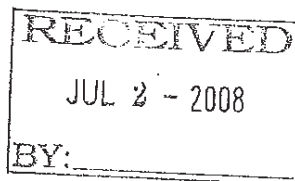


DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
MATERIALS ENGINEERING AND TESTING SERVICES
TRANSPORTATION LABORATORY—MS 5
5900 FOLSOM BOULEVARD, ROOM 101
SACRAMENTO, CA 95819-4612
E-MAIL: <rosme_aguilar@dot.ca.gov>
PHONE: (916) 227-7253
FAX: (916) 227-7117
TTY: 711



*Flex your power!
Be energy efficient!*



June 24, 2008

Claudio Hunger, P.E.
Project Engineer
AVAR-SAS
47375 Fremont Boulevard
Fremont, CA 94538

Dear Mr. Hunger:

The California Department of Transportation's (Department) received your prequalification submittal dated June 4, 2008 for AVAR-SAS Grade 150 threaded bars, 1 ¼" and 1 7/8" in diameter for post-tensioning anchorage applications, tieback anchors, tiedown anchors, and micropiles. The Department tested these systems on June 10, 2008 at the Structural Materials Testing Laboratory.

Based on the Department's review of the submittals, including calculations, technical materials data, previous testing results, and the Department's test results, we pre-qualify the use of AVAR-SAS Grade 150 threaded bars, 1 ¼" and 1 7/8" in diameter, as a post-tensioning system with the following components:

Threaded Bars: ASTM A 722, Grade 150. 1 ¼" and 1 7/8" diameters. Drawing No. WR-1.

Nuts: CTS – 32/150-H Hex Nut, Cast. ASTM 4140, Grade 150. Drawing No. CTS – 32/150-H HEX NUT, CAST.

CTS - 47/150-H Hex Nut, Cast. ASTM 4140, Grade 150. Drawing No. CTS - 47/150-H HEX NUT, CAST.

Couplers: CTS – 32/150-H Coupler, Cast. ASTM 4140, Grade 150. Drawing No. CTS – 32/150-H COUPLER, CAST.

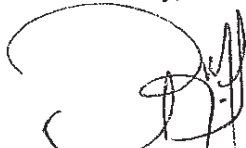
CTS – 47/150-H Coupler, Cast. ASTM 4140, Grade 150. Drawing No. CTS – 47/150—H, COUPLER, CAST.

The approval of the above system is contingent upon satisfactory field performance and compliance with all contract requirements.

If you have any questions regarding these anchorage systems, please feel free to call me at 916-227-7253.

Mr. Claudio Hunger, P.E.
June 24, 2008
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read 'ROSME AGUILAR', with a large, stylized initial 'R'.

ROSME AGUILAR, P.E.
Chief
Structural Materials Testing Laboratory
Office of Structural Materials

c: Frank Chavez, Structural Materials Testing Laboratory
Francisco Romero, Structural Materials Testing Laboratory
File: Steel-Prestressing-Anchor Assembly Approval

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
MATERIALS ENGINEERING AND TESTING SERVICES
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*Flex your power!
Be energy efficient!*

October 6, 2008

Claudio Hunger, P.E.
Project Engineer
AVAR-SAS
47375 Fremont Boulevard
Fremont, CA 94538

Dear Mr. Hunger:

The California Department of Transportation's (Department) received your prequalification addendum submittal dated August 5, 2008 for AVAR-SAS Grade 150 threaded bars 1"(26.5mm), 1 3/8"(36mm), and 1 5/8"(40mm) in diameter for post-tensioning anchorage applications, tieback anchors, tie-down anchors, and micropiles. The Department tested these systems on October 2, 2008 at the Structural Materials Testing Laboratory.

Based on the Department's review of the submittals, technical materials data, previous testing results, and the Department's test results, we pre-qualify the use of AVAR-SAS Grade 150 threaded bars 1"(26.5mm), 1 3/8"(36mm), and 1 5/8"(40mm) in diameter, as a post-tensioning system with the following components:

Threaded Bars: ASTM A 722, Grade 150. 1", 1 3/8", and 1 7/8" diameters. Drawing No. WR-1.

Nuts: CTS-26/150-H Hex Nut, Cast. ASTM 4140, Grade 150. Drawing No. CTS-26/150-H HEX NUT, CAST.

CTS-36/150-H Hex Nut, Cast. ASTM 4140, Grade 150. Drawing No. CTS-36/150-H HEX NUT, CAST.

CTS-40/150-H Hex Nut, Cast. ASTM 4140, Grade 150. Drawing No. WR 2002-40.

Couplers: CTS-26/150-H Coupler, Cast. ASTM 4140, Grade 150. Drawing No. CTS-26/150-H COUPLER, CAST.

CTS-36/150-H Coupler, Cast. ASTM 4140, Grade 150. Drawing No. CTS-36/150-H, COUPLER, CAST.

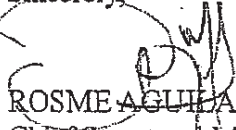
CTS-40/150-H Coupler, Cast. ASTM 4140, Grade 150. Drawing No. WR 3003-40.

October 6, 2008
Page 2

The approval of the above system is contingent upon satisfactory field performance and compliance with all contract requirements.

If you have any questions regarding these anchorage systems, please feel free to call me at 916-227-7253.

Sincerely,



ROSME AGUILAR, P.E.
Chief Structural Materials Testing Branch
Materials Engineering and Testing Services
Office of Structural Materials

c: Glen Weldon, Structural Materials Testing Branch
Francisco Romero, Structural Materials Testing Branch
File: Steel-Prestressing-Anchor Assembly Approval