"	LF	A	1/1/2013	
0443 70 9	FRENCH DRAIN, 54"	LF	A	1/1/2013	
0443 70 10	FRENCH DRAIN, 60"	LF	A	1/1/2013	

---

**444- 70- AA DEEP WELL- OPEN HOLE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

This item is to be used in accordance with Index 288 for drainage applications.

For irrigation wells, see pay item 730-83.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards** Index No. 288

**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200 Roadway

**Struct. 444- 70- AA DEEP WELL- OPEN HOLE LF**

AA = Well Diameter  
11 (24")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0444 70 11	DEEP WELL- OPEN HOLE, 24"	LF	T	1/1/2013	

**444- 71- AA DEEP WELL CASING**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

This item is to be used in accordance with Index 288 for drainage applications.

For irrigation wells, see pay item 730-83.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards** Index No. 288

**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200 Roadway

**Struct. 444- 71- AA DEEP WELL CASING LF**

AA = Well Diameter  
11 (24")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0444 71 11	DEEP WELL CASING, 24"	LF	T	1/1/2013	

**444- 72- AA DEEP WELL CLEANING**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

This item is to be used in accordance with Index 288 for drainage applications.

For irrigation wells, see pay item 730-83.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards** Index No. 288

**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200 Roadway

**Struct. 444- 72- AA DEEP WELL CLEANING LF**

AA = Well Diameter  
10 (0-23")  
11 (24")  
12 (25" and greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0444 72 10	DEEP WELL CLEANING, 0-23"	LF	T	7/1/2013	
0444 72 11	DEEP WELL CLEANING, 24"	LF	T	1/1/2013	
0444 72 12	DEEP WELL CLEANING, 25" AND GREATER	LF	T	7/1/2013	

---

**444- 73- AA STEEL WELL GRATE**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?**

**Notes**

**Details** Detail work and materials in the contract documents.

**Related Items**                      **Required**                      **Recommended**

**Plan Summary Box** Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**TRNS\*PORT Category (DRAFT FIELD):**

**Struct.**    **444- 73- AA**                      **STEEL WELL GRATE**                      **EA**

AA= Size  
11 (0-23")  
12 (24" and greater)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0444 73 11	STEEL WELL GRATE, 0-23"	EA	T	7/1/2013	
0444 73 12	STEEL WELL GRATE, 24" AND GREATER	EA	T	7/1/2013	

**446- 1- A      EDGEDRAIN DRAINCRETE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** Price per length includes removal of existing shoulder pavement, trench excavation, disposal of excess materials, filter fabric, draincrete, edgedrain pipe and fittings. Refer to Design Standard for payment details, based on new/rehab construction.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Edgedrain  
Columns may be added or deleted, as necessary. Summarize quantities by location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** SBEdgeDrains: Summary of Edge Drains  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 286, 287  
**Specifications**      Section 446

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0200      Roadway

**Struct.      446- 1- A      EDGEDRAIN DRAINCRETE      LF**

A= pipe size  
1 (Standard) per Index 287 is 4"

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0446 1 1	EDGEDRAIN DRAINCRETE, STANDARD	LF		1/1/2013	

**446- 71- A      EDGEDRAIN OUTLET PIPE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** Includes removal of existing shoulder pavement, trench excavation, pipe and fitting, concrete apron, sod, stubbing into existing inlets and paved ditches, etc. Refer to Design Standard for details.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Edgedrain  
Columns may be added or deleted, as necessary. Summarize quantities by location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** SBEdgeDrains: Summary of Edge Drains  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 287  
**Specifications**      Section 446

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0200      Roadway

**Struct.**      **446- 71- A**      **EDGEDRAIN OUTLET PIPE**      **LF**

A= pipe size  
1 (4")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0446 71 1	EDGEDRAIN OUTLET PIPE, 4"	LF		1/1/2013	

**448- 73- PUMPING STATION- DRAINAGE**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** yes

**Notes**

**Details**

Intended for Drainage applications.  
For Utility or Rest Area Sewer applications, refer to 1000- series (Utilities) or 750- series (Architectural).

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Drainage Structures, Summary of Sidedrain, or Summary of Miscellaneous Drainage Items

Summarize quantities by location. Quantity column is for length/area/volume at each location; total quantity column is total for each pay item.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

sumqrd: Roadway Summary of Quantities Sheet  
Locate in plans. Summarize quantities by location on summary sheet in the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0200      Roadway

**Struct. 448- 73- PUMPING STATION- DRAINAGE LS/LS**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0448 73	PUMPING STATION- DRAINAGE	LS	T	1/1/2013	

**448-Maint PUMP STATION  
Maintenance Contracts Only**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** ?

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**Details**      MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**M: Maintenance Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **448-Maint**      **PUMP STATION**      **Mixed**  
**Maintenance Contracts Only**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
E448 3 1	PUMP STATION- EMERGENCY MAINTENANCE, MAJOR	EA		1/1/2015	
E448 3 2	PUMP STATION- EMERGENCY MAINTENANCE, MINOR	EA		1/1/2015	
E448 4 1	PUMP STATION- INSPECTION AND MAINTENANCE, MAJOR	EA		1/1/2015	
E448 4 2	PUMP STATION- INSPECTION AND MAINTENANCE, MINOR	EA		1/1/2015	
E448 5 1	PUMP STATION- MANUFACTURER'S CARE AND MAINTENANCE, MAJOR	EA		1/1/2015	

---

E448 5 2	PUMP STATION- MANUFACTURER'S CARE AND MAINTENANCE, MINOR	EA	1/1/2015
E448 6 1	PUMP STATION- PIT STATION CLEANING, MAJOR	EA	1/1/2015
E448 6 2	PUMP STATION- PIT STATION CLEANING, MINOR	EA	1/1/2015

---

<b>449-Maint</b>	<b>RAKING FOR FLOOD CONTROL Maintenance Contracts Only</b>		
------------------	--	--	--

<b>Unit</b>	Mixed	<b>Accuracy</b>	Refer to item structure and details	<b>PlanQuantity?</b>	?
-------------	-------	-----------------	-------------------------------------	----------------------	---

**Notes**                    **Maintenance Item: Not Valid for Construction Contracts**

**Details**                    MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

<b>Related Items</b>	<b>Required</b>	<b>Recommended</b>
----------------------	-----------------	--------------------

<b>Plan Summary Box</b>	Maintenance Item- No Form Required NA
-------------------------	--

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

<b>References</b>	PPM Chapter Trns-port Other Standards Specifications
-------------------	--

**M: Maintenance Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

<b>Struct.</b>	<b>449-Maint</b>	<b>RAKING FOR FLOOD CONTROL Maintenance Contracts Only</b>	<b>Mixed</b>
----------------	------------------	--	--------------

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**450- 1-AAA PRESTRESSED BEAMS**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for prestressed beams for bridge construction. Summarize quantities by location per span. AAA= 201, 202, 203 are typically used for bridge widening projects. These are non-standard and will require project specific design. Designers must work with the District and/or State Structures Office when using these items. AAA=278, 378 are typically used for post-tensioned beams. These are non-standard and will require project specific design. Designers must work with the District and/or State Structures Office when using these items.

Non-Standard beam types: Coordinate standards (as applicable / if available), with details shown in the plans.

Florida-I Beams: See pay item 450- 2-. Pay items will be effective with implementation of Design Standards. For earlier implementation, contact the State Structures Design Office. Full design details will be required in the plans.

Other beam types: Pay Items for other beam types may be expanded upon request. Minor "non-standard" changes may be paid under the applicable beam type, with applicable details in the plans or specifications.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

Index No. 20110 series: 20110, 20120, 20130, 20140, 20150, 20160, 20172, 20178, 20199, 20310, 20320.

**Specifications**

Section 450

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.** 450- 1-AAA

**PRESTRESSED BEAMS**

**LF**

AAA = Type

- 1 (Type II)
- 2 (Type III)
- 3 (Type IV)
- 4 (Type V)
- 5 (Type VI)
- 7 (Special) see pay item details
- 54 (Bulb T, 54") \*non-standard
- 63 (Bulb T, 63") \*non-standard
- 72 (Bulb T, 72")
- 78 (Bulb T, 78")
- 118 (Florida Double Tee, Fdt18) \*non-standard
- 124 (Florida Double Tee, Fdt24) \*non-standard
- 130 (Florida Double Tee, Fdt30) \*non-standard
- 201 (Type II Modified) \*non-standard
- 202 (Type III Modified) \*non-standard
- 203 (Type IV Modified) \*non-standard
- 250 (Inverted T, 20")
- 251 (Inverted T from FIB, 26.5")
- 278 (Bulb T, 78", Modified, w/post tensioning) \*non-standard
- 378 (Bulb T, 78", Haunched, Modified, w/post tensioning) \*non-standard

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 1 1	PRESTRESSED BEAMS, TYPE II	LF		1/1/2013	
0450 1 2	PRESTRESSED BEAMS, TYPE III	LF		1/1/2013	
0450 1 3	PRESTRESSED BEAMS, TYPE IV	LF		1/1/2013	
0450 1 4	PRESTRESSED BEAMS, TYPE V	LF		1/1/2013	
0450 1 5	PRESTRESSED BEAMS, TYPE VI	LF		1/1/2013	
0450 1 7	PRESTRESSED BEAMS, SPECIAL TYPE	LF	T	1/1/2013	
0450 1 72	PRESTRESSED BEAMS, BULB T - 72"	LF		1/1/2013	
0450 1 78	PRESTRESSED BEAMS, BULB T - 78"	LF		1/1/2013	
0450 1118	PRESTRESSED BEAMS, FLORIDA DOUBLT TEE, FDT18	LF	D	1/1/2013	
0450 1201	PREST BEAMS, TYPE II, MODIFIED	LF		1/1/2013	
0450 1202	PREST BEAMS, TYPE III, MODIFIED	LF		1/1/2013	
0450 1203	PRESTRESSED BEAMS, TYPE IV MODIFIED	LF		1/1/2013	
0450 1250	PRESTRESSED BEAMS, INVERTED T 20"	LF		1/1/2013	
0450 1251	PRESTRESSED BEAMS, INVERTED T MODIFIED FROM FIB, 26.5"	LF		1/1/2013	



45 (45")  
54 (54")  
63 (63")  
72 (72")  
78 (78")  
84 (84")

178 (78" Modified, with Post Tensioning)

Fiber Reinforced Polymer- DEVELOPMENTAL SPECS REQUIRED

236 (36" w/FRP Strand and Reinforcing)  
245 (45" w/FRP Strand and Reinforcing)  
254 (54" w/FRP Strand and Reinforcing)  
263 (63" w/FRP Strand and Reinforcing)  
272 (72" w/FRP Strand and Reinforcing)  
278 (78" w/FRP Strand and Reinforcing)  
284 (84" w/FRP Strand and Reinforcing)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 2 36	PREST BEAMS: FLORIDA-I BEAM 36"	LF		1/1/2013	
0450 2 45	PREST BEAMS: FLORIDA-I BEAM 45"	LF		1/1/2013	
0450 2 54	PREST BEAMS: FLORIDA-I BEAM 54"	LF		1/1/2013	
0450 2 63	PREST BEAMS: FLORIDA-I BEAM 63"	LF		1/1/2013	
0450 2 72	PREST BEAMS: FLORIDA-I BEAM 72"	LF		1/1/2013	
0450 2 78	PREST BEAMS: FLORIDA-I BEAM 78"	LF		1/1/2013	
0450 2 84	PREST BEAMS: FLORIDA-I BEAM 84"	LF		1/1/2013	
0450 2 96	PREST BEAMS: FLORIDA-I BEAM 96"	LF		1/1/2013	
0450 2178	PREST BEAMS: FLORIDA-I BEAM 78" MODIFIED, WITH POST TENSIONING	LF	D	1/1/2013	

**450- 3- PRESTRESSED SLAB UNITS- INSTALL**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** no

**Notes**

**Details**

This item is intended for use with Prestressed Slab Units, where the beams are furnished by the Department. The construction contractor will transport and install the beams. Technical Special Provisions are required to detail all work and materials required, including handling instructions.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 450- 3- PRESTRESSED SLAB UNITS- INSTALL LS/LS**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**450- 3- AB      PRESTRESSED SLAB UNITS**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for non-post-tensioned prestressed bridge deck panels spanning longitudinally w/ concrete wearing surface.

For precast deck panels spanning transversely across beam lines, see Section 404 items.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

SDG 4.4, Normally requires SHOP DRAWINGS

**Standards**

Index 20350 series: 20350, 20353, 20354, 20355, 20363, 20364, 20365, 20399

Effective July 2012 lettings: Refer to Developmental Design Standards.

**Specifications** Section 450

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.    450- 3- AB      PRESTRESSED SLAB UNITS      LF**

A = Width

1 (48")

2 (60")

3 (96")

4 (72")

5 (36") valid through 12/2008

6 (54")

7 (57")

9 (Variable 30-47") Per design standard index, B=1 or 5 only

B = Thickness  
1 (12")  
2 (16")  
3 (10")  
4 (18")  
5 (15")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 3 11	PRESTRESSED SLAB UNITS, WIDTH 48", THICKNESS 12"	LF		1/1/2013	
0450 3 14	PRESTRESSED SLAB UNITS, WIDTH 48", THICKNESS 18"	LF		1/1/2013	
0450 3 15	PRESTRESSED SLAB UNITS, WIDTH 48", THICKNESS 15"	LF		1/1/2013	
0450 3 21	PRESTRESSED SLAB UNITS, WIDTH 60", THICKNESS 12"	LF		1/1/2013	
0450 3 22	PRESTRESSED SLAB UNITS, WIDTH 60", THICKNESS 16"	LF		1/1/2013	
0450 3 24	PRESTRESSED SLAB UNITS, WIDTH 60", THICKNESS 18"	LF		1/1/2013	
0450 3 25	PRESTRESSED SLAB UNITS, WIDTH 60", THICKNESS 15"	LF		1/1/2013	
0450 3 41	PRESTRESSED SLAB UNITS, WIDTH 72", THICKNESS 12"	LF		1/1/2013	
0450 3 62	PRESTRESSED SLAB UNITS, WIDTH 54", THICKNESS 16"	LF		1/1/2013	
0450 3 72	PRESTRESSED SLAB UNITS, WIDTH 57", THICKNESS 16"	LF		1/1/2013	
0450 3 91	PRESTRESSED SLAB UNITS, VARIABLE WIDTH 30-47", THICKNESS 12"	LF		1/1/2013	
0450 3 95	PRESTRESSED SLAB UNITS, VARIABLE WIDTH 30-47", THICKNESS 15"	LF		1/1/2013	

**450- 4-AAA      PRESTRESSED BEAM (FLORIDA U-BEAM)**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for prestressed Florida U-beams for bridge construction, as shown in the design standards.

Summarize quantities by location per span.

