

Georgia Department of Transportation
Office of Materials and Research

Standard Operating Procedure (SOP) 16
Inspection of Reinforcement Steel

I. General

This Standard Operating Procedure presents an outline of the responsibilities of fabricators and rolling mills intending to provide reinforcement steel for use on GDOT construction projects and the duties of Department personnel assigned to perform the required inspections. Fabricators of coated bars must also comply with Standard Operating Procedure (SOP) 26, "Inspection of Epoxy Coated Reinforcement Steel".

It is the function of the [Office of Materials and Research](#) Inspection Services Branch to certify that reinforcement steel delivered to GDOT construction projects meet specification requirements. The [Office of Materials and Research](#) publishes a list of all fabricators which have qualified under the program in accordance with this Standard Operating Procedure. This list is identified as [Qualified Products List \(QPL\) 12, "Reinforcement Steel Fabricators"](#). Additionally, all rolling mills which have qualified under the program are published on [Qualified Products List \(QPL\) 61, "Reinforcement Steel Rolling Mills"](#).

II. Acceptance

Each fabricator or rolling mill must qualify with the [Office of Materials and Research](#) to supply reinforcement steel under the following acceptance procedure. For a fabricator or rolling mill to be considered under this procedure it will be necessary to submit a written request to the Inspection Services Branch of the [Office of Materials and Research](#) to participate in our quality control and guarantee program. To qualify for the quality control and guarantee program the fabricator or rolling mill must comply with all of the following requirements.

A. [Yearly Guarantee](#)

Furnish the Inspection Services Branch of the [Office of Materials and Research](#) a notarized [yearly guarantee](#) that all reinforcement steel furnished to State of Georgia projects will meet the governing specification. A ["Yearly Certification and Guarantee"](#) is attached for your completion and submittal to the Department. The guarantee shall be sworn to for the fabricator or rolling mill by a person having legal authority to bind the company.

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B. Quality Control Procedure

Submit to the Inspection Services Branch of the [Office of Materials and Research](#) in writing an acceptable quality control procedure. This may consist of a report which documents the specific frequency and type of tests conducted as a quality control program. Each submission will be considered and reviewed in detail. The [Office of Materials and Research](#) reserves the right to withhold approval of any procedures judged to be inadequate for acceptable quality control.

C. [Qualified Products List \(QPL\) 61](#)

The Inspection Services Branch of the [Office of Materials and Research](#) must have on file a current acceptable quality control procedure for each rolling mill from which steel bars are to be received. This may consist of a report prepared and submitted to the Inspection Services Branch by the mill which documents the specific products evaluation techniques such as sampling frequency, type test conducted, method of identification of lots, etc., that are maintained by the mill as a quality control program. Each submission will be considered and reviewed in detail. The [Office of Materials and Research](#) reserves the right to withhold approval of any procedures judged to be inadequate for acceptable quality control. Approved rolling mills are listed on [Qualified Products List \(QPL\) 61, "Reinforcement Steel Rolling Mills"](#).

D. Certified Mill Test Reports

Furnish certified mill test report for every heat number representing material to be shipped to a Georgia project by the following procedures: Fabricator will furnish shipping report [form DOT 166](#) (copy attached) with corresponding certified mill test reports to the Inspection Services Branch of the [Office of Materials and Research](#). Approved rolling mills need not submit shipping report [form DOT 166](#).

E. Identifying Symbols

Attach company name or positive identifying symbol to each bundle prepared for shipment to a project in such a manner that it will be securely affixed to the bundle when received on the project.

F. Shipping Report [Form DOT 166](#)

Furnish shipping report [form DOT 166](#) to the Inspection Services Branch of the [Office of Materials and Research](#) within five (5) days after shipment (fabricators only).

G. Random Sampling by GADOT

Participation in program of quality control and guarantee does not negate the Department's privilege to take random samples from the fabricator's stock at least one each month.

III. Project Acceptance

As long as a fabricator appears on [Qualified Products List \(QPL\) 12](#), and his identifying company tags are on bundles received on the project, the Engineer may permit the Contractor to use the steel. Reinforcement steel received from fabricators or rolling mills not appearing on the [Qualified Products List](#) is not acceptable for use on GDOT construction projects and should be reported immediately to the Inspection Services Branch of the [Office of Materials and Research](#). All reinforcement steel will continue to be random sampled on the project in accordance with the Department's established procedures.

Georgene M. Geary, P.E.
State Materials and Research Engineer

Glenn W. Durrence, P.E.
Director of Construction

Annual Guarantee

This is to guarantee that all _____
(Type of Material)

furnished to State of Georgia projects by _____
(Company Name and Location)

during the next twelve (12) months will meet the appropriate governing requirements of the Georgia Department of Transportation Specifications. I further warrant that material furnished to State of Georgia Projects will be replaced without cost to the purchaser and State of Georgia when found not in conformity with any of the specified requirements. I accept full responsibility for determining the governing Specifications and details which apply to each order.

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I further warrant that all steel products shipped to Georgia Department of Transportation projects are made from domestic steel and iron and that no foreign billets are used directly in the manufacture of these products.

I _____ do hereby affirm that as _____
(Typed Name) (Official Title)

of _____ I am legally responsible to bind said
organization to
(Company Name)

the above warranty and certification.

Signed _____

Date _____

Notary Public _____

Date _____

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF MATERIALS AND RESEARCH**

Contract No. _____

Project _____

County _____

Date Shipped _____

REINFORCEMENT STEEL SHIPMENT REPORT

Rolled By: _____ Location _____

Fabricated By: _____ Location _____

Contractor _____ Grade _____

Bridge No. or Culvert	Heat Number	Bar Size	Pounds
Invoice Number		Total Weight	

Note: Attach certified mill reports for the above heat numbers.

I certify that the reinforcement steel covered by this report was fabricated to comply with the Georgia Department of Transportation Standard Drawings, Standard Specifications and/or plans.

Signed _____

_____ Title

Subscribed and sworn to before me, this _____

day of _____, 20 _____

_____ Notary Public