

COLORADO DEPARTMENT OF TRANSPORTATION

PROPRIETARY ITEM – CERTIFICATIONS OR FINDING IN THE PUBLIC INTEREST (FIPI)

PROPRIETARY ITEM OR PROCESS:

Name of proprietary item or process:	Manufacturer name, address & phone No.:
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JUSTIFICATION:

I hereby certify that it is in the public interest to specify the above named proprietary item or process for the following reasons: (Check all that apply)

<input type="checkbox"/> It is essential for synchronization.(Certification only)	<input type="checkbox"/> No equally suitable alternative exists (Certification only)
<input type="checkbox"/> It will be used for research or experimental purposes on short sections of road. <div style="border: 1px solid red; padding: 2px; display: inline-block; color: red;">Used on limited area of ROW restoration.</div>	<input type="checkbox"/> It is in the public interest not to allow any other products even though other equally acceptable materials or products are available.

JUSTIFICATION (required). Justification consists of information that documents the reasons marked above for use of the proprietary item or process. For research or experimentation include a work plan that describes how the research or experimental feature will be used and evaluated. Attach additional pages and documentation as necessary.

NEED FOR PROPRIETARY ITEM (Check only one):	Project Specific <input type="checkbox"/>	Region-Wide <input type="checkbox"/>	Statewide <input type="checkbox"/>
	Approved by the Resident Engineer	Approved by the Program Engineer and FHWA	Approved by the Branch Manager and FHWA

APPROVED BY:

Name	Title (CDOT Resident Engineer, Program Engineer, or Branch Manager)	Signature	Date
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COPIES OF FORM TO (as appropriate):

CDOT Project Engineer	CDOT Resident Engineer:
CDOT Program Engineer:	CDOT Research Engineer:
CDOT Standards and Specifications Engineer (all, FIPI with draft of any required specification change):	CDOT Branch Manager

NutraFix patented soil amendment FIPI justification and evaluation methodology

Attachment to CDOT's Form 1381

March 12, 2021

The design team for the SH7 Lower Permanent Flood Repair Project (ER 007A-023, 20252) is asking to specify by name the patented soil amendment NUTRAFIX for the project. This is in response to a request by the USFS to consider using the product to evaluate its effectiveness to promote perennial grasses that will outcompete cheatgrass along the corridor. The composition of biogeochemical nutrients makes this product unique for restoration projects and there are no other formulation on the market at this time taking this innovative new approach.

In partnership with the Forest Service Plant Ecologist, the project is proposing to use NutraFix in a side-by-side revegetation plots strategically located within the ground disturbances for the highway and drainage improvements. The research plots will be monitored for at least three years post construction for the products effectiveness in controlling cheatgrass after a major land disturbance. The restoration monitoring plan will include species composition transects and yearly analytical testing of the topsoil's agronomic values to evaluate nutrient cycling and organic matter.