Per IDS for Index 20502, Cost of beveled and embedded bearing plates is incidental to the cost of the prestressed beams they are used with. No separate payment is made.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

Index No. 20210 series: 20210, 20284, 20254, 20263, 20272, 20299  
Beveled Bearing Plate for use with prestressed Florida U-Beams: 20502

**Specifications**

Section 450

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.    450- 4-AAA      PRESTRESSED BEAM (FLORIDA U-BEAM)      LF**

AAA =  
1 ( 48")  
2 ( 54")  
3 ( 63")  
4 ( 72")

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 4 1	PRESTRESSED BEAM- FL U-BEAM, 48"	LF		1/1/2013	
0450 4 2	PRESTRESSED BEAM- FL U-BEAM, 54"	LF		1/1/2013	
0450 4 3	PRESTRESSED BEAM- FL U-BEAM, 63"	LF		1/1/2013	
0450 4 4	PRESTRESSED BEAM- FL U-BEAM,72"	LF		1/1/2013	

---

**450- 5- PRESTRESSED PAVEMENT**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?** no

**Notes**

**MONITOR:**

**Details**

Coordinate the use of this item with the State Structures Design Office

This item was opened for a test section, monitored by District 5 and the State Structures Design Office. DO NOT USE THIS ITEM WITHOUT COORDINATING WITH THE STATE STRUCTURES DESIGN OFFICE.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0200      Roadway

**Struct. 450- 5- PRESTRESSED PAVEMENT SY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 5	PRESTRESSED PAVEMENT	SY		1/1/2013	

**450- 6- PRESTRESSED SLAB BEAMS- INSTALL ONLY**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** yes

**Notes**      **Monitor: Tom Andres**

**Details**      Contact the State Structures Design Office prior to using this item.

Similar to 450-3, this item is intended for the installation only of prestressed slab beams, provided by the Department.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
                          **Trns-port**  
                          **Other**  
                          **Standards**  
                          **Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0100      Structures

**Struct.**    **450- 6-      PRESTRESSED SLAB BEAMS- INSTALL ONLY      LS/LS**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**450- 6- AB      PRESTRESSED SLAB BEAMS**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**      **Monitor: Tom Andres**

**Details**      Contact State Structures Design Office prior to using this item.

Similar to precast slab units, pay item 450-3- AB. Intended for non-post-tensioned prestressed bridge deck panels spanning longitudinally w/ CIP concrete topping.

For precast deck panels spanning transversely across beam lines, see Section 404 items.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      SDG 4.4, Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**      Section 450

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **450- 6- AB**      **PRESTRESSED SLAB BEAMS**      **LF**

- A = Width
- 1 (48")
- 2 (60")
- 3 (96")
- 4 (72")
- 5 (36") valid through 12/2008
- 6 (54")
- 7 (57")
- 9 (Variable 30-47") Per design standard index, B=1 or 5 only
- B = Thickness

- 1 (12")
- 2 (16")
- 3 (10")
- 4 (18")
- 5 (15")

**Notes**

.....  
*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 6 14	PRESTRESSED SLAB BEAMS, WIDTH 48", THICKNESS 18"	LF		1/1/2014	
0450 6 15	PRESTRESSED SLAB BEAMS, WIDTH 48", THICKNESS 15"	LF		1/1/2014	
0450 6 25	PRESTRESSED SLAB BEAMS, WIDTH 60", THICKNESS 15"	LF		1/1/2014	

**450- 82- BEAM REPAIR**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for rehabilitation projects to strengthen or repair existing concrete beams. Show locations in plans. Ensure that Tech Specs address the method of measurement and basis of payment (LF) of beam repair, to include all work and materials. See also items 450-82-A (Maintenance Contracts) and 450-83.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

Normally requires SHOP DRAWINGS

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 450- 82- BEAM REPAIR LF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**450- 82- A BEAM REPAIR- GUNITE**  
**Maintenance Contracts only**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes** **Maintenance Item: Not Valid for Construction Contracts**

**Details** MAINTENANCE CONTRACTS ONLY  
Pay item description includes "Gunitite". Verify material requirements in the specifications.  
Additional BOE details pending. Additional pay items/materials available upon request.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**      **450- 82- A**      **BEAM REPAIR- GUNITE**      **LF**  
**Maintenance Contracts only**

- A= Location
- 1 (Over Land and ≤ 20' bridge height)
- 2 (Over Land and > 20' bridge height)
- 3 (Over water and ≤ 20' bridge height)
- 4 (Over water and > 20' bridge height)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 82	BEAM REPAIR	LF	T	1/1/2013	
0450 82	BEAM REPAIR	LF	T	1/1/2013	
0450 82 1	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND <= 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 1	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND <= 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 2	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND > 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 2	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER LAND AND > 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 3	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND <= 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 3	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND <= 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 4	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND > 20' BRIDGE HEIGHT	LF	T	1/1/2013	
0450 82 4	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, GUNITE, OVER WATER AND > 20' BRIDGE HEIGHT	LF	T	1/1/2013	

**450- 83- A BEAM REPAIR- SPLICES**

**Unit** EA **Accuracy** Each **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation projects to strengthen or repair existing concrete beams. Show locations in plans. Include pay item note to clarify payment for various work items. See also item 450-82.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 450- 83- A BEAM REPAIR- SPLICES EA**

A =  
1 (Strand Splices)  
2 (Bar Splices)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 83 1	BEAM REPAIR, STRAND SPLICES	EA	T	1/1/2013	
0450 83 2	BEAM REPAIR, BAR SPLICES	EA	T	1/1/2013	

**450- 83- AB BEAM REPAIR- SPLICES- Maintenance Contracts Only**

**Unit** EA **Accuracy** Each **PlanQuantity?** no

**Notes** **Maintenance Item: Not Valid for Construction Contracts**

**Details** MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

**Related Items** **Required** **Recommended**

**Plan Summary Box** Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References** **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct.** 450- 83- AB **BEAM REPAIR- SPLICES- Maintenance Contracts Only** **EA**

- A =
- 1 (Strand Splices)
- 2 (Bar Splices)
- B= Location
- 1 (Over Land and < or = 20' bridge height)
- 2 (Over Land and > 20' bridge height)
- 3 (Over water and < or = 20' bridge height)
- 4 (Over water and > 20' bridge height)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 83 11	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, STRAND SPLICES, OVER LAND AND <= 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 12	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, STRAND SPLICES, OVER LAND AND > 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 13	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, STRAND SPLICES, OVER WATER AND <= 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 14	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, STRAND SPLICES, OVER WATER AND > 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 21	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, BAR SPLICES, OVER LAND AND <= 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 22	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, BAR SPLICES, OVER LAND AND > 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 23	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, BAR SPLICES, OVER WATER AND <= 20' BRIDGE HEIGHT	EA	T	1/1/2013	
0450 83 24	BEAM REPAIR- MAINTENANCE CONTRACTS ONLY, BAR SPLICES, OVER WATER AND > 20' BRIDGE HEIGHT	EA	T	1/1/2013	

**450- 88- AA      PRESTRESSED SLAB UNITS TRANSVERSELY POST TENSIONED**

**Unit** SF; M2      **Accuracy** Square Foot; 1/10 Square Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for post-tensioned prestressed bridge deck panels w/ concrete or asphalt wearing surface.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**      SDG 4.4, Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**      Section 450

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **450- 88- AA**      **PRESTRESSED SLAB UNITS TRANSVERSELY POST TENSIONED**      **SF**

- AA =
- 12 (12")
- 14 (14")
- 15 (15")
- 16 (16")
- 18 (18")
- 19 (19")
- 20 (20")
- 21 (21")
- 24 (24")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0450 88 15	PRESTRESSED SLAB UNITS TRANSVERSELY POST TENSIONED, 15"	SF	T	1/1/2013	
0450 88 18	PRESTRESSED SLAB UNITS TRANSVERSELY POST TENSIONED, 18"	SF	T	1/1/2013	
0450 88 20	PRESTRESSED SLAB UNITS TRANSVERSELY POST TENSIONED, 20"	SF	T	1/1/2013	

---

**451- 70- AA      PRESTRESSED SOIL ANCHOR**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

For permanent applications only. Do not pay for separately when prestressed soil anchors are part of a temporary steel sheet pile wall system. Intended for payment of prestressed soil anchor, proof and creep test. See specification 451-12. Show anchor spacing and force/anchor.  
Show locations in plans w/ quantity block.

**Related Items**

**Required**    **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 451

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200                      Structures or Roadway

**Struct.      451- 70- AA                      PRESTRESSED SOIL ANCHOR                      EA**

AA =  
Blank (F&I, With Standard Tests)  
1 (Performance Test)  
2 (Creep Test)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0451 70	PREST SOIL ANCHORS	EA		1/1/2013	
0451 70 1	PRESTRESSED SOIL ANCHOR, PERFORMANCE TEST	EA		1/1/2013	
0451 70 2	PRESTRESSED SOIL ANCHOR, CREEP TEST	EA		1/1/2013	

**452- 70- PRECAST SEGMENT PRODUCTION**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** yes

**Notes**

**Details**

Intended to cover for segmental casting yard set-up costs. Required on all Precast Segmental Bridge Projects.

Refer to the specifications for payment schedule. Partial payments are made for purchasing casting forms, producing the first operable form and approved segment, and producing succeeding segments.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities

Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

**Specifications** Section 452

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.** 452- 70-

**PRECAST SEGMENT PRODUCTION**

**LS/LS**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0452 70	PRECAST SEGMENT PRODUCTION	LS		1/1/2013	

455- 2- A TREATED TIMBER PILING			
<b>Unit</b>	LF; M1		
<b>Accuracy</b>	Linear Foot; 1/10 Meter		
<b>PlanQuantity?</b>	no		
<b>Notes</b>	<b>For use only on piles that need to meet 455 requirements. For other applications, contact the State Structures Design Office or Basis of Estimates Coordinator.</b>		
<b>Details</b>	<p>Designer must verify material requirements with State Materials Lab prior to requesting item.</p> <p>Intended for temporary detour bridge applications, or special use structures requiring 455 specifications.</p> <p>Summarize quantities by location per bent. The quantity to be paid for shall be the length, in feet (meters), of piling actually remaining in the completed structure below the elevation of cut-off shown in the plans or designated by the Engineer.</p> <p>For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.</p>		
<b>Related Items</b>	<table border="0"> <tr> <td><b>Required</b></td> <td><b>Recommended</b></td> </tr> </table>	<b>Required</b>	<b>Recommended</b>
<b>Required</b>	<b>Recommended</b>		
<b>Plan Summary Box</b>	Summary of Structures Quantities, Bridge xxxxxx		
<i>NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.</i>			
<b>Design Forms and Documentation</b>	<p>COMP 700-050-08: Piling Tabulation and Cont.</p> <p>Locate in the plans. Summarize quantities by location in the computation book.</p>		
<b>Construction Forms and Documentation</b>	<p>No additional form required; use plans summary or comp book</p> <p>Record final quantity on the tabulation sheet (plans) or computation form (comp book).</p>		
<b>References</b>	<p><b>PPM Chapter</b></p> <p><b>Trns-port</b></p> <p><b>Other</b></p> <p><b>Standards</b></p> <p><b>Specifications</b> Section 455</p> <p><b>T: Plan Details and/or Technical Specifications required</b></p> <p><a href="http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks">http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks</a></p>		

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

<b>Struct.</b>	<b>455- 2- A</b>	<b>TREATED TIMBER PILING</b>	<b>LF</b>
	<p>A = Treatment</p> <p>Blank (Single Treatment)</p> <p>1 (Dual Treatment)</p>		

**Notes** Designer must verify material requirements with State Materials Lab prior to requesting item.

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 2	TREATED TIMBER PILING	LF	A	1/1/2013	5/30/2015

---

**455- 14- AA CONCRETE SHEET PILING**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** Intended for concrete sheet pile walls. Show locations in plans. Include quantity block in plans.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-08: Piling Tabulation and Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other** Normally requires SHOP DRAWINGS  
**Standards** Through June 2011, Index 20400 series: 20400, 20410, 20412, 40230, 20440  
Effective July 2011, Index 6040  
**Specifications** Section 455  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct. 455- 14- AA CONCRETE SHEET PILING LF**

- A = Size
- 1 ( 7" X 30")
- 2 ( 8" X 30")
- 3 (10" X 30")
- 4 (12" X 30")
- 5 (Special) valid through 12-31-13
- 6 (6" X 30")
- 7 (5" X 24")
- 8 (6" X 48")
- 9 (6" X 36")
- 10 (9" X 48")

- Fiber Reinforced Polymer Strand and Reinforcing- DEVELOPMENTAL SPECS REQUIRED
- 21 (7" X 30" w/FRP strand and reinforcing)
- 22 (8" X 30" w/FRP strand and reinforcing)
- 23 (10" X 30" w/FRP strand and reinforcing)
- 24 (12" X 30" w/FRP strand and reinforcing)
- 25 (16" X 30" w/FRP strand and reinforcing)

---

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>TSP/Detail</b>	<b>Valid Date</b>	<b>Obsolete Date</b>
0455 14 2	CONCRETE SHEET PILING, 8"X30"	LF		1/1/2013	
0455 14 3	CONCRETE SHEET PILING, 10"X30"	LF		1/1/2013	
0455 14 4	CONCRETE SHEET PILING, 12"X30"	LF		1/1/2013	

