

Arizona Department of Transportation

Environmental Planning Pre-approved Mitigation Measures

Clean Water Act

– Contractor	▪ The contractor shall develop a containment plan for debris and construction materials to avoid contamination of [<i>wash, river, creek name</i>]. The containment plan shall be approved by the Engineer prior to construction.	Work will occur over (e.g., bridge) but not in the Waters of the United States in lieu of Section 404 permit.
– Contractor	▪ The contractor shall comply with all terms and conditions of the attached Clean Water Act Section 404/401 permit and certification.	To be used only if there is a 404/401 permit/certification associated with the project.

Historic Preservation

Responsibility	Mitigation Measure	When Used
– Contractor	▪ The contractor shall contact the ADOT Environmental Planning Historic Preservation Team (602.712.7767 or 602.712.2343) at least 10 (ten) business days prior to the start of ground-disturbing activities to arrange for a qualified archaeologist to flag avoidance areas.	Flagging needed
– Contractor	▪ The contractor shall avoid all flagged and/or otherwise designated sensitive resource areas within or adjacent to the project area.	Flagging needed
– Contractor	▪ The contractor shall contact the ADOT Environmental Planning Historic Preservation Team (602.712.7767 or 602.712.2343) at least 10 (ten) business days prior to the start of ground-disturbing activities to arrange for qualified personnel to monitor and be present during construction.	Monitoring needed

Hazardous Materials

Lead-Based Paint

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> - ADOT District - LPA 	<ul style="list-style-type: none"> ▪ No _____ (state the activity that will disturb the paint, such as: milling activities, bridge work, pavement marking obliteration, drainage structures removal, etc.) will occur until the Lead-Based Paint Removal and Abatement Plan is approved and implemented. 	Lead-based paint present and paint being removed or disturbed at or greater than 0.5%
<ul style="list-style-type: none"> - Contractor 	<ul style="list-style-type: none"> ▪ For [pavement striping obliteration, bridge work, guardrail work, etc.]: ▪ An approved contractor shall develop and implement a Lead-Based Paint Removal and Abatement Plan for the removal of the lead-based paint, Toxicity Characteristic Leaching Procedure testing of the generated waste stream, and proper disposal of the waste stream derived from the removal of the [state where the lead-based paint is found, such as yellow pavement striping, white pavement striping, pavement striping, paint on bridge rail] within the project limits. The contractor shall select a lead abatement contractor that meets the qualification requirements specified within the special provisions and as approval by the Engineer. The contractor shall follow all applicable federal, state, and local codes and regulations, including <i>Arizona Department of Transportation Standard Specifications for Road and Bridge Construction (2008 Edition)</i>, related to the treatment and handling of lead-based paint. ▪ The contractor shall submit a Lead-Based Paint Removal and Abatement Plan for the removal of [state where the lead-based paint is found, such as yellow pavement striping, white pavement striping, paint on bridge rail, etc] within the project limits to the Engineer and the Arizona Department of Transportation Environmental Planning hazardous materials coordinator (602.920.3882 or 602.712.7767) for review and approval at least 10 (ten) working days prior to [state the activity that will disturb the paint, such as: milling activities, bridge work]. ▪ No [state the activity that will disturb the paint, such as pavement marking obliteration, bridge work,] shall occur until the Lead-Based Paint Removal and Abatement Plan is approved by the Arizona Department of Transportation Environmental Planning hazardous materials coordinator and implemented. ▪ Visible fugitive dust emissions from paint removal shall be controlled through wet or dry (e.g., vacuum) means during the removal process. If the liquid waste stream generated by a water-blasting obliteration method passes the Toxicity Characteristic Leaching Process analysis, it may be used as a dust palliative or for compaction on the project. If the water is not used on the project, it shall be properly disposed of in accordance with all applicable federal, state, and local regulations. 	Lead-based paint present and paint striping being obliterated or paint being removed from bridge or guardrail

Responsibility	Mitigation Measure	When Used
– Contractor (LPA only projects)	<ul style="list-style-type: none"> ▪ No pavement marking obliterations shall occur until the existing pavement markings are tested for lead based paint, and if present, a Lead-Based Paint Removal and Abatement Plan is approved by the Arizona Department of Transportation Environmental Planning hazardous materials coordinator and implemented. 	Marking obliteration will occur, but no lead - based testing is done prior to bid.
– Contractor	<ul style="list-style-type: none"> ▪ The contractor shall not utilize any abrasive tools or methods for the removal of the cattle guards that would disturb the lead-based paint. This includes, but is not limited to, sawing, grinding, sanding, or heating. Woven straps (not linked chains) may be used to lift the cattle guard grate from the frame. 	Cattle guard or drainage grates that contain lead based paint will be removed.
– Contractor	<ul style="list-style-type: none"> ▪ For milling activities, the roadway surface preceding the milling machine shall be kept sufficiently wet so as to prevent the generation of any visible fugitive dust particles, but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder. 	All milling projects

NESHAP

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> - Contractor - ADOT District - LPA 	<ul style="list-style-type: none"> ▪ The contractor shall complete a National Standards for Hazardous Air Pollutants (NESHAP) notification for the work associated with (<i>what triggered the NESHAP notification</i>) and submit to the Engineer, who shall submit it to the Arizona Department of Transportation environmental planning hazardous material coordinator (602.920.3882 or 602.712.7767) for a five (5) working day review and approval. Upon approval, the contractor shall file the notification with (<i>identify the regulatory agency[ies]</i>) at least ten (10) working days prior to the commencement of work associated with (<i>what triggered the NESHAP notification</i>) 	<p>If load-bearing structure to be affected, regardless of whether asbestos is found, (does not include cattle guard)</p> <p>If “NESHAP notification is required insert the appropriate agency if located in Pinal, Pima, or Maricopa; choose that agency. If not located in those counties insert ADEQ. If on tribal land; insert EPA. If on Navajo Nation or Tohono O’odham insert EPA and NN or TON.</p>

Asbestos

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> - ADOT District - LPA 	<ul style="list-style-type: none"> ▪ No [<i>state the activity that will disturb the asbestos or asbestos-containing material that is being done to trigger this notification</i>] will be allowed to occur until the Asbestos Removal and Disposal Plan is approved by the Arizona Department of Transportation Environmental Planning hazardous materials coordinator. 	Asbestos present
<ul style="list-style-type: none"> - ADOT Design - LPA 	<ul style="list-style-type: none"> ▪ The project manager will contact the Arizona Department of Transportation Environmental Planning hazardous materials coordinator (602.920.3882 or 602.712.7767) 30 (thirty) days prior to bid advertisement to determine the need for additional site assessments and confirm that the asbestos report is still valid. 	All Maricopa County projects with an asbestos report

Responsibility	Mitigation Measure	When Used
– Contractor	<ul style="list-style-type: none"> ▪ An approved contractor shall develop and implement an Asbestos Removal and Disposal Plan for the