

Customer Reference Letters





PROJECT HARDANGER BRIDGE
LOCATION NORWAY
OPENED 2013
MAIN SPAN 1380 METRES



Statens vegvesen

Goodwin Steel Castings Ltd.
Ivy House Road, Hanlry
ST1 3NR Stoke on Trent

England
Att: Steve Birks

Behandlende enhet:
Region vest

Saksbehandler/innvalgsnr:
Asbjørn Valen - <tomt>

Vår referanse:
2010/011263-036

Deres referanse:

Vår dato:
29.08.2012

Rv7/rv13 Hardangerbrua, BRU-05 Saddles and Cable band Letter of recommendation

On request we hereby give Goodwin Steel Castings Ltd. the reference in respect of their supply performance on cable bands and saddles to the Hardanger bridge.

For the project Hardanger Bridge, a suspension bridge with 1310 m main span, Goodwin Steel castings Ltd., in contract with The Norwegian Public Roads Administration has delivered all the cable bands and saddles for this project.

The scope of delivery:

4 Pylon saddles made of cast steel grade GX3CrNi13-4+QT – EN 10213:2007. The bottom curved saddle groove is machined. Total weight 50 tonne.

4 Splay saddles made of cast steel grade GX3CrNi13-4+QT – EN 10213:2007. Saddles welded to a box made of carbon steel S355N – EN 10025-3. The bottom of the saddle box welded to a bearing of cast steel grade GX3CrNi13-4+QT – EN 10213:2007. The saddle groove is machined. Both the bottom and the walls of the saddle groove are curved. Total weight of splay saddles included saddle box, bearings and separator plates is 109 tonne. Saddle boxes are metallized and painted.

44 cable clamps (cable bands) made of cast steel grade G20Mn5+QT – EN 10213:2007. Cable clamps are partly machined. Total weight 16 tonne. Cable clamps are metallized and painted.

130 hanger clamps (cable bands) made of cast steel grade G20Mn5+QT – EN 10213:2007. Cable clamps are partly machined. Total weight 155 tonne. Hanger clamps are metallized and painted.

10 machined forged steel hangers of steel grade ASTM A182 F6NM. Total weight 7 tonne. Hangers are painted.

The contract to supply has been accomplished according to the specified quality.


The supply has been full filled in excellent co-operation.

The technical quality of the products are excellent

All the milestones for delivery on site were met.

The Norwegian Public Road Administration can give Goodwin Steel Castings Ltd the best recommendations for their supply performance on specify scope of delivery to the Hardanger bridge project.

Best Regards


Øivind L. Søvik
Projectmanager


Asbjørn Valen



PROJECT OAKLAND BAY BRIDGE
LOCATION CALIFORNIA, USA
OPENED 2013
MAIN SPAN 385 METRES



STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY

EDMUND G. BROWN, Jr., Governor

DEPARTMENT OF TRANSPORTATION

TOLL BRIDGE PROGRAM
325 BURMA ROAD
OAKLAND, CALIFORNIA 94607
PHONE (415) 310-4507



*Flex your power!
Be energy efficient!*

September 6, 2012

To Whom It May Concern:

By way of introduction, I Am the Toll Bridge Program Manager for the State of California Department of Transportation. Included in my responsibilities is management of construction of the new eastern segment of the San Francisco-Oakland Bay Bridge. The San Francisco-Oakland Bay Bridge is one of the busiest bridges in the world, carrying almost 280,000 vehicles each day – this bridge is the backbone of the Bay Area transportation network. Unfortunately, the existing eastern segment of the bridge is highly vulnerable to collapse in the event of a major earthquake, a virtual certainty in our seismically active area, and an event very likely to occur in the near future. The new bridge is being built to address this safety concern and is also being designed to the highest performance standard possible as it will be used as a lifeline connection to the Bay Area for the transportation of emergency relief equipment, supplies and personnel.

This places an unusually high value on both schedule and quality of the elements of the new bridge. This also results in extreme project complexity, particularly with respect to the cabling elements of the unique self-anchored suspension main span element (SAS) of the new bridge.

The cable bands for the suspender cables of the SAS were fabricated by Goodwin Steel Castings Ltd. Goodwin provided us with an exceptional product with respect to both key values – schedule and quality. They worked on a very collaborative basis (a very important factor), and almost all of their cable bands are now installed, performing well, and our project is actually ahead of schedule – a remarkable status for a project of this magnitude.

I greatly appreciate the work performed for us by Goodwin and highly recommend their work without reservation. I would be happy to discuss this with you if you have any follow-up questions.

Sincerely,

TONY ANZIANO
Toll Bridge Program Manager
TA:me

"Caltrans improves mobility across California"



PROJECT OAKLAND BAY BRIDGE
LOCATION CALIFORNIA, USA
OPENED 2013
MAIN SPAN 385 METRES



375 Burma Road
Oakland, CA 94607 USA
Phone 510-808-4600
Fax 510-808-4601

06-Sep-2012

ABF-GSC-LTR-000081

Mr. Brian Quinn
Goodwin Steel Castings, Ltd.
Ivy House Road
Stoke-on-Trent, Staffordshire ST1 3NR England

PROJECT: San Francisco Oakland Bay SAS Bridge Superstructure
Caltrans Contract No. 04-0120F4
ABF Job No. 660110

SUBJECT: SUPPLY AGREEMENT 660110-SA-011
LETTER OF APPRECIATION

Gentlemen:

American Bridge/Fluor Enterprises, Inc., A Joint Venture (ABFJV) wishes to express its appreciation and thanks to Goodwin Steel Castings, Ltd. for all of its efforts and professionalism to meet the delivery dates in the above Supply Agreement for the Cable Bands that make up an integral part of the Cable Works System for the Self Anchored Suspension Span of the San Francisco Oakland Bay Bridge Project.

As you are aware, the Cable Bands have been erected and the process of transferring the load from the temporary falsework system to the Cable Works System has commenced. ABFJV looks forward to the successful completion of this transferring of load to the Cable Works System within the next few months so that the performance of the Cable Bands fabricated by Goodwin Steel Castings, Ltd. can then be displayed.

We have enjoyed our working relationship with Goodwin Steel Castings, Ltd. these past many years.

Sincerely,

AMERICAN BRIDGE/FLUOR ENTERPRISES, INC. A JOINT VENTURE

Brian A. Petersen
Project Director

File: 04.11.4

ABF Building San Francisco Bay's New Signature Suspension Bridge



PROJECT JIANGYIN BRIDGE
LOCATION CHINA
OPENED 1997
MAIN SPAN 1386 METRES



Kvaerner Cleveland Bridge

Our ref: 190/DJC/PR/LAN

30 June 1998

Goodwin Steel Castings Limited
Ivy House Foundry
Hanley
Stoke-On-Trent ST1 3NR

For the attention of: Mr Richard Goodwin

Dear Richard,

RE : CABLE BANDS - JIANGYIN BRIDGE, CHINA

I would like to take the opportunity to congratulate your project team involved in the manufacture of the cable band castings for our Jiangyin Bridge Project.

As you are aware, the last ship sailed on 29 June 1998 which completes the delivery of all cable bands to contract.

It is a credit to all, that this, and all previous ships have been to programme, the record of achievement is excellent.

May I also acknowledge the co-operation, technical support and professional manner in which business has been conducted throughout.

Thank you once again for a most satisfactory product and I wish your team similar success in future projects/contracts.

Yours sincerely,
For and on behalf of Kvaerner Cleveland Bridge Limited

Peter Robinson
UK PROJECT MANAGER

KVÆRNE

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