---

455- 18- PROTECTION OF EXISTING STRUCTURES																			
<b>Unit</b>	LS/LS																		
<b>Accuracy</b>	Lump Sum																		
<b>PlanQuantity?</b>	yes																		
<b>Notes</b>	<b>Valid through 6-30-2015. Replaced by 108- pay items. For approved projects, valid date is extended until 8-31-15. Contact the State Roadway Design Office- Paul Hires, for more information; Modified specifications required. DO NOT USE WITH 108 items.</b>																		
<b>Details</b>	<p>The item is to protect adjacent buildings, RR tracks, existing bridge structures, etc that may be impacted by vibration effects of the new construction.</p> <p>Survey existing older bridges and monitor vibration/settlement of existing structures located within a few hundred feet of the following construction operations: pile driving, drilled shaft excavations, blasting, vibro-compaction, steel sheet pile installations, well point dewatering systems, etc. Of special concern are old bridge structures on timber piles, existing retaining walls, existing building on shallow foundations, etc.</p> <p>IN THE PLANS, list the adjacent structures not covered under 455-1.1 that require surveying and vibration monitoring, or structures that require special attention during construction.</p> <p>The item is usually loaded as a structures items due to pile driving operations. However, blasting, sheet pile wall installations and super-pave vibratory compaction operations can cause vibrations sufficient to create damage to adjacent structures also.</p> <p>NOTE: Protection of structures that are under construction (existing portion of a bridge during widening) is incidental to the bridge costs. No separate pay item is needed.</p> <p>For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.</p>																		
<b>Related Items</b>	<table border="0"> <thead> <tr> <th>Required</th> <th>Recommended</th> </tr> </thead> <tbody> <tr> <td colspan="2">.....</td> </tr> <tr> <td><b>Plan Summary Box</b></td> <td>Summary of Structures Quantities, Bridge xxxxxx</td> </tr> <tr> <td colspan="2">.....</td> </tr> <tr> <td><b>Design Forms and Documentation</b></td> <td> <p>COMP 700-050-05: Lump Sum Quantities</p> <p>Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.</p> </td> </tr> <tr> <td colspan="2">.....</td> </tr> <tr> <td><b>Construction Forms and Documentation</b></td> <td> <p>No additional form required; use plans summary or comp book</p> <p>Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.</p> </td> </tr> <tr> <td colspan="2">.....</td> </tr> <tr> <td><b>References</b></td> <td> <p><b>PPM Chapter</b></p> <p><b>Trns-port</b></p> <p><b>Other</b> Soils and Foundations Handbook 7.1.6, 9.2.4</p> <p><b>Standards</b></p> <p><b>Specifications</b> Section 455</p> <p><b>T: Plan Details and/or Technical Specifications required</b></p> </td> </tr> </tbody> </table>	Required	Recommended	.....		<b>Plan Summary Box</b>	Summary of Structures Quantities, Bridge xxxxxx	.....		<b>Design Forms and Documentation</b>	<p>COMP 700-050-05: Lump Sum Quantities</p> <p>Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.</p>	.....		<b>Construction Forms and Documentation</b>	<p>No additional form required; use plans summary or comp book</p> <p>Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.</p>	.....		<b>References</b>	<p><b>PPM Chapter</b></p> <p><b>Trns-port</b></p> <p><b>Other</b> Soils and Foundations Handbook 7.1.6, 9.2.4</p> <p><b>Standards</b></p> <p><b>Specifications</b> Section 455</p> <p><b>T: Plan Details and/or Technical Specifications required</b></p>
Required	Recommended																		
.....																			
<b>Plan Summary Box</b>	Summary of Structures Quantities, Bridge xxxxxx																		
.....																			
<b>Design Forms and Documentation</b>	<p>COMP 700-050-05: Lump Sum Quantities</p> <p>Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.</p>																		
.....																			
<b>Construction Forms and Documentation</b>	<p>No additional form required; use plans summary or comp book</p> <p>Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.</p>																		
.....																			
<b>References</b>	<p><b>PPM Chapter</b></p> <p><b>Trns-port</b></p> <p><b>Other</b> Soils and Foundations Handbook 7.1.6, 9.2.4</p> <p><b>Standards</b></p> <p><b>Specifications</b> Section 455</p> <p><b>T: Plan Details and/or Technical Specifications required</b></p>																		

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

.....  
*TRNS\*PORT Category (DRAFT FIELD):* 100 or 200 Structures or Roadway

**Struct. 455- 18- PROTECTION OF EXISTING STRUCTURES LS/LS**

**Notes**

.....  
*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 18	PROTECTION OF EXISTING STRUCTURES	LS	T	1/1/2013	6/30/2015

**455- 34- AA      PRESTRESSED CONCRETE PILING**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

For projects let January 2009 and later: Intended to cover cost and installation of the square prestressed concrete piling.  
 Design quantity computed as the total anticipated length of pile WITHOUT ALLOWANCES for cutoffs, splices, dynamic load tests, or preforming. Construction Final Quantity will be adjusted based on allowances, per the specifications.  
 Related item 455-143, except for fender system piling, & piling for soldier pile walls.  
 Per specification, "No payment will be made for dynamic load tests used to evaluate the integrity of a pre-planned epoxy-bonded dowel splice. Include all costs associated with dynamically testing production piles with epoxy-bonded dowel splices in the Pay Item 455-34."

For projects let through December 2008: Intended to cover cost and installation of the square prestressed concrete piling.  
 Quantity computed as the total anticipated length of pile without allowances for cutoffs, splices or preforming. Related items 455-143 & 455-137, except for fender system piling, & piling for soldier pile walls.

\*\*\*\*\*

Piles with Fiber Reinforced Polymer Strand and Reinforcing: Contact the State Structures Design Office prior to using these items. Developmental Specifications are required.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-08: Piling Tabulation and Cont.  
 Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
 Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**      SDG 3.5  
**Standards**      Index 20600 series: 20600, 20601, 20602, 20612, 20614, 20618, 20620, 20624, 20630, 20631  
**Specifications**      Section 455

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **455- 34- AA**      **PRESTRESSED CONCRETE PILING**      **LF**

A =  
 1 (12" Sq.)  
 2 (14" Sq.)

- 3 (18" Sq.)
- 4 (20" Sq.)
- 5 (24" Sq.)
- 6 (30" Sq.)
- 7 (36" Sq.)

- Fiber Reinforced Polymer Strand and Reinforcing- DEVELOPMENTAL SPECS REQUIRED
- 21 (12" Sq. w/ FRP Strand and Reinforcing)
  - 22 (14" Sq. w/ FRP Strand and Reinforcing)
  - 23 (18" Sq. w/ FRP Strand and Reinforcing)
  - 24 (20" Sq. w/ FRP Strand and Reinforcing)
  - 25 (24" Sq. w/ FRP Strand and Reinforcing)
  - 26 (30" Sq. w/ FRP Strand and Reinforcing)
  - 27 (36" Sq. w/ FRP Strand and Reinforcing)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 34 1	PRESTRESSED CONCRETE PILING, 12" SQ.	LF		1/1/2013	
0455 34 2	PRESTRESSED CONCRETE PILING, 14" SQ.	LF		1/1/2013	
0455 34 3	PRESTRESSED CONCRETE PILING, 18" SQ.	LF		1/1/2013	
0455 34 4	PRESTRESSED CONCRETE PILING, 20" SQ.	LF		1/1/2013	
0455 34 5	PRESTRESSED CONCRETE PILING, 24" SQ.	LF		1/1/2013	
0455 34 6	PRESTRESSED CONCRETE PILING, 30" SQ.	LF		1/1/2013	
0455 34 7	PRESTRESSED CONCRETE PILING, 36" SQ.	LF		1/1/2013	

**455- 35- AA PILING, STEEL**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** Intended to cover cost and installation of the steel "H" or pipe piling. Quantity computed as the total anticipated length of pile without allowances for cutoffs, splices or preforming

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-08: Piling Tabulation and Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      SDG 3.5  
**Standards**  
**Specifications** Section 455

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**      **455- 35- AA**      **PILING, STEEL**      **LF**

- AA =
- 1 (Hp 8 X 36)
- 2 (Hp 10 X 36)
- 3 (Hp 10 X 42)
- 4 (Hp 12 X 53)
- 5 (Hp 14 X 73)
- 6 (Hp 14 X 89)
- 7 (Hp 14 X102)
- 8 (Hp 14 X 117)
- 9 (Special) valid through 12-31-13
- 20 (18" Diameter Pipe)
- 21 (20" Diameter Pipe)
- 22 (24" Diameter Pipe)
- 23 (30" Diameter Pipe)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 35 1	STEEL PILING, HP 8 X 36	LF		1/1/2013	
0455 35 3	STEEL PILING, HP 10 X 42	LF		1/1/2013	
0455 35 4	STEEL PILING, HP 12 X 53	LF		1/1/2013	
0455 35 5	STEEL PILING, HP 14 X 73	LF		1/1/2013	
0455 35 6	STEEL PILING, HP 14 X 89	LF		1/1/2013	
0455 35 7	STEEL PILING, HP 14 X 102	LF		1/1/2013	
0455 35 8	STEEL PILING, HP 14 X 117	LF		1/1/2013	
0455 35 20	STEEL PILING, 18" DIA. PIPE	LF		1/1/2013	
0455 35 21	STEEL PILING, 20" DIA. PIPE	LF		1/1/2013	
0455 35 22	STEEL PILING, 24" DIA. PIPE	LF		1/1/2013	
0455 35 23	STEEL PILING, 30" DIA. PIPE	LF		1/1/2013	

---

**455- 36- A CONCRETE CYLINDER PILES- FURNISHED & DRIVEN**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended to cover cost and installation of the concrete cylinder piling.  
Concrete cylinder piles may be precast pretensioned or spun cast post tensioned concrete.

Quantity computed as the total anticipated length of pile without allowances for cutoffs, splices or preforming.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other** SDG's 3.5  
**Standards** Index No. 20654, 20660.  
**Specifications** Section 455

**T**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 455- 36- A CONCRETE CYLINDER PILES- FURNISHED & DRIVEN LF**

A =  
1 (54" Diameter)  
2 (60" Diameter)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*







**455- 81-ABB CATHODIC PROTECTION**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for Pile or Pier installation of Zinc or Titanium anode, installed as routine maintenance on H-piles and steel sheet piles used for seawalls. Show locations in plans with quantity block. Contact State Materials Office, Corrosion Lab for assistance in use of this item.

Electrical Work paid under item 400-60-A.

DO NOT USE this item with 400-142 (Cathodic Protection for mass concrete or structural components) or 457 items (integral pile jackets).

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 400-60                      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100                      Structures

**Struct.**    **455- 81-ABB**                      **CATHODIC PROTECTION**                      **EA**

- A = Operation
- 1 (Furnish & Install)
- BB = Assembly Material
- 01 (Pile, Zinc Anode Assembly)
- 02 (Pier, Zinc Anode Assembly)
- 04 (Pile, Titanium Anode Assembly)
- 05 (Pier, Titanium Anode Assembly)

06 (Other) specified in the plans

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 81101	CATHODIC PROTECTION, F&I, PILE, ZINC ANODE ASSEMBLY	EA	T	1/1/2013	
0455 81102	CATHODIC PROTECTION, F&I, PIER, ZINC ANODE ASSEMBLY	EA	T	1/1/2013	
0455 81104	CATHODIC PROTECTION, F&I, PILE, TITANIUM ANODE PROTECTION	EA		1/1/2013	
0455 81105	CATHODIC PROTECTION, F&I, PIER, TITANIUM ANODE ASSEMBLY	EA		1/1/2013	
0455 81106	CATHODIC PROTECTION, F&I, PIER, OTHER MATERIAL ASSEMBLY	EA	T	1/1/2013	

**455- 87- STEEL ANCHOR BAR**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for wall anchor tiebacks to connect wall to dead men, or anchor piles. Not for prestressed soil anchor applications. Show locations in plans w/ quantity block. Design for sacrificial thickness and coat with coal tar epoxy, if required

**Related Items**

**Required**    **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100    Structures

**Struct.**    **455- 87-**    **STEEL ANCHOR BAR**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 87	ANCHOR BAR, STEEL	EA		1/1/2013	

**455- 88- AA DRILLED SHAFT**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

PAY ITEM VALID FOR BRIDGE STRUCTURES ONLY. Drilled Shaft foundations for High Mast Lighting, Overhead Signs, and Mast Arms are included in the price of the item being installed; no separate payment for these items.

Intended to pay for the cost of concrete and steel, temporary casing, all labor, materials, equipment and incidentals necessary to complete the drilled shaft. Length is measured from top-of-shaft elevation to the design tip elevation shown in the plans. Pay Item 455-122-XAA is required with this item. Pay Item 455-122 covers the cost of the shaft excavation. Clearly specify in plans CSL testing requirements as required. Cost of Shaft Inspection Device included in cost of drilled shaft, 455- 88-XAA. CSL tubes included under 455- 88-XAA. CSL testing paid for under Item 455-142.

**Related Items**

**Required** 455-122 (2455-122)      **Recommended** 455-142 when CSL testing is required

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**      SDG 3.6  
**Standards**  
**Specifications**      Section 455

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **455- 88- AA**      **DRILLED SHAFT**      **LF**

- AA = Diameter
- 1 (24" Diameter)
- 2 (30" Diameter)
- 3 (36" Diameter)
- 4 (42" Diameter)
- 5 (48" Diameter)
- 6 (60" Diameter)
- 7 (72" Diameter)
- 8 (54" Diameter)
- 9 (66" Diameter)

- 15 (84" Diameter)
- 19 (90" Diameter)
- 20 (108" Diameter)
- 21 (96" Diameter)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455 88 1	DRILLED SHAFT, 24" DIA	LF		1/1/2013	
0455 88 2	DRILLED SHAFT, 30" DIA	LF		1/1/2013	
0455 88 3	DRILLED SHAFT, 36" DIA	LF		1/1/2013	
0455 88 4	DRILLED SHAFT, 42" DIA	LF		1/1/2013	
0455 88 5	DRILLED SHAFT, 48" DIA	LF		1/1/2013	
0455 88 6	DRILLED SHAFT, 60" DIA	LF		1/1/2013	
0455 88 7	DRILLED SHAFT, 72" DIA	LF		1/1/2013	
0455 88 8	DRILLED SHAFT, 54" DIA	LF		1/1/2013	
0455 88 9	DRILLED SHAFT, 66" DIA	LF		1/1/2013	
0455 88 15	DRILLED SHAFT, 84" DIA	LF		1/1/2013	
0455 88 19	DRILLED SHAFT, 90" DIA	LF		1/1/2013	
0455 88 20	DRILLED SHAFT, 108 " DIA	LF		1/1/2013	
0455 88 21	DRILLED SHAFT, 96" DIA	LF		1/1/2013	

**455- 93- THERMAL INTEGRITY TESTING FOR DRILLED SHAFTS**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**                      **Monitor: Larry Jones, State Geotechnical Engineer**

**Details**                      Contact the monitor prior to use. Project specific approval required; do not use without approval of the State Geotechnical Engineer. Specifications are under development by the monitor.

Estimate the quantity based on the number of drilled shafts to be tested.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**                      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):*    100 or 200    Structures or Roadway

**Struct.**    **455- 93-**    **THERMAL INTEGRITY TESTING FOR DRILLED SHAFTS**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**455-101- A      LOAD TEST- OSTERBERG**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended to load test drilled shafts using Osterberg Cells. Show location and test load of o-cells test shafts. Show number and depth of o-cells for each test shaft.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 455-129-XXA                      **Recommended** 455-131- and 455-132- required for test located on water.

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Soils and Foundations Handbook 10.3.3  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct.      455-101- A                      LOAD TEST- OSTERBERG                      EA**

A =  
1 (Less Than 5 Cells)  
2 (5 Or More Cells)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455101 1	TEST LOAD, OSTERBERG CELL, LESS THAN FIVE CELLS	EA	T	1/1/2013	
0455101 2	TEST LOAD, OSTERBERG CELL, 5 OR MORE CELLS	EA	T	1/1/2013	

---

**455-103-ABB      LOAD TEST- STATNAMIC**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for Statnamic load testing of piles or drilled shafts. Show location and test load of test shafts or piles.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 455-129- A                      **Recommended** 455-131- and 455-132- required for test located on water.

