

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: RSP 603-R-109 GATE BARRICADE is outdated and should not be an RSP. The last time the pay item was used was back in December 2017, and only 2 times in the past 10 years. The pay item has been used with a USP and without the RSP, and with a supplemental description. The RSP is not in proper format.

PROPOSED SOLUTION: Delete RSP 603-R-109

APPLICABLE STANDARD SPECIFICATIONS: N/A

APPLICABLE STANDARD DRAWINGS: N/A

APPLICABLE DESIGN MANUAL SECTION: N/A

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISIONS: N/A

PAY ITEMS AFFECTED: 603-01947 GATE BARRICADE can be deleted

APPLICABLE SUB-COMMITTEE ENDORSEMENT: N/A

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE:
N/A

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Novak

Title: State Construction Engineer

Division: Construction Management

E-mail: jnovak@indot.in.gov

Date: 8/1/23

IMPACT ANALYSIS REPORT CHECKLIST

*Explain the business case as to why this item should be presented to the Standards Committee for approval.
Answer the following questions with Yes, No or N/A.*

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? No

Customer satisfaction? No

Congestion/travel time? No

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? No

Will this item improve safety:

For motorists? No

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? No

Asset preservation? No

Design process? No

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? No

Can this item improve/reduce the number of potential change orders? No

Is this proposal needed for compliance with:

Federal or State regulations? No

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: Reduce website clutter and potential confusion when preparing estimates.

REVISION TO SPECIAL PROVISIONS

603-R-109 GATE BARRICADE (proposed to discontinue use)

603-R-109 GATE BARRICADE

(Revised 05-23-13)

This work shall consist of furnishing and placing a wooden gate barricade as shown on the plans or as otherwise directed.

The posts, bracing, and beam shall be fabricated from No. 2 dense stress rated grade yellow pine and pressure treated in accordance with 911.02. Posts, bracing, and beam shall be rough sawn timber cut and shaped as shown on the plans. Fasteners shall be galvanized with two washers per bolt. The steel collars shall have a corrosion resistant coating. The 10 ft chain shall be made from galvanized steel.

This work will be measured per each. This work will be paid for at the contract unit price per each for gate barricade. The costs of all labor, equipment, and necessary materials shall be included in the cost of this work.

COMMENTS AND ACTION

603-R-109 GATE BARRICADE

DISCUSSION:

	<u>Action:</u>
Motion:	
Second:	<input type="checkbox"/> Passed as Submitted
Ayes:	<input type="checkbox"/> Passed as Revised
Nays:	<input type="checkbox"/> Withdrawn
FHWA Approval:	
<hr/>	
2024 Standard Specifications Sections referenced and/or affected: 603 begin pg. 497	<input type="checkbox"/> 2026 Standard Specifications <input type="checkbox"/> Revise Pay Items List <input type="checkbox"/> Notification to Designers if change is <u>not</u> addressed by RSP
Recurring Special Provisions or Plan Details: 603-R-109 GATE BARRICADE	<input type="checkbox"/> Create RSP (No. __) Effective:
Standard Drawing affected: NONE	<input type="checkbox"/> Revise RSP (No. __) Effective:
Design Manual Sections affected: NONE	<input type="checkbox"/> Standard Drawing Effective:
GIFE Sections cross-references: NONE	<input type="checkbox"/> Create RPD (No. __) Effective:
	<input type="checkbox"/> GIFE Update <input type="checkbox"/> Frequency Manual Update <input type="checkbox"/> SiteManager Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: The basis of payment for foundation seal and excavation for foundation seal is lacking clarity. A recent claim on the subject brought this to the attention of Construction Management.

PROPOSED SOLUTION: Clarify the basis of payment language in 702.28 to account for an increased cofferdam size and a corresponding increased foundation seal size due to constructability concerns allowed for in 206.09. Also clarify the basis of payment language to account for payment of foundation seal and foundation seal excavation when it is added to a contract due to adverse dewatering site conditions.

