

# MEMORANDUM

# State of Alaska

Department of Transportation & Public Facilities  
Design and Engineering Services – Southcoast Region  
Preconstruction / Design

TO: Charlie Deininger  
Chief Contracts Officer

DATE: July 30, 2015

THRU: Robert A. Campbell  
Regional Director

TELEPHONE NO: 465-8189

THRU Vanda Randolph *WR*  
SE Region Contracts Officer

FAX NUMBER: 465-4414

FROM: James Brown, P.E.  
Engineering Manager

SUBJECT: Approval to Utilize Tensar  
Triaxial Geogrid TX160 on SGY  
Klondike Highway Milepoint 4-5  
Repairs Project

The upcoming Skagway Klondike Highway Milepoint 4-5 Repairs Project (68480) intends to specify the use of Tensar Triaxial Geogrid TX 160.

A public interest finding was prepared that outlines the reasons for the use of the Tensar Triaxial Geogrid TX 160 on this project. As outlined in the Public Interest Finding, we believe that it is in the State's best interest for the specification of the Tensar product and that this request is in accordance with 23 CFR 635.411 and as required by Policy and Procedure 10.02.013.

By signing below, the parties agree that the use of Tensar Triaxial Geogrid TX 160 is in the State's best interest.

Recommended:

*for* *Chuck Gues* *7/30/15*  
Robert A. Campbell, Regional Director Date

Approved:

*Charlie Deininger* *8/6/15*  
Charlie Deininger, Chief Contracts Officer Date

**PUBLIC INTEREST FINDING**  
**68480 SGY – Klondike Highway Milepoint 4-5 Repairs**  
**Skagway, Alaska**

Introduction

This Public Interest Finding is to allow the Department of Transportation & Public Facilities to use the patented Tensar Triaxial Geogrid TX 160 on the SGY Klondike Highway Repairs project.

Purpose:

The intent is to use Tensar Triaxial Geogrid TX 160 with the previously referenced project. Triaxial geogrid can achieve higher tensile strengths than a biaxial grid. A triangular system, such as that achieved with the triaxial grids, is stronger than a square or rectangular system achieved with biaxial grids. The distribution of forces is spread over three axes, increasing the performance capability of the system. This increased performance is required to mitigate the effects of heavily loaded ore trucks travelling across areas with identified unstable subsurface soils. Use of TX160 provides a low cost, easily constructed solution to this problem. The State researched other geogrid manufacturers and did not find another product that will perform to the standards of the Tensar Triaxial Geogrid TX 160.