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**                      Soils and Foundations Handbook 10.3.1  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100                      Structures

**Struct.      455-103-ABB                      LOAD TEST- STATNAMIC                      EA**

- A = Type
- 1 (Compression)
- 2 (Lateral)
- BB = Test Capacity
- 01 ( 100 Tons)
- 02 ( 200 Tons)
- 03 ( 300 Tons)
- 04 ( 400 Tons)
- 05 ( 500 Tons)
- 06 ( 600 Tons)
- 07 ( 700 Tons)
- 08 ( 800 Tons)

- 09 ( 900 Tons)
- 10 (1000 Tons)
- 11 (1100 Tons)
- 12 (1200 Tons)
- 13 (1300 Tons)
- 14 (1400 Tons)
- 15 (1500 Tons)
- 16 (1600 Tons)
- 30 (3000 Tons)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455103108	LOAD TEST - STATNAMIC, COMPRESSION, 800TN	EA	T	1/1/2013	
0455103110	LOAD TEST - STATNAMIC, COMPRESSION, 1000TN	EA	T	1/1/2013	
0455103114	LOAD TEST - STATNAMIC, COMPRESSION, 1400TN	EA	T	1/1/2013	

**455-107- AA DRILLED SHAFT CASING**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended on drilled shaft projects when plans require permanent casing method be used. Permanent casing is typically not paid for separately for portions of shaft in waterway unless permanent casing method is required for shaft below the mud line. Show locations and depths in drilled shaft data table.

**Related Items**

**Required** 455-122- AA, 455-88- AA      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**                      SDG 3.6  
**Standards**  
**Specifications**      Section 455

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100                      Structures

**Struct.**      **455-107- AA**                      **DRILLED SHAFT CASING**                      **LF**

- AA = Diameter
- 1 (24")
- 2 (30")
- 3 (36")
- 4 (42")
- 5 (48")
- 6 (60")
- 7 (72")
- 8 (54")
- 9 (66")
- 18 (84)
- 19 (90")
- 20 (108")
- 21 (96")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455107 1	DRILLED SHAFT CASING, 24" DIAMETER	LF		1/1/2013	
0455107 2	DRILLED SHAFT CASING, 30" DIAMETER	LF		1/1/2013	
0455107 3	DRILLED SHAFT CASING, 36" DIAMETER	LF		1/1/2013	
0455107 4	DRILLED SHAFT CASING, 42" DIAMETER	LF		1/1/2013	
0455107 5	DRILLED SHAFT CASING, 48" DIAMETER	LF		1/1/2013	
0455107 6	DRILLED SHAFT CASING, 60" DIAMETER	LF		1/1/2013	
0455107 7	DRILLED SHAFT CASING, 72" DIAMETER	LF		1/1/2013	
0455107 8	DRILLED SHAFT CASING, 54" DIAMETER	LF		1/1/2013	
0455107 9	DRILLED SHAFT CASING, 66" DIAMETER	LF		1/1/2013	
0455107 18	DRILLED SHAFT CASING, 84" DIAMETER	LF		1/1/2013	
0455107 19	DRILLED SHAFT CASING, 90" DIAMETER	LF		1/1/2013	
0455107 20	DRILLED SHAFT CASING, 108" DIAMETER	LF		1/1/2013	
0455107 21	DRILLED SHAFT CASING, 96" DIAMETER	LF		1/1/2013	

**455-108- Steel Casing for Future Piles**

**Unit** LF; M1; SF; M2      **Accuracy** Linear Foot; 1/10 Meter; Square Foot; Square Meter      **PlanQuantity?**

**Notes**

**Details** Intended for use as a casing for future piles, to protect the MSE wall being installed at this time. Fill material for casing will be included in the cost of the casing.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box** Multiple: Multiple forms may be applicable. See details above.  
Refer to BOE details for project application.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0100      Structures

**Struct.**    **455-108-**      **Steel Casing for Future Piles**      **LF; SF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455108	STEEL CASING FOR FUTURE PILE	LF	T	1/1/2015	6/30/2015

**455-111- CORE/PILOT HOLE- DRILLED SHAFT EXCAVATION**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for payment of pilot holes or cores for drilled shaft projects to determine the quality of the material below the tip.  
Pilot holes are taken at shaft locations prior to shaft excavation.  
Cores are taken below the tip of an excavated shaft.  
Pilot holes or cores when deemed necessary, are typically taken 3 to 5 shaft diameters below the shaft's planned tip elevation. Use 3 shaft diameters unless otherwise noted in the plans.  
Show location in the plans. Clarify whether pilot holes or cores are to be taken. Base quantity on the anticipated pilot hole and/or core length needed. Include pay item note.

Establish quantities as follows: Cores: measured from the bottom of shaft elevation to the bottom of the core (3 to 5 shaft diameters below tip); Pilot holes: measured from the ground elevation to the bottom elevation of the pilot hole (3 to 5 shaft diameters below tip).

**Related Items**

**Required** 455- 88- AA, 455-122- AA      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 455

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.** 455-111-      **CORE/PILOT HOLE- DRILLED SHAFT EXCAVATION**      **LF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455111	CORE-PILOT HOLE, DRILLED SHAFT EXCAVATION	LF		1/1/2013	

**455-112- A      PILE- AUGER GROUTED**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for payment of auger cast piles in tangent auger cast pile walls or secant auger cast pile walls only. Do not use with pay item 534-72-1AA or to pay separately for foundations for miscellaneous structures. Not for use to support bridge structures.

Foundations for walls, signs, lighting, and mast arms are included in the item being installed. No separate payment is made for foundations on these items. Refer to the specifications for additional information.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-08: Piling Tabulation and Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**      Soils and Foundations Manual 8.2.4, SDG 3.1  
**Standards**  
**Specifications**      Section 455

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **455-112- A**      **PILE- AUGER GROUTED**      **LF**

- A =
- 1 (16" Diameter)
- 2 (14" Diameter)
- 3 (24" Diameter)
- 4 (30" Diameter)
- 5 (18" Diameter)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455112 1	PILE AUGER GROUTED, 16" DIAMETER	LF		1/1/2013	
0455112 3	PILE AUGER GROUTED, 24" DIA	LF		1/1/2013	
0455112 5	PILE AUGER GROUTED, 18" DIA	LF		1/1/2013	

**455-119-ABB      LOAD TEST- STATIC**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**                      Intended for static axial or lateral load testing of piles or drilled shafts. Not used for Osterberg- Cell or Statnamic tests. Show location and test load in plans.

**Related Items**           **Required** 455-129- A                      **Recommended** 455-131- and 455-132- required for test located on water.

**Plan Summary Box**           Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**           COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**           No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**           **PPM Chapter**  
**Trns-port**  
**Other**                      Soils and Foundations Handbook 10.3.1, Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**           Section 455  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100                      Structures

**Struct.      455-119-ABB                      LOAD TEST- STATIC                      EA**

- A = Type Load
- 1 (Compression)
- 2 (Tension)
- 3 (Lateral)
- BB = Amount Of Load
- 01 ( 0 - 50 Tons)
- 02 (51 - 100 Tons)
- 03 (101 - 600 Tons)
- 04 (601 -1200 Tons)
- 05 (1201-1800 Tons)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455119103	LOAD TEST-STATIC, COMPRESSION,101-600 TONS	EA		1/1/2013	
0455119104	LOAD TEST-STATIC, COMPRESSION,601-1200 TONS	EA		1/1/2013	
0455119201	LOAD TEST-STATIC, TENSION, 0-50 TONS	EA		1/1/2013	
0455119301	LOAD TEST-STATIC, LATERAL, 0-50 TONS	EA		1/1/2013	

---

**455-120- A      PILE POINT PROTECTION**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for steel "H" or pipe piling and steel sheet piling projects when borings show soils that may be difficult to penetrate. Show locations in plans w/ quantity block.

Other sizes/shapes available, with approval of State Structures Design Office.

**Related Items**

**Required** 455- 35, 455-133                      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-08: Piling Tabulation and Cont.

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**

**Specifications** Section 455

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100                      Structures

**Struct.**    **455-120- A**                      **PILE POINT PROTECTION**                      **EA**

- A =
- 1 (HP 14" X 89)
- 2 (20" Sq.)
- 3 (24" Sq.)
- 4 (HP 14 X 117)
- 5 (HP 14" X 73")
- 6 (20" round)
- 7 (24" round)
- 8 (HP 12" x 53")

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455120 1	PILE POINT PROTECTION, HP 14" X 89"	EA		1/1/2013	
0455120 2	PILE POINT PROTECTION, 20" SQ	EA		1/1/2013	
0455120 3	PILE POINT PROTECTION, 24"	EA		1/1/2013	
0455120 4	PILE POINT PROTECTION, HP 14" X 117"	EA		1/1/2013	
0455120 5	PILE POINT PROTECTION, HP 14" X 73"	EA		1/1/2013	
0455120 6	PILE POINT PROTECTION, 20" ROUND	EA		1/1/2013	
0455120 7	PILE POINT PROTECTION, 24" ROUND	EA		1/1/2013	
0455120 8	PILE POINT PROTECTION, HP 12" X 53"	EA		1/1/2013	

---

**455-122- AA UNCLASSIFIED SHAFT EXCAVATION**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details** PAY ITEM VALID FOR BRIDGE STRUCTURES ONLY. Drilled Shaft foundations for High Mast Lighting, Overhead Signs, and Mast Arms are included in the price of the item being installed; no separate payment for these items.

Intended for the excavation of the drilled shafts. Pay Item 455-88-XAA is required with this item. Quantity is the depth of excavated hole from ground elevation to tip of shaft.

**Related Items**      **Required** 455- 88- AA      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      SDG 3.6  
**Standards**  
**Specifications** Section 455

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**      **455-122- AA**      **UNCLASSIFIED SHAFT EXCAVATION**      **LF**

- AA =
- 1 (24" Diameter.)
- 2 (30" Diameter.)
- 3 (36" Diameter.)
- 4 (42" Diameter.)
- 5 (48" Diameter.)
- 6 (60" Diameter.)
- 7 (72" Diameter.)
- 8 (54" Diameter.)
- 9 (66" Diameter.)
- 19 (90" Diameter.)
- 20 (108" Diameter.)
- 21 (96" Diameter.)

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455122 3	EXCAVATION UNCLASSIFIED SHAFT, 36" DIA	LF		1/1/2013	
0455122 4	EXCAVATION UNCLASSIFIED SHAFT, 42" DIA	LF		1/1/2013	
0455122 5	EXCAVATION UNCLASSIFIED SHAFT, 48" DIA	LF		1/1/2013	
0455122 6	EXCAVATION UNCLASSIFIED SHAFT, 60" DIA	LF		1/1/2013	
0455122 7	EXCAVATION UNCLASSIFIED SHAFT, 72" DIA	LF		1/1/2013	
0455122 8	EXCAVATION UNCLASSIFIED SHAFT, 54" DIA	LF		1/1/2013	
0455122 15	EXCAVATION UNCLASSIFIED SHAFT, 84" DIA	LF		1/1/2013	
0455122 19	EXCAVATION UNCLASSIFIED SHAFT, 90" DIA	LF		1/1/2013	
0455122 21	EXCAVATION UNCLASSIFIED SHAFT, 96" DIA	LF		1/1/2013	

---

**455-129- A INSTRUMENTATION AND DATA COLLECTION (STRUCTURES FOUNDATIONS)**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** yes

**Notes**

**Details**

Intended for use with all static, statnamic and Osterberg Cell load tests.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 455-101, 455-103, or 455-119      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities  
Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Soils and Foundations Handbook 10.3  
**Standards**  
**Specifications** Section 455

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct.** 455-129- A      **INSTRUMENTATION AND DATA COLLECTION (STRUCTURES FOUNDATIONS)**      **LS/LS**

A =

2 (Drilled Shaft Foundation)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455129 2	INSTRUMENTATION & DATA COLLECT, DRILLED SHAFT FOUNDATIONS	LS		1/1/2013	

455-133- A	SHEET PILING		
<b>Unit</b>	SF; M2	<b>Accuracy</b>	Square Foot; 1/10 Square Meter
<b>PlanQuantity?</b>	yes		
<b>Notes</b>	<b>Selected items are monitored by the State Geotechnical Engineer. Contact Larry Jones, State Geotechnical Engineer in the State Structures Design Office, prior to including the monitored items on any project.</b>		
<b>Details</b>	STEEL PERMANENT: Complete designs and details must be provided in the plans including the Steel sheeting section, begin and end stations, top and bottom pile elevations. Refer to Section 455 for current specifications.		
	STEEL TEMPORARY: This item should be utilized for temporary sheet pile installations that are installed at "critical locations." Critical walls" are walls necessary to maintain the safety of the traveling public or structural integrity of nearby structures, roadways and utilities during construction. Refer to Section 455 for current specifications. For temporary critical walls requiring soil anchors, dead men etc., provide full details in plans (design of wale, soil anchor spacing and load, dead men anchor, number of proof test and creep test required, etc.).		
	COMPOSITE POLYURETHANE & GLASS FIBER: Low height sheet pile for shoreline protection. Polyurethane resin/glass fiber matrix pultruded material. Experimental use only. The use of this item must be approved by the State Geotechnical Engineer.		
	VINYL: The Interlocking Vinyl Sheet Piling Wall consists of Vinyl sheet piling manufactured from extruded, UV stabilized Polyvinyl Chloride (PVC). The use of this item must be approved by the State Geotechnical Engineer.		
	Complete design and details must be provided in the plans including the section modulus, begin and end stations, top and bottom pile elevations. See 455-12.6.2 for additional information.		
	*****		
	DOCUMENTATION: When sheet piling is used for construction of a structure, document quantities on the Summary of Structures Quantities. When sheet piling is used for other roadway work, document quantities on the Summary of Walls.		
	TRNS*PORT Category: When sheet piling is used for construction of a structure and shown in the structures plans, load the item in the corresponding structures category. When walls are used for other applications (roadway or utilities), load the item in the corresponding category.		
	MEASUREMENT: The area to be paid for will be measured from top of pile elevation to bottom of pile elevation and longitudinally from beginning to end of wall, as shown in the plans.		
	PAYMENT: PLAN QUANTITY will be the basis of payment to the contractor. No separate payment will be made for the cost of the anchor system for anchored.		
	SUMMARY BOX/DOCUMENTATION: When the sheet piling is associated with a bridge structure, document the sheet piling with the Summary of Structures Quantities, Bridge XXXXXXX items. When the sheet piling is not associated with a structure, document the quantities on the Summary of Walls.		
<b>Related Items</b>	<b>Required</b>	<b>Recommended</b>	455-120
<b>Plan Summary Box</b>	Summary of Structures Quantities, Bridge xxxxxx		

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

<b>Design Forms and Documentation</b>	COMP 700-050-08: Piling Tabulation and Cont. Locate in the plans. Summarize quantities by location in the computation book.
<b>Construction Forms and Documentation</b>	No additional form required; use plans summary or comp book Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

<b>References</b>	<b>PPM Chapter</b> <b>Trns-port</b> <b>Other</b> SDG 3.5, Normally requires SHOP DRAWINGS <b>Standards</b> <b>Specifications</b> Section 455 <b>T: Selected Items may require Plan Details and/or Technical Specifications</b> <a href="http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks">http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks</a>
-------------------	--

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200 Structures or Roadway

**Struct. 455-133- A SHEET PILING SF**

- A = Material & Operation for Concrete- use Item 455-14-2 (Steel, Temporary- Critical)
- 3 (Steel, Furnish & Install Permanent)
- 4 (Composite Polyurethane & glass fiber) \*
- 5 (Vinyl, Furnish & Install Permanent) \*

\*Must be approved by State Geotechnical Engineer for each project; Tech Specs required.

