**Domestic Scan Proposal Form**

AASHTO is now soliciting proposals for a **Calendar Year 2019 US Domestic Scan Program** (NCHRP Panel 20-68A).

Selected scan topics will be investigated by one of three ways: (type 1) site visits to three to six locations for approximately a two week period or less, by webinar; (type 2) peer exchange; or (type 3) conducted by a group of eight to 12 transportation professionals with expertise in the selected topic area. Proposed topics should meet the following criteria:

* Address an important and timely need for information by transportation agencies;
* Are of interest to a broad national spectrum of people and agencies;
* Are complex and also “hands-on,” meaning they lend themselves particularly well to exploration through on-site visits; and
* Are sufficiently focused that the tour participants are able to investigate and understand key issues in the limited time available on the tour.

Before submitting your proposal it is highly recommended that you read [**What Makes a Good Scan Topic Proposal**](http://www.domesticscan.org/what-makes-a-good-scan-topic-proposal)[**http://www.domesticscan.org/what-makes-a-good-scan-topic-proposal**](http://www.domesticscan.org/what-makes-a-good-scan-topic-proposal)

This form is designed to collect the full length of your proposal. Sections requiring essays have unlimited space for you to use. Contact information has some limited text. ***Use your TAB🡪 key to advance to the area where you need to complete information.***

**Proposals should be returned no later than SEPTEMBER 28, 2018.**

**IMPORTANT NOTE on How to save your document**: ***LastNameFirst Initial, underscore\_Organization Acronym \_CY2019.***

***Saved Document Name Example: NgetheP\_AASHTO\_CY2019***

***If you have more than one, add a number after first initial: NgetheP1\_AASHTO\_CY2019***

**Domestic Scan Proposal Contact Information**

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| Name | Brian Hinman | Address | 7177 Opportunity RoadSan Diego, CA. 92111 |
| Title | Acting Office Chief OGDS | E-mail | brian\_hinman@dot.ca.gov |
| Member Department | California Department of Transpotation | Telephone number | 858-467-4051 |
| AASHTO Committee |       | Date of submission | 9/6/2018 |

**Title of Proposed Scan****:** Pile Tip Grouting Of Deep Foundations

**Problem Statement** (What topic is to be examined? What drives the need for the scan? Why now?)

What success are other DOT's experiencing with pile tip grouting to improve capacity of deep piles placed under adverse tip conditions? The scan would be useful to reduce projects cost for foundations placed under difficult conditions. Ever bigger bridges result in bigger loads and deeper foundations into adverse soils. Numerous bridge replacements are planned at sites with difficult geotechnical conditions.

**Scan Scope** (What specific subject areas are to be examined? Which cities and states might be visited? Which agencies/organizations (including specific departments or types of staff if applicable)?

Deep foundations in geographic areas featuring weak alluvial sediments at rivers, estuaries, lagoons, bays. Coastal states. State DOT's. Geotechnical staff, structure design staff, structure construction staff.

**Anticipated Scan Results** (What key information is to be gained? What information is to be shared after the scan? Who would the audience be for this information?)

Practice of means and methods of pile tip grouting. Practice of plans and specifications. Resistance data that can be used in pile design.

**Benefits Expected** (Including potential impacts on current technology or procedures)

Allow more design and construction alternatives. Provide more buildable foundation strategy. Recuced foundation costs.