APPLICABLE STANDARD SPECIFICATIONS: 702.28

APPLICABLE STANDARD DRAWINGS: N/A

APPLICABLE DESIGN MANUAL SECTION: 408-2.12

APPLICABLE SECTION OF GIFE: 5.6

APPLICABLE RECURRING SPECIAL PROVISIONS: N/A

PAY ITEMS AFFECTED: 702-51046 Concrete, Foundation Seal

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Ad Hoc of: Pete White, Don Shaw, Jacob Blanchard

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE:
All Contracts with the Cofferdam pay item (206-51235).

IMPACT ANALYSIS (attach report):

Submitted By: Joe Novak

Title: State Construction Engineer

Organization: INDOT

Phone Number: 317-501-7805

Date:

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? 206.09, 206.11

Will approval of this item affect the Approved Materials List? No

Will this proposal improve:

Construction costs? No

Construction time? No

Customer satisfaction? No

Congestion/travel time? No

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? No

Will this item improve safety:

For motorists? No

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? No

Will this change provide the contractor more flexibility? Yes

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? No

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: N/A

REVISION TO STANDARD SPECIFICATIONS

SECTION 702 - STRUCTURAL CONCRETE

702.28 Basis of Payment

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 702, BEGIN LINE 1353, DELETE AND INSERT AS FOLLOWS:

If a foundation seal is constructed as shown on the plans, it will be paid for at the contract price per cubic yard for concrete, foundation seal. ~~If ordered to be done, or allowed to be done~~ *a foundation seal is added to the contract due to adverse dewatering conditions in accordance with 702.20(f)*, payment will be made at a unit price per cubic yard equal to 75% of the contract unit price per cubic yard for class B concrete in footings *and the pay limits for foundation seal will extend to the inside face of sheeting as detailed on the approved cofferdam working drawings with no allowance for sheeting corrugation.*

~~Unless otherwise provided~~ *[moved to a separate paragraph]* The excavation for the foundation seal will be paid for at the contract unit price per cubic yard for the class of excavation specified for the footing. ~~If the foundation seal is constructed as shown on the contract plans,~~ the pay quantity for excavation for foundation seal will be equal to the theoretical volume bounded by the bottom of the proposed footing, the bottom of the approved excavation, and vertical planes 18 in. outside the neat line of the footing and parallel thereto, regardless of the quantity actually removed. ~~If design of the structure requires sheeting to be outside these limits, the limits will be extended to 6 in. beyond the neat lines required by the design of the structure. If the Contractor chooses to construct a rectangular cofferdam around a U-shaped abutment in lieu of following the outline of the footing, the maximum allowable increase in the pay quantity above the theoretical shall not exceed 25%. The pay quantity for the foundation seal will be equal to the excavation volume described above~~ *If a foundation seal is added to the contract due to adverse dewatering conditions in accordance with 702.20(f), the pay limits for excavation for foundation seal will extend to the inside face of sheeting as detailed on the approved cofferdam working drawings with no allowance for sheeting corrugation.*

If the planned cofferdam footprint is increased in size due to constructability concerns in accordance with 206.09, the maximum allowable increase in the foundation seal and excavation for foundation seal pay quantities above the original planned quantities will not exceed an additional 25%.

COMMENTS AND ACTION

702.28 Basis of Payment

DISCUSSION:

	<u>Action:</u>
Motion:	—
Second:	— Passed as Submitted
Ayes:	— Passed as Revised
Nays:	— Withdrawn
FHWA Approval:	—
2024 Standard Specifications Sections referenced and/or affected: 702 begin 618.	— 2026 Standard Specifications — Revise Pay Items List — Notification to Designers if change is <u>not</u> addressed by RSP
Recurring Special Provisions or Plan Details: NONE	— Create RSP (No. __) Effective:
Standard Drawing affected: NONE	— Revise RSP (No. __) Effective:
Design Manual Sections affected: NONE	— Standard Drawing Effective:
GIFE Sections cross-references: NONE	— Create RPD (No. __) Effective:
	— GIFE Update
	— Frequency Manual Update
	— SiteManager Update