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455133 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF		1/1/2013	
0455133 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF		1/1/2013	
0455133 3	SHEET PILING STEEL, F&I PERMANENT	SF		1/1/2013	
0455133 3	SHEET PILING STEEL, F&I PERMANENT	SF		1/1/2013	
0455133 5	SHEET PILING VINYL, F&I PERMANENT	SF	T	1/1/2013	
0455133 5	SHEET PILING VINYL, F&I PERMANENT	SF	T	1/1/2013	

**455-142- CROSSHOLE SONIC LOGGING / DRILLED SHAFT TESTING**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for integrity testing of drilled shafts. CSL tubes are required to be placed in all drilled shafts, but only a portion of shafts will actually be tested. Determine number of shafts to be CSL tested; identify shafts in the plans.

This pay item should NOT be included for miscellaneous structures with drilled shafts. If the Engineer suspects defects in any drilled shaft installation, additional CSL testing may be required. If the installation is found to be defective, no additional payment will be made for testing or required corrections. If the installation is found to meet specifications, then payment for CSL testing will be made as unforeseeable work.

**Related Items**

**Required** 455-88, 455-122-XAA                      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Soils and Foundation Handbook 10.4.2, 10.4.3  
**Standards**  
**Specifications** Section 455

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 455-142- CROSSHOLE SONIC LOGGING / DRILLED SHAFT EA**  
**TESTING**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455142	CROSSHOLE SONIC LOGGING	EA	T	1/1/2013	

**455-143- AA TEST PILES- PRESTRESSED CONCRETE**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

For Projects let January 2009 and later: Intended to cover cost and installation of the prestressed concrete test piling. Includes the payment for dynamic load test on test piles. The plan quantity (bid quantity, as listed in the Summary of Pay Items) is computed as the total anticipated length of pile, without allowances for cutoffs, splices, or preforming. Final quantities will be adjusted according to specification allowances.

For projects let through December 2008: Intended to cover cost and installation of the prestressed concrete test piling. PDA paid for separately under item 455-137. Intended to cover cost and installation of the prestressed concrete piling. Quantity computed as the total anticipated length of pile, without allowances for cutoffs, splices, or preforming.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required** 455-137, 455-34      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-08: Piling Tabulation and Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**  
**Trns-port**  
**Other**      Soils and Foundation Handbook 10.1, 10.2  
**Standards**  
**Specifications**      Section 455

**T: Selected Items may require Plan Details and/or Technical Specifications**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **455-143- AA**      **TEST PILES- PRESTRESSED CONCRETE**      **LF**

- AA =
- 1 (12" Sq.)
- 2 (14" Sq.)
- 3 (18" Sq.)
- 4 (20" Sq.)
- 5 (24" Sq.)

- 6 (30" Sq.)
- 7 (36" Diameter)
- 8 (Special)\* open only with approval from State Structures Design Office

**Notes** \* Special may require Tech Spec and/or Plan Detail

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455143 1	TEST PILES-PRESTRESSED CONCRETE,12" SQ	LF		1/1/2013	
0455143 2	TEST PILES-PRESTRESSED CONCRETE,14" SQ	LF		1/1/2013	
0455143 3	TEST PILES-PRESTRESSED CONCRETE,18" SQ	LF		1/1/2013	
0455143 4	TEST PILES-PRESTRESSED CONCRETE,20" SQ	LF		1/1/2013	
0455143 5	TEST PILES-PRESTRESSED CONCRETE,24" SQ	LF		1/1/2013	
0455143 6	TEST PILES-PRESTRESSED CONCRETE,30" SQ	LF		1/1/2013	
0455143 7	TEST PILES-PRESTRESSED CONCRETE,36" SQ	LF		1/1/2013	

**455-144- AA TEST PILES- STEEL**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended to cover cost and installation of the steel test piling. PDA paid for separately under item 455-137.  
Design quantity computed as the total anticipated length of test pile without allowances for cutoffs, splices or preforming. Show locations on Foundation Layout Sheet. Give test pile lengths in Pile Installation Table.

Construction/Final quantity for Test Piles is computed as follows:  
(Sum of test pile lengths) + [(0.3) x Sum of required preformed pile hole depths for test piles]  
Do not add allowances for splices.

Include quantity for preformed holes only if preforming is known to be required and shown in the plans. Do not use as contingency.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required** 455-137, 455-34      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-08: Piling Tabulation and Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**      **PPM Chapter**

**Trns-port**

**Other**      Soils and Foundation Handbook 10.1, 10.2

**Standards**

**Specifications**      Section 455

**T: Selected Items may require Plan Details and/or Technical Specifications**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **455-144- AA**      **TEST PILES- STEEL**      **LF**

- AA =  
1 (Hp 8 X 36)  
2 (Hp 10 X 36)  
3 (Hp 10 X 42)

- 4 (Hp 12 X 53)
- 5 (Hp 14 X 73)
- 6 (Hp 14 X 89)
- 7 (Hp 14 X 102)
- 8 (Hp 14 X 117)
- 9 (Special)\*
- 20 (18" Diameter Pipe)
- 21 (20" Dia Pipe)
- 22 (24" Dia Pipe)
- 23 (30" Dia Pipe)

**Notes** \* Special may require Tech Spec and/or Plan Detail

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0455144 1	TEST PILES - STEEL, HP 8 x 36	LF		1/1/2013	
0455144 2	TEST PILES - STEEL, HP 10 x 36	LF		1/1/2013	
0455144 3	TEST PILES - STEEL, HP 10 x 42	LF		1/1/2013	
0455144 4	TEST PILES - STEEL, HP 12 x 53	LF		1/1/2013	
0455144 5	TEST PILES, STEEL, HP 14 X 73	LF		1/1/2013	
0455144 6	TEST PILES - STEEL, HP 14 x 89	LF		1/1/2013	
0455144 8	TEST PILES - STEEL, HP 14 x 117	LF		1/1/2013	
0455144 9	TEST PILES - STEEL, SPECIAL	LF	T	1/1/2013	
0455144 20	TEST PILES - STEEL, 18" DIA PIPE	LF		1/1/2013	
0455144 21	TEST PILES - STEEL, 20" DIA PIPE	LF		1/1/2013	
0455144 22	TEST PILES - STEEL, 24" DIA PIPE	LF		1/1/2013	
0455144 23	TEST PILES - STEEL, 30" DIA PIPE	LF		1/1/2013	

**457- 1- AB      STANDARD INTEGRAL PILE JACKET**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation projects to repair concrete pile damage or to protect sheet piles. Project details (plans or specs) must include jacket lengths. Grout material(s) should be specified in the plans or specifications. Epoxy Grout filler may be used ONLY with permission of the State Materials Office, Corrosion Lab. No separate payment for grout/filler material.

Estimate quantity based on measurement from the bottom of the form to the top of the form, per the specifications. Show locations in plans w/ quantity block. Contact State Materials Office, Corrosion Lab for assistance in use of this item.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

Normally requires SHOP DRAWINGS

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.    457- 1- AB      STANDARD INTEGRAL PILE JACKET      LF**

A = Type  
1 (non-structural)  
2 (Structural)  
B= Pile Size  
1 (up to 16")  
2 (16.1 to 30")

---

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0457 1 11	STANDARD INTEGRAL PILE JACKET, NON-STRUCTURAL, UP TO 16"	LF	T	1/1/2013	
0457 1 12	STANDARD INTEGRAL PILE JACKET, NON-STRUCTURAL, 16.1 to 30.0"	LF	T	1/1/2013	
0457 1 21	STANDARD INTEGRAL PILE JACKET, STRUCTURAL, UP TO 16"	LF	T	1/1/2013	
0457 1 22	STANDARD INTEGRAL PILE JACKET, STRUCTURAL, 16.1 to 30.0"	LF	T	1/1/2013	

---

**457- 2-ABC CATHODIC PROTECTION INTEGRAL PILE JACKET**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation projects to repair concrete pile corrosion damage. Project details (plans or specs) must include jacket lengths, anode type and configuration, as well as connection methods and materials for cathodic protection. Grout material(s) should be specified in the plans or specifications. No separate payment for grout/filler material.

Estimate quantity based on measurement from the bottom of the form to the top of the form, per the specifications. Show locations in plans w/ quantity block. Contact State Materials Office, Corrosion Lab for assistance in use of this item.

Electrical Work will be paid under 400-60, when required for impressed current jackets. For galvanic jackets, include a note in the plans or specifications indicating that electrical work is incidental to the cost of the integral Cathodic protection pile jacket.

See items 400-142 (structure) and 455-81 (pier or pile) for other Cathodic Protection work.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required** 400-60-      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100      Structures

**Struct.** 457- 2-ABC      **CATHODIC PROTECTION INTEGRAL PILE JACKET**      **LF**

A = Type  
1 (non-structural)

- 2 (Structural)
- B= Pile Size
  - 1 (up to 16")
  - 2 (16.1 to 30")
- C= Mode
  - 1 (Galvanic System)
  - 2 (Impressed Current System)
  - 3 (Contractors Option)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0457 2111	CATHODIC PROTECTION INTEGRAL PILE JACKET, NON-STRUCTURAL, UP TO 16", GALVANIC SYSTEM	LF	T	1/1/2013	
0457 2121	CATHODIC PROTECTION INTEGRAL PILE JACKET, NON-STRUCTURAL, 16.1-30.", GALVANIC SYSTEM	LF	T	1/1/2013	
0457 2122	CATHODIC PROTECTION INTEGRAL PILE JACKET, NON-STRUCTURAL, 16.1-30.", IMPRESSED CURRENT	LF	T	1/1/2013	
0457 2132	CATHODIC PROTECTION INTEGRAL PILE JACKET, NON-STRUCTURAL, 30.1" AND LARGER, IMPRESSED CURRENT SYSTEM	LF	T	1/1/2013	
0457 2211	CATHODIC PROTECTION INTEGRAL PILE JACKET, STRUCTURAL, UP TO 16", GALVANIC SYSTEM	LF	T	1/1/2013	
0457 2221	CATHODIC PROTECTION INTEGRAL PILE JACKET, STRUCTURAL, 16.1-30.", GALVANIC SYSTEM	LF	T	1/1/2013	
0457 2222	CATHODIC PROTECTION INTEGRAL PILE JACKET, STRUCTURAL, 16.1-30.", IMPRESSED CURRENT	LF	T	1/1/2013	

**458- 1- AB BRIDGE DECK EXPANSION JOINT**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Refer to Design Standards and Specifications for selection and use of these joints.  
Poured Joints with Backer Rod- only Type D silicone is paid under this item.  
Strip Seal Joint System- Elastomeric material, as indicated in specs & standards, is paid under this item.

Drill & Epoxy Armor Angle- Work and Materials are included under this item. Intended for Rehabilitation projects only. Coordinate with the District Bridge Maintenance Engineer, prior to use.

Per specification section 458, payment includes all work and materials, not limited to preparing the surface, temporary supports, and any sidewalk cover plates required.

Note: Tech Specs are required for selected types of joints/materials, as shown in the pay item structure. Include surface preparation and related sealant material requirements, as well as Measurement and Payment information.

B=3 CLEAN JOINTS: This operation is intended for use by Maintenance only. Work includes blowing compressed air to remove sand and other debris from joints, as described in the contract/work order.

For Bridge Approach Expansion Joints near bridge approach slabs, refer to 370 items.  
For Concrete Joint repairs in Structures, refer to 400 items.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards** Index No. 21100, 21110

**Specifications** Section 458

.....  
**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 458- 1- AB BRIDGE DECK EXPANSION JOINT LF**

A= Operation

1 (New Construction- F&I)

2 (Rehabilitation- Clean, Seal, Replace)

3 (Clean Joint) Maintenance Contracts Only; B=0

B= Type

1 (Poured Joint with Backer Rod) Type D silicone

2 (Strip Seal Joint System)

3 (Modular) Through December 2013: Tech Spec Required, including material and installation specs. Effective January 2014: Included in specification.

4 (Finger Joint) Note: Tech Spec Required, including material and installation specs

5 (Compression Elastomeric) Note: For Rehab only. Tech Spec Required, including material and installation specs

6 (Other) Note: For Rehab only. Tech Spec Required, including material and installation specs

7 (Drill & Epoxy Armor Angle) For Rehab only. Tech Spec Required, including material and installation specs

**Notes**

.....  
*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0458 1 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I Poured Joint with Backer Rod	LF		1/1/2013	
0458 1 12	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I Strip Seal	LF		1/1/2013	
0458 1 13	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I Modular	LF	T	1/1/2013	
0458 1 14	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I Finger Joint	LF	T	1/1/2013	
0458 1 21	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Poured Joint with Backer Rod	LF		1/1/2013	
0458 1 22	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Strip Seal	LF		1/1/2013	
0458 1 23	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Modular	LF	T	1/1/2013	
0458 1 24	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Finger Joint	LF	T	1/1/2013	
0458 1 25	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Compression Elastomeric	LF	T	1/1/2013	
0458 1 26	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Other	LF	T	1/1/2013	
0458 1 27	BRIDGE DECK EXPANSION JOINT, REHABILITATION, Drill & Epoxy Armor Angle	LF	T	1/1/2013	

---

0458 1 30	BRIDGE DECK EXPANSION JOINT, CLEAN JOINT	LF	T	1/1/2013
-----------	---	----	---	----------

---

**458- 2- POLYMER NOSING FOR BRIDGE EXPANSION JOINT**

**Unit** CF; M3      **Accuracy** 1/10 Cubic Foot; 1/100 Cubic Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended for use on bridge repair/rehabilitation projects only. Includes the materials and installation of the nosing near the bridge expansion joints.

Note: This item is to be used with pay item 458-1-.

Complete material and installation requirements must be included in the contract documents.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-04: Volume Measure Items and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 458

**Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 458- 2- POLYMER NOSING FOR BRIDGE EXPANSION JOINT CF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0458 2	POLYMER NOSING FOR BRIDGE DECK EXPANSION JOINT	CF		1/1/2013	

**459- 71- PILES, POLYETHYLENE SHEETING**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?** no

**Notes**

**Details**

Intended on piling or drilled shaft projects to wrap portion of end bent pile or shaft within the fill height to reduce down-drag. Add note on Foundation Layout Sheet. Pay quantity is the pile area wrapped, NOT the quantity of material applied. For each pile, record the perimeter and the height to be wrapped. Payment includes 2 layers, lubricant, and overlap, as required by specification. Bitumen Coating paid separately.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-08: Piling Tabulation and Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**      Soils and Foundations Handbook 8.3.3  
**Standards**  
**Specifications**      Section 459

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**      0100      Structures

**Struct.**      **459- 71-**      **PILES, POLYETHYLENE SHEETING**      **SY**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0459 71	PILES, POLYETHYLENE SHEETING	SY		1/1/2013	

**460- 1- AA      STRUCTURAL STEEL- REHAB**

**Unit** LB; KG      **Accuracy** Pound; Kilogram      **PlanQuantity?** yes

**Notes**

**Details**

Do not use for new steel structures. Includes the work and materials to replace structural steel elements. This item will be used on all rehabilitation work only. Show steel quantities in quantity blocks on plans. Refer to Section 560/561 for coating and painting structural steel.

**Related Items**

**Required**      **Recommended** 560- 1

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications** Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.    460- 1- AA      STRUCTURAL STEEL- REHAB      LB**

- AA =
- 1 (Carbon)
- 2 (Low Alloy)
- 3 (Shoe Assemblies)
- 4 (Expansion Assemblies)
- 5 (Bascule Leaves)
- 6 (Bascule Piers)
- 7 (Approach Spans)
- 11 (Screws, Bolts And Washer Assemblies)
- 12 (Flanking Spans)
- 13 (Bolts, Nuts, Washers And Plates)
- 15 (Miscellaneous)
- 16 (Movable Span)
- 18 (Carbon, Truss)
- 19 (Low Alloy, Truss)
- 20 (Weathering)

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 1 1	STRUCT STEEL- REHAB, CARBON	LB		1/1/2013	
0460 1 2	STRUCT STEEL, REHAB, LOW ALLOY	LB		1/1/2013	
0460 1 3	STRUCT STEEL - REHABILITATION, SHOE ASSEMBLIES	LB		1/1/2013	
0460 1 5	STRUCT STEEL - REHABILITATION, BASCULE LEAVES	LB		1/1/2013	
0460 1 6	STRUCT STEEL - REHABILITATION, BASCULE PIERS	LB		1/1/2013	
0460 1 11	STRUCTURAL STEEL REHAB- SCREWS,BOLTS & WASHER ASSEMBLIES	LB		1/1/2013	
0460 1 12	STRUCT STEEL - REHABILITATION, FLANKING SPAN	LB		1/1/2013	
0460 1 13	STRUCTURAL STEEL REHAB- BOLTS, NUTS, WASHERS & PLATES	LB		1/1/2013	
0460 1 15	STRUCTURAL STEEL - REHABILITATION, MISCELLANEOUS	LB		1/1/2013	

---

**460- 2- AA STRUCTURAL STEEL- NEW/WIDENING**

**Unit** LS/LB; LS/KG **Accuracy** Pound; Kilogram **PlanQuantity?** yes

**Notes**

**Details**

Intended for new construction of steel structures and bridge widening. When painting is specified, cost of painting is incidental to this item.

WEATHERING item used when uncoated weathering steel is specified.

CARBON item used for Grades 36 and higher including weathering steel when painted.

LOW ALLOY item used for Grade 50 steel.

BASCULE LEAVES item used for all grades of steel in bascule leaf except steel used for decking, and steel counterweight blocks. When flanking span remains within the limits of bascule pier, pay under BASCULE PIERS. If not, include under CARBON or LOW ALLOY. Cost of F-shaped or vertical shape steel traffic railing barrier located on bascule leaf included in steel quantity under BASCULE PIERS. Leaf Centering Device Assembly included in steel quantity under BASCULE LEAVES.

BASCULE PIERS item used for all grades of steel in bascule pier except for steel for decking. Cost of F-shaped or vertical shape steel traffic railing barrier located within limits of bascule pier included in steel quantity under BASCULE PIERS.

Calculate weight of steel for estimating purposes only. Due not tabulate steel quantities in the plans. On steel box girder projects add note to include cost of all access hatches, and screen doors in cost of structural steel.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

Normally requires SHOP DRAWINGS

**Standards**

**Specifications** Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.** 460- 2- AA

**STRUCTURAL STEEL- NEW/WIDENING**

**LS/LB**

- AA =
- 1 (Carbon)
- 2 (Low Alloy)
- 3 (Shoe Assemblies)
- 5 (Bascule Leaves)
- 6 (Bascule Piers)
- 15 (Miscellaneous)
- 18 (Carbon, Truss)
- 19 (Low Alloy, Truss)
- 20 (Weathering)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 2 1	STRUCT STEEL, CARBON	LS		1/1/2013	
0460 2 2	STRUCT STEEL, LOW ALLOY	LS		1/1/2013	
0460 2 3	STRUCT STEEL, SHOE ASSEMBLIES	LS		1/1/2013	
0460 2 5	STRUCT STEEL, BASCULE LEAVES	LS		1/1/2013	
0460 2 6	STRUCT STEEL, BASCULE PIERS	LS		1/1/2013	
0460 2 15	STRUCT STEEL, MISCELLANEOUS	LS		1/1/2013	
0460 2 18	STRUCT STEEL, CARBON- TRUSS	LS		1/1/2013	
0460 2 20	STRUCT STEEL - NEW/WIDENING, WEATHERING	LS		1/1/2013	

**460- 5- PREFABRICATED ALUMINUM PEDESTRIAN BRIDGE**

**Unit** SF; M2      **Accuracy** Square Foot; 1/10 Square Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for small pedestrian bridges, including sidewalk crossing over small ditches and rails to trails projects. Substructure/abutments should be paid separately from aluminum superstructure.

Tech Spec/Plan Details: Coordinate plan details with Section 460 requirements for miscellaneous metals. For measurement/payment, note plan quantity in contract documents.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**

**PPM Chapter  
Trns-port  
Other  
Standards  
Specifications**

**TRNS\*PORT Category (DRAFT FIELD):** 0200 or other      Roadway or other- see details

**Struct. 460- 5- PREFABRICATED ALUMINUM PEDESTRIAN BRIDGE SF**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 5	PREFABRICATED ALUMINUM PEDESTRIAN BRIDGE	SF		1/1/2013	
0460 5	PREFABRICATED ALUMINUM PEDESTRIAN BRIDGE	SF		1/1/2013	

**460- 6- A      LADDERS & PLATFORMS**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** yes

**Notes**

**Details**

Intended for both steel and aluminum ladders and platforms when necessary for personnel/ maintenance access. Clearly define location w/ quantity block in plans.

Through June 2012, measurement and payment will be made as noted in the contract documents.

Effective July 2012:

NEW Construction: all components detailed in the contract documents will be paid at the LS unit price.

REHAB Construction: components will be paid per pound, as detailed in the plans.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**

Normally requires SHOP DRAWINGS

**Standards**

**Specifications** Section 460

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct. 460- 6- A**

**LADDERS & PLATFORMS**

**Mixed**

A= Work Type, units

blank = new or rehab, LB, valid through June 2012

1 (New) LS, effective July 2012

2 (Rehab) LB, effective July 2012

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 6 1	LADDERS & PLATFORMS, NEW	LS		1/1/2013	
0460 6 2	LADDERS & PLATFORMS, REHAB	LB		1/1/2013	
0460 6 3	LADDERS & PLATFORMS, NEW - FOR PUSH BUTTON/MAINTENANCE CONTRACTS ONLY	LB		6/11/2014	

---



---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 7	PREFABRICATED STEEL PEDESTRIAN BRIDGE	SF		1/1/2013	

---

**460- 9- A ACCESS HATCH ASSEMBLY**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**                      **Valid through 12-31-13 for new installations. For Repair/Rehab work, contact the BOE Coordinator.**

**Details**                      Effective January 2014: For new construction, the cost of access hatch assembly is incidental to the box girders. No separate payment is made.  
\*\*\*\*\*  
Prior to July 2011, payment for Access Hatch is included in structural steel item(s). Effective July 2011, separate payment for access hatch assembly is included in this item.  
  
Refer to Index 21250 or 21251 and Instructions for Design Standards.  
\*\*\*\*\*

A=1 or 2: Includes all materials and incidentals shown on design standard for an Inspection Access Hatch Assembly.

A=3: Equipment Access Hatch Assembly is intended for a larger hatch used to bring equipment into a box girder section. Complete details must be included in the bridge plans.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**                      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**                      Index 21250 (Steel Box Girder) or 21251 (Concrete Box Girder)  
**Specifications**                      Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0100    Structures

**Struct.**    **460- 9- A**    **ACCESS HATCH ASSEMBLY**    **EA**

A= Box Section- see details above  
1 (Concrete Box Section) Index 21251  
2 (Steel Box Section) Index 21250  
3 (Equipment) Plan Details/Tech Spec

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

**460- 13- A      STRUCTURAL STEEL REHAB- SANDWICH PLATE SYSTEM**

**Unit** SY; M2      **Accuracy** Square Yard; Square Meter      **PlanQuantity?** yes

**Notes**      **Experimental Item. Requires State Structures Design Office Approval / FHWA**

**Details**      Must be coordinated with State Structures Design Office.  
Consists of Furnishing and Installing Sandwich Plate System, including wearing surface, bridge deck, and supporting stringer.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-01: Area Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 460

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**      **460- 13- A**      **STRUCTURAL STEEL REHAB- SANDWICH PLATE SYSTEM**      **SY**

A=  
1 (Deck and Stringer)  
2 (Deck)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**460- 15- STAINLESS STEEL VERMIN GUARD- For Maintenance or Rehab work only**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    100 or 200    Structures or Roadway

**Struct.**    **460- 15-**    **STAINLESS STEEL VERMIN GUARD- For Maintenance or Rehab work only**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 15	STAINLESS STEEL VERMIN GUARD- FOR MAINTENANCE OR REHAB PROJECTS ONLY	EA	T	1/1/2013	

**460- 16- A Shear Lock Replaceable Wear Plates**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?**

**Notes**

**Details**

**Related Items**      **Required**      **Recommended**

**Plan Summary  
 Box**

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms  
 and  
 Documentation**

**Construction  
 Forms and  
 Documentation**

**References**      **PPM Chapter**  
                          **Trns-port**  
                          **Other**  
                          **Standards**  
                          **Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **460- 16- A**      **Shear Lock Replaceable Wear Plates**      **LS/LS**

A= Operation  
 1 (Furnish & Install- REHAB WORK)  
 X (Furnish & Install- New Construction) DO NOT OPEN; included with new bridge  
 3 (Install Only- Furnished by Department)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**460- 70- A ALUMINUM BULLET RAILING**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes**

**Details**

Consists of furnishing and installing bullet railing on top of traffic railing barriers and parapets to protect pedestrians or bicycles. Note details on Indexes 423, 820, 821, and 822.

For other aluminum railings, refer to Index Series 860 and 870, and pay items 515-1-xxa and 515-2-xxa.

**Related Items**

**Required** 521- 6- A when Index 820 Pedestrian Bicycle railing is used      **Recommended**

**Plan Summary Box**

Summary of Permanent Barrier Wall  
 Summarize quantities by pay item and location.

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
 Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
 Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards** Index No. 423, 820, 821, 822  
**Specifications** Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 100 or 200      Structures or Roadway

**Struct. 460- 70- A ALUMINUM BULLET RAILING LF**

A =  
 1 (Single Rail) Index 821, 822  
 2 (Double Rail) Index 821, 822  
 3 (Triple Rail) Index 822

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 70 1	ALUMINUM BULLET RAILINGS, SINGLE RAIL	LF		1/1/2013	
0460 70 2	ALUMINUM BULLET RAILINGS, DOUBLE RAIL	LF		1/1/2013	
0460 70 3	ALUMINUM BULLET RAILINGS, TRIPLE RAIL	LF		1/1/2013	

---



---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 71 1	METAL TRAFFIC RAILING,THRIE BEAM RETROFIT	LF		1/1/2013	
0460 71 2	METAL TRAFFIC RAILING,STEEL POST AND RAIL	LF		1/1/2013	

---

**460- 72- A      THRIE BEAM PANEL RETROFIT**

**Unit** LF; M1      **Accuracy** Linear Foot; 1/10 Meter      **PlanQuantity?** yes

**Notes** **New item effective with Developmental Design Standard D00477, July 2012 lettings and later.**

**Refer to Developmental Design Standards Policy for additional instructions.**

**Details** Consists of furnishing and installing thrie beam panels along a concrete handrail, in accordance with Index 477.  
For other applications, refer to the Index 470 series, along with the Instructions for Design Standards.

Limits of Payment: This pay item is limited to the "end to end" measurement on the bridge. For roadway transition and additional guardrail lengths, refer to Section 536 Guardrail or Section 538 Resetting Guardrail pay items. Remember- roadway transition panels are included in the "end to end" roadway guardrail length.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**      COMP 700-050-09: Linear Measure Comp with Components and Cont., or COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**      No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**      Index No. 477  
**Specifications**      Section 460

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **460- 72- A**      **THRIE BEAM PANEL RETROFIT**      **LF**

A= Application  
1 (Concrete Handrail) Index 477

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 72 1	THRIE BEAM PANEL RETROFIT, CONCRETE HANDRAIL	LF		1/1/2013	

**460- 81- A RIVET / HIGH STRENGTH BOLT REPLACEMENT**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

For Rehabilitation projects only.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**

**Standards**

**Specifications** Section 460

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 100 or 200                      Structures or Roadway

**Struct. 460- 81- A RIVET / HIGH STRENGTH BOLT REPLACEMENT EA**

A =  
Blank (Standard)  
1 (Special)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 81	RIVETS - HIGH STRENGTH BOLTS, REPLACEMENT	EA	T	1/1/2013	

**460- 95- STRUCTURAL STEEL REPAIR**

**Unit** LB; KG      **Accuracy** Pound; Kilogram      **PlanQuantity?** yes

**Notes**

**Details** Intended on rehabilitation projects for in-place heat straightening. Quantity based on weight of steel components to be repaired. Show locations in the plans w/ pay item note to address all work items required.

**Related Items**      **Required** 460- 1-XAA      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**      **PPM Chapter**  
**Trns-port**  
**Other** Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications** Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct.**      **460- 95-      STRUCTURAL STEEL REPAIR      LB**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 95	STRUCTURAL STEEL REPAIR	LB	T	1/1/2013	

**460- 98- A      PIPE HANGER**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**                      to be used ONLY for non-drainage system applications such as structure utility attachments. When deck inserts are required for utility attachments by others, do not include this item. Deck inserts are included in the cost of the superstructure concrete. Show location spacing w/ quantity block in plans.  
Note: Pipe hangers for bridge drainage system paid for under 506-2.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**                      No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100    Structures

**Struct.**    **460- 98- A**    **PIPE HANGER**    **EA**

A =  
1 (Carbon)  
2 (Stainless)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460 98 1	PIPE HANGER, CARBON	EA	T	1/1/2013	
0460 98 2	PIPE HANGER, STAINLESS	EA	T	1/1/2013	

**460-112- ANCHOR BOLT REPLACEMENT**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details** For rehabilitation jobs only. Show location with quantity block in plans.

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**                      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications** Section 460

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100    Structures

**Struct.**    **460-112-**    **ANCHOR BOLT REPLACEMENT**    **EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0460112	ANCHOR BOLT REPLACEMENT	EA	T	1/1/2013	

**460-Maint      STRUCTURES JOINT SEAL  
Maintenance Contracts Only**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** ?

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**Details**      MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**      **460-Maint**      **STRUCTURES JOINT SEAL  
Maintenance Contracts Only**      **Mixed**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
E460 19 1	ARMOR ANGLE (REMOVE)	LF		1/1/2013	
E460 20 1	POLYMER JOINT REPLACEMENT	CF		1/1/2013	
E460 20 2	POLYMER CONCRETE HEADER REPAIR	CF		1/1/2013	
E460 20 3	MODIFIED POLYMER CONCRETE REPAIR (PAVEMENT OR DECK)	LB		1/1/2013	
E460 20 11	ELASTOMERIC STRUCT JOINT SEAL REPLACE (< 1.5")	LF		1/1/2013	
E460 20 12	ELASTOMERIC STRUCT JOINT SEAL REPLACE (1.5"-2.5")	LF		1/1/2013	
E460 20 13	ELASTOMERIC STRUCT JOINT SEAL REPLACE (> 2.5")	LF		1/1/2013	

---

E460 20 14	ELASTOMERIC STRUCT JOINT SEAL REPLACE	LF	1/1/2013
E460 82	BOLT TIGHTENING	EA	1/1/2013

---

**461-113- AB      MULTI ROTATIONAL BEARING ASSEMBLY- FIXED**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**                      Intended furnish and installing pot, disc or cylindrical bearing assemblies. Include location w/ quantity block in plans.

**Related Items**            **Required**    **Recommended**

**Plan Summary Box**            Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**            COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**            No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**            **PPM Chapter**  
**Trns-port**  
**Other**                      SDG 6.5, Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**            Section 461

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0100    Structures

**Struct.**    **461-113- AB**                      **MULTI ROTATIONAL BEARING ASSEMBLY- FIXED**                      **EA**

- A = Operation
- 1 (Furnish & Install)
- B =
- 1 ( 1 - 250 Kips)
- 2 ( 251 - 500 Kips)
- 3 ( 501 - 750 Kips)
- 4 ( 751 - 1000 Kips)
- 5 (1001 - 1250 Kips)
- 6 (1251 - 1500 Kips)
- 7 (1501 - 1750 Kips)
- 8 (1751 - 2000 Kips)
- 9 ( ≥ 2001 Kips)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0461113 12	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 251-500 KIPS	EA		1/1/2013	
0461113 13	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 501- 750KIPS	EA		1/1/2013	
0461113 14	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 751-1000KIPS	EA		1/1/2013	
0461113 15	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 1000-1250 KIPS	EA		1/1/2013	
0461113 16	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 1251-1500 KIPS	EA		1/1/2013	
0461113 17	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 1501-1750 KIPS	EA		1/1/2013	
0461113 18	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, 1751-2000 KIPS	EA		1/1/2013	
0461113 19	MULTIROTATIONAL BEARING ASSEM-FIXED, F&I, >= 2001KIPS	EA		1/1/2013	

---

**461-114- AB      MULTI ROTATIONAL BEARING ASSEMBLY- EXPANSION**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**                      Intended furnish and installing pot, disc or cylindrical bearing assemblies. Include location w/ quantity block in plans.

**Related Items**            **Required**    **Recommended**

**Plan Summary Box**            Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**            COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**            No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**            **PPM Chapter**  
**Trns-port**  
**Other**                      SDG 6.5, Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications**            Section 461

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0100    Structures

**Struct.**    **461-114- AB**                      **MULTI ROTATIONAL BEARING ASSEMBLY- EXPANSION**                      **EA**

- A = Operation
- 1 (Furnish & Install)
- B =
- 1 ( 1 - 250 Kips)
- 2 ( 251 - 500 Kips)
- 3 ( 501 - 750 Kips)
- 4 ( 751 - 1000 Kips)
- 5 (1001 - 1250 Kips)
- 6 (1251 - 1500 Kips)
- 7 (1501 - 1750 Kips)
- 8 (1751 - 2000 Kips)
- 9 ( ≥ 2001 Kips)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0461114 11	MULTIROTATIONAL BEARING ASSEMBLY EXPANSION,F&I, 1- 250KIPS	EA		1/1/2013	
0461114 12	MULTIROTATIONAL BEARING ASSEM EXP, F&I, 251- 500KIPS	EA		1/1/2013	
0461114 13	MULTIROTATIONAL BEARING ASSEM EXP, F&I, 501- 750KIPS	EA		1/1/2013	
0461114 14	MULTIROTATIONAL BEARING ASSEM EXP, F&I, 751- 1000KIPS	EA		1/1/2013	
0461114 15	MULTIROTATIONAL BEARING ASSEM-EXPANSION,F&I, 1000-1250KIPS	EA		1/1/2013	
0461114 16	MULTIROTATIONAL BEARING ASSEM-EXPANSION,F&I, 1251-1500KIPS	EA		1/1/2013	
0461114 17	MULTIROTATIONAL BEARING ASSEM-EXPANSION,F&I,1501-1750KIP	EA		1/1/2013	
0461114 18	MULTIROTATIONAL BEARING ASSEM-EXPANSION,F&I,1751-2000KIP	EA		1/1/2013	
0461114 19	MULTIROTATIONAL BEARING ASSEM-EXPANSION,F&I, >=2001KIPS	EA		1/1/2013	

**462- 2- AA POST TENSIONING TENDONS**

**Unit** LB; KG      **Accuracy** Pound; Kilogram      **PlanQuantity?** yes

**Notes**

**Details**

Refer to the Method of Measurement text within Section 462 of the specifications for weight per unit length quantity determinations (table). Post-tensioning tendons will be paid for at the Contract unit price per pound of steel tendon, completed and accepted.

Payment includes stressing and grouting/filling tendons, anchorage assemblies, testing, and lubricants, as described in the specifications.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-07: Concrete & Reinforcing Steel Comp & Cont.  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other** Normally requires SHOP DRAWINGS  
**Standards**  
**Specifications** Section 462

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 462- 2- AA POST TENSIONING TENDONS LB**

- AA =
- 11 (Superstructure Strand with Grout)
- 12 (Superstructure Bar with Grout)
- 13 (Substructure Strand with Grout)
- 14 (Substructure Bar with Grout)

- Items 21-24 available January 2016, unless otherwise approved by State Structures Office
- 21 (Superstructure Strand with Flexible Filler)
- 22 (Superstructure Bar with Flexible Filler)
- 23 (Substructure Strand with Flexible Filler)
- 24 (Substructure Bar with Flexible Filler)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0462 2 11	POST TENSIONING TENDONS, SUPERSTRUCTURE STRAND	LB		1/1/2013	
0462 2 12	POST TENSIONING TENDONS, SUPERSTRUCTURE BAR	LB		1/1/2013	
0462 2 13	POST TENSIONING TENDONS, SUBSTRUCTURE STRAND	LB		1/1/2013	
0462 2 14	POST TENSIONING TENDONS, SUBSTRUCTURE BAR	LB		1/1/2013	

---

**462- 3- ADDITIONAL POST-TENSIONING IN SEGMENTAL BOX SPAN**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation projects intended to strengthen span with the installation of additional post-tensioning. Show location in plans. Include a schedule of post tensioning tendons w/ quantity block in plans. Include a pay item notes as necessary to cover the work activity.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the computation book form.

**References**

**PPM Chapter**

**Trns-port**

**Other**

SDG 4.5

**Standards**

Index 21801, 21802, and 21803

**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 462- 3- ADDITIONAL POST-TENSIONING IN SEGMENTAL BOX SPAN EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**462- 20- A POST TENSIONING REPAIR**

**Unit** EA; LF; CF      **Accuracy** Each; Linear Foot; Cubic Foot      **PlanQuantity?** no

**Notes**

**Details**

NOT FOR USE ON NEW CONSTRUCTION. Details to be included in Tech Specs.  
 Tendon Inspection: Do not include repairs under this item, except for repair of inspection holes.  
 Anchorage Inspection: Do not include void repairs or pour backs under this item.  
 Tendon Repair Set-up: to be used every time a void is detected and is to cover the cost of installing injection and outlet points, preparing to fill void, and sealing of these areas after completion. Shop drawings may be required.  
 Replace Anchorage Protect Sys: Includes replacement of the tendon anchorage protect system  
 Repair External Ducts: Not for use to repair areas damaged while repairing voids.  
 Tendon Replace: Remove & replace complete tendons, including anchorage components, placement & stressing new tendon, grouting, inspection, and protection system.  
 Grout Tendon Voids: Includes installation & material, detailed in Tech Spec  
 Install Grout Ports: includes drilling and installing grout ports suitable for connection to grouting equipment.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

See Details Above  
 Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
 Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 462- 20- A POST TENSIONING REPAIR EA; LF; CF**

A=  
 1 (Tendon Inspection) LF

- 2 (Anchorage Inspection) EA
- 3 (Tendon Repair Set-up) EA
- 4 (Replace Anchorage Protection System) EA
- 5 (Repair External Tendon Ducts) LF
- 6 (Replace Tendon) LF
- 7 (Vacuum Grout Tendon Voids) CF
- 9 (Install Grout Ports) EA

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0462 20 1	POST TENSIONING REPAIR, TENDON INSPECTION	LF	T	1/1/2013	
0462 20 2	POST TENSIONING REPAIR, ANCHORAGE INSPECTION	EA	T	1/1/2013	
0462 20 4	POST TENSIONING REPAIR, REPLACE ANCHORAGE PROTECTION SYSTEM	EA	T	1/1/2013	
0462 20 5	POST TENSIONING REPAIR, REPAIR EXTERNAL TENDON DUCTS	LF	T	1/1/2013	
0462 20 6	POST TENSIONING, REPLACE TENDON	LF	T	1/1/2013	
0462 20 7	POST TENSIONING REPAIR, VACUUM GROUT TENDON VOIDS	CF	T	1/1/2013	
0462 20 9	POST TENSIONING REPAIR, INSTALL GROUT PORTS	EA	T	1/1/2013	



---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0465 1	MOVABLE BRIDGE - MECHANICAL EQUIPMENT	LS	T	1/1/2013	

---

**465- 2-ABB MOVABLE BRIDGE MACHINERY AND CASTINGS- REHAB**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** yes

**Notes**

**Details**

Intended for rehabilitation projects for bascule bridge machinery and castings. For new structures, the complete machinery system is included under 465- 1, LS. Contact C.O. Structures Design for boiler plate 465 Specification to be modified as required for project specifics.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

See Details Above  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct. 465- 2-ABB MOVABLE BRIDGE MACHINERY AND CASTINGS- REHAB Mixed**

- A= Operation
- 1 (Furnish & Install)
- 4 (Recondition)
- 5 (Adjust /Modify)
- 6 (Remove & Dispose) Note: Contractor takes ownership
- 7 (Remove & Stockpile/Salvage) Note: DOT/maintaining agency retains ownership
- 8 (Field Machining)

- BB= Equipment
- 01 (Speed Reducer And Gear Train) LS/LS
- 04 (Trunnion Assembly) EA

- 05 (Span Locks) AS
- 07 (Couplings) EA
- 08 (Live Load Shoes) LS/LS
- 10 (Flat Rack, Curved Rack, Flat Track) EA
- 11 (Hopkins Frame) EA
- 21 (Plain Journal Bearing) EA
- 22 (Spherical Bearing) EA
- 52 (Hydraulic Cylinder) EA
- 53 (Hydraulic Motor) EA
- 54 (Hydraulic Power Pack) EA
- 55 (Temporary Hydraulic System) EA
- 60 (Other Machinery Components) LS

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0465 2101	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I SPEED REDUCER & GEAR TRAIN	LS	T	1/1/2013	
0465 2105	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I SPAN LOCKS	AS	T	1/1/2013	
0465 2107	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I COUPLINGS	EA	T	1/1/2013	
0465 2108	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I LIVE LOAD SHOES	LS	T	1/1/2013	
0465 2110	MOVABLE BRIDGE MACHINERY & CASTING- BR REHABILITATION, F&I FLAT RACK, CURVED TRACK, FLAT TRACK	EA	T	1/1/2013	
0465 2111	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I HOPKINS FRAME	EA	T	1/1/2013	
0465 2154	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I HYDRAULIC POWER PACK	EA	T	1/1/2013	
0465 2155	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, F&I TEMPORARY HYDRAULIC SYSTEM	EA	T	1/1/2013	
0465 2160	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, FURNISH & INSTALL OTHER MACHINERY COMPONENTS	LS	T	1/1/2013	
0465 2401	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, SPEED REDUCER & GEAR TRAIN	LS	T	1/1/2013	
0465 2404	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, TRUNION ASSEMBLY	EA	T	1/1/2013	
0465 2405	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, SPAN LOCKS	AS	T	1/1/2013	
0465 2407	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, COUPLINGS	EA	T	1/1/2013	

0465 2408	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION,LIVE LOAD SHOES	LS	T	1/1/2013
0465 2410	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, FLAT RACK,CURVED RACK, FLAT TRACK	EA	T	1/1/2013
0465 2411	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, HOPKINS FRAME	EA	T	1/1/2013
0465 2452	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION,HYDRAULIC CYLINDER	EA	T	1/1/2013
0465 2453	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, HYDRAULIC MOTOR	EA	T	1/1/2013
0465 2454	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, HYDRAULIC POWER PACK	EA	T	1/1/2013
0465 2460	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, RECONDITION, OTHER MACHINERY COMPONENTS	LS	T	1/1/2013
0465 2505	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, ADJUST/MODIFY, SPAN LOCKS	AS	T	1/1/2013
0465 2508	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, ADJUST/MODIFY, LIVE LOAD SHOES	LS	T	1/1/2013
0465 2511	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, ADJUST& MODIFY,HOPKINS FRAME	EA	T	1/1/2013
0465 2554	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, ADJUST& MODIFY,HYDRAULIC POWER PACK	EA	T	1/1/2013
0465 2601	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE, SPEED REDUCER & GEAR TRAIN	LS	T	1/1/2013
0465 2605	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE- CONTRACTOR OWNS, SPAN LOCKS	AS	T	1/1/2013
0465 2607	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE- CONTRACTOR OWNS, COUPLINGS	EA	T	1/1/2013
0465 2608	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE- CONTRACTOR OWNS, LIVE LOAD SHOES	LS	T	1/1/2013
0465 2610	MOVABLE BRIDGE MACHINERY & CASTING- BR REHABILITATION, REMOV & DISPOSE, FLAT RACK/ CURVED TRACK/ FLAT TRACK	EA	T	1/1/2013
0465 2611	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE- CONTRACTOR OWNS, HOPKINS FRAME	EA	T	1/1/2013

---

0465 2654	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE- CONTRACTOR OWNS, HYDRAULIC POWER PACK	EA	T	1/1/2013
0465 2660	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & DISPOSE- CONTRACTOR OWNS, OTHER MACHINERY COMP	LS	T	1/1/2013
0465 2752	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, REMOVE & SALVAGE, HYDRAULIC CYLINDER	EA	T	1/1/2013
0465 2908	MOVABLE BRIDGE MACHINERY & CASTING- REHABILITATION, SHIMMING ONLY, LIVE LOAD SHOES - PUSH BUTTON/MAINT ONLY	AS	T	6/11/2014

---

**465- 3- AB      MOVABLE BRIDGE COUNTERWEIGHT**

**Unit** EA; TN; MT      **Accuracy** Each; Ton; Metric Ton      **PlanQuantity?** no

**Notes**

**Details**

Applies for either rehabilitation or new bridge projects. Intended for work items related to bascule bridge counterweights (balance calculations, balance blocks, steel ballast, transition slabs, sump pumps, bumper blocks). Steel ballast intended for bulk steel counterweight (transition slabs, steel plates). Show location & quantity block in plans. When using "Adjust" item, Tech Spec must clearly define method of measurement: adjustment of each bridge, leaf, or after specific operations.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

See Details Above  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**      SDG Chapter 8  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):**    0100      Structures

**Struct.    465- 3- AB      MOVABLE BRIDGE COUNTERWEIGHT      EA; TN**

- A= Operation
- 1 (Furnish & Install)
- 5 (Adjust) EA; for A=5, B=0
- 9 (Clean) Valid for B=6 only
- B= Item
- 1 (Fiberglass Pocket Cover) EA
- 2 (Sump Pump) EA
- 4 (Bumper Block) EA
- 6 (Pockets) EA
- 7 (Balance Blocks) EA
- 9 (Steel Ballast) TN

---

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0465 3 11	MOVABLE BRIDGE COUNTERWEIGHT, F&I, FIBER GLASS POCKET COVER	EA	T	1/1/2013	
0465 3 14	MOVABLE BRIDGE COUNTERWEIGHT, F&I, BUMPER BLOCK	EA	T	1/1/2013	
0465 3 16	MOVABLE BRIDGE COUNTERWEIGHT, F&I, POCKETS	EA	T	1/1/2013	
0465 3 17	MOVABLE BRIDGE COUNTERWEIGHT, F&I, BALANCE BLOCKS	EA	T	1/1/2013	
0465 3 19	MOVABLE BRIDGE COUNTERWEIGHT, F&I, STEEL BALLAST	TN	T	1/1/2013	
0465 3 50	MOVABLE BRIDGE COUNTERWEIGHT, ADJUST	EA	T	1/1/2013	
0465 3 96	MOVABLE BRIDGE COUNTERWEIGHT, CLEAN, POCKETS	EA	T	1/1/2013	

---

**465- 4- MOVABLE BRIDGE SPAN JACKING**

**Unit** LS/EA      **Accuracy** Each      **PlanQuantity?** no

**Notes**

**Details**

Intended for rehabilitation projects to jack bascule span off trunnion supports. Used in conjunction with trunnion reconditioning or bearing replacement. Tech Spec should include jacking procedure, and require that procedures and calculations be completed by a Florida Licensed Engineer.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities  
Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book  
Record final quantity on the tabulation sheet (plans) or computation form (comp book).

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**    **465- 4-**      **MOVABLE BRIDGE SPAN JACKING**      **LS/EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**465- 20- MOVABLE BRIDGE- PREVENTATIVE MAINTENANCE**

**Unit** LS/DA      **Accuracy** Lump Sum (Day)      **PlanQuantity?** no

**Notes**

**Details**

This item covers the cost of maintaining a movable bridge during construction.

Contact the Movable Bridge Section of the State Structures Design Office prior to use of this item. Specifications may be available.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities

Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 465- 20- MOVABLE BRIDGE- PREVENTATIVE MAINTENANCE LS/DA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0465 20	MOVABLE BRIDGE- PREVENTATIVE MAINTENANCE & ROUTINE REPAIR	LS	T	1/1/2013	

**465- 21- MOVABLE BRIDGE OPERATOR**

**Unit** DA                      **Accuracy** Day                      **PlanQuantity?** no

**Notes**

**Details**

This item covers the cost of furnishing a bridge tender during construction.

Contact the Movable Bridge Section of the State Structures Design Office prior to use of this item. Specifications may be available.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Record final quantity on the computation book form.

**References**

**PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

*TRNS\*PORT Category (DRAFT FIELD):* 0100 Structures

**Struct. 465- 21- MOVABLE BRIDGE OPERATOR DA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0465 21	MOVABLE BRIDGE OPERATOR	DA	T	1/1/2013	

**465- 22- MOVABLE BRIDGE- ON CALL OPENING**

**Unit** EA                      **Accuracy** Each                      **PlanQuantity?** no

**Notes**

**Details**

**Related Items**                      **Required**    **Recommended**

**Plan Summary Box**                      Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**                      COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
 Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

**References**                      **PPM Chapter**  
    **Trns-port**  
    **Other**  
    **Standards**  
    **Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*    0100    Structures

**Struct.**    **465- 22-    MOVABLE BRIDGE- ON CALL OPENING    EA**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

**465- 71- A      MOVABLE BRIDGE FUNCTIONAL CHECKOUT**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** yes

**Notes**

**Details**

Phase A to be used to test first-two leafs of a four leaf bascule, Phase B to be used for the Second-two leafs, and Phase C to be used for the complete bridge. Sometimes Phase C and Phase B are combined for simplicity. This item is required on all new bascule bridges and on all bascule bridge rehabilitation projects where the leaf operation, weight is being affected.

Where phasing is not required, only a single checkout (Phase C) is required.  
Contact State Structures Design for boiler plate 465 Specification to be modified as required for project specifics.

For Plan Detail/Tech Spec items: The Designer should ensure that the description, materials, construction/installation requirements, method of measurement and basis of payment are available in the contract documents to clearly define the work to be completed for payment under this item.

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities

Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**      SDG 8.7.19

**Standards**

**Specifications**

**T: Plan Details and/or Technical Specifications required**

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.**

**465- 71- A**

**MOVABLE BRIDGE FUNCTIONAL CHECKOUT**

**LS/LS**

A = See detail for Phasing  
1 (Phase A) for 1st 2 leaves  
2 (Phase B) for 2nd leaves  
3 (Phase C) for Complete

**Notes**

---

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0465 71 1	MOVEABLE BRIDGE FUNCTIONAL CHECKOUT, PHASE A	LS	T	1/1/2013	
0465 71 2	MOVEABLE BRIDGE FUNCTIONAL CHECKOUT, PHASE B	LS	T	1/1/2013	
0465 71 3	MOVABLE BRIDGE FUNCTIONAL CHECKOUT, PHASE C	LS	T	1/1/2013	

---

**470- 1- TREATED TIMBER, STRUCTURAL**

**Unit** MB; M3      **Accuracy** 1/10 Thou Board Measure; 1/10 Cubic Meter      **PlanQuantity?** yes

**Notes**

**Details**

Intended for the cost of treated structural timber. The quantity of timber to be based on the final width and thickness shown in the plans. When applicable, indicate in the plans the nominal size (2x6) and dressed dimension. Quantity is to be based on the dressed volume. For rough cut or "full sawn" sizes, the nominal size is the finished size and the basis of the quantity. Timber piles paid for under 455- 2-XXA. The board-foot measure is the unit of volume for measuring lumber. One board-foot measure is a 12-inch long 1-inch-by-12-inch volume. MB is per thousand board-foot measure.

Example calculation:

800' - 12X6 Rough Sawn =  $800 \times 12 \times 6 / 12,000 = 4.8$  MB

800' - 12X6 Dressed Lumber (Dressed 11 1/2" X 5 1/2") =  $800 \times 11.5 \times 5.5 / 12,000 = 4.2$  MB

**Related Items**

**Required**

**Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation

Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other** Structures Detailing Manual Chapter 12.

**Standards**

**Specifications** Section 470

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100

Structures

**Struct.** 470- 1-

**TREATED TIMBER, STRUCTURAL**

**MB**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0470 1	TREATED TIMBER, STRUCTURAL	MB		1/1/2013	

**470-Maint TREATED TIMBER AND FENDER SYSTEM  
Maintenance Contracts Only**

**Unit** Mixed      **Accuracy** Refer to item structure and details      **PlanQuantity?** ?

**Notes**      **Maintenance Item: Not Valid for Construction Contracts**

**Details**      MAINTENANCE CONTRACTS ONLY  
Additional BOE details pending

SEALING BOARDWALK: Ensure that the specs include "Payment will include the # of applications, per the manufacturer's recommendations" and "Payment is based on the plan quantity/walking surface of boardwalk area. All exposed surfaces, including handrails and support posts, will be sealed."  
For the payment, the simple Length x width of the walking area should be used, but the specs need to be clear that all exposed wood is to be treated.

**Related Items**      **Required**      **Recommended**

**Plan Summary Box**      Maintenance Item- No Form Required  
NA

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

**Construction Forms and Documentation**

**References**      **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards**  
**Specifications**

*TRNS\*PORT Category (DRAFT FIELD):*

**Struct.**    **470-Maint**      **TREATED TIMBER AND FENDER SYSTEM**      **Mixed**  
**Maintenance Contracts Only**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
E470 1 1	BOARDWALK, REMOVE AND REPLACE INC TREATED TIMBER, HARDWARE, LABOR & EQUIPMENT	BF		1/1/2013	
E470 1 2	BOARDWALK MAINTENANCE INC TREATED TIMBER, HARDWARE, LABOR & EQUIPMENT	BF		1/1/2013	

---

E470 1 3	BOARDWALK BOLT TIGHTENING ALL BOLTS PER BENT LOCATION	LO	1/1/2013
E470 1 4	BOARDWALK- WOOD SEALING	SY	1/1/2015
E470 75	TIMBER FENDER SYSTEM REPAIR INCLUDES REMOVAL/DISPOSAL OF DAMAGED MATERIALS	LF	1/1/2013
E470 75 1	FENDER SYSTEM FASTENING REPLACEMENT - GALVANIZED INCLUDES U- BOLT, CARRIAGE BOLTS AND COUPLING NUTS	EA	1/1/2013

---

**471- 1- A FENDER SYSTEM, PLASTIC MARINE LUMBER**

**Unit** MB; M3      **Accuracy** 1/10 Thou Board Measure; 1/10 Cubic Meter      **PlanQuantity?** yes

**Notes** **Specification changes were effective with the January 2012 letting; additional specification changes are effective July 2013 letting.**

**Details** DO NOT USE this item with pay item 471-3 Polymeric Fender System or FRP Materials.

This pay item is to be used for wales and dimensional lumber for fender systems using QPL Listed pile configurations. Refer to Instructions for Design Standards, Index 21900.

Through December 31, 2011 lettings: Plastic piling to be paid separately under Section 455 items.

Effective January 2012 letting: Polymeric Piles for Fender Systems will be paid under 471-2 item. Concrete Piles will be paid under 455-34-2.

Effective July 2013 letting: Refer to Structures Bulletin 12-14 for possible Contractor designed system.

\*\*\*\*\*

one board foot= one foot square by one inch thick; convert to thousand board foot for pay item.

Refer to Design Standards and Specifications for additional information.

**Related Items** **Required** 455- 37- a or 471- 2-      **Recommended**

**Plan Summary Box** Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation** COMP 700-050-03: Linear Measurement, Component Weight, Per Hour, Per Day or Per Each Computation and Continuation  
Locate in the plans. Summarize quantities by location in the computation book.

**Construction Forms and Documentation** No additional form required; use plans summary or comp book  
Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References** **PPM Chapter**  
**Trns-port**  
**Other**  
**Standards** Through December 2011: Index No. 21900 series: 21900, 21910, 21920, 21930

Effective January 2012: Index 21900 and 21930.

**Specifications** Section 471

<http://www.dot.state.fl.us/specificationoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100 Structures

**Struct.** 471- 1- A      **FENDER SYSTEM, PLASTIC MARINE LUMBER**      **MB**

A= Reinforcement  
1 (Reinforced)  
2 (non-reinforced)

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0471 1 1	FENDER SYSTEM,PLASTIC MARINE LUMBER,REINFORCED	MB		1/1/2013	
0471 1 2	FENDER SYSTEM,PLASTIC MARINE LUMBER, NON-REINFORCED	MB		1/1/2013	

**471- 2- FENDER SYSTEM, POLYMERIC PILES**

**Unit** LS/LS      **Accuracy** Lump Sum      **PlanQuantity?** yes

**Notes**

**Details**

DO NOT USE this item with pay item 471-3, Polymeric Fender System or FRP Materials.

This pay items is to be used for Fender Systems using QPL listed pile configurations, in accordance with the Instructions for Design Standards, Index 21900.

**Related Items**

**Required** 471- 1-      **Recommended**

**Plan Summary Box**

Summary of Structures Quantities, Bridge xxxxxx

*NOTE: Design Forms and Construction forms below are associated with Comp Book Projects. Refer to Chapter 8 for details.*

**Design Forms and Documentation**

COMP 700-050-05: Lump Sum Quantities

Use a quantity of 1, but calculations and computation book documentation must be to the second unit of measure. Locate or define the scope of work involved on the plans.

**Construction Forms and Documentation**

No additional form required; use plans summary or comp book

Final pay quantity will be PLAN QUANTITY with proper consideration for Specification tolerances.

**References**

**PPM Chapter**

**Trns-port**

**Other**      SDG 3.14

**Standards**      Index 21900 and 21930

**Specifications**      Section 471

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks>

**TRNS\*PORT Category (DRAFT FIELD):** 0100      Structures

**Struct.**    **471- 2-**      **FENDER SYSTEM, POLYMERIC PILES**      **LS/LS**

**Notes**

*The following items were open, as of the publication date. Refer to the Master Pay Item list for current items. Additional items may be opened upon request.*

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0471 2	FENDER SYSTEM,POLYMERIC PILES	LS		1/1/2013	



---

Item	Description	Unit	TSP/Detail	Valid Date	Obsolete Date
0471 3 1	POLYMERIC FENDER SYSTEM, LESS THAN OR EQUAL TO 40 KIP-FT	LS		7/1/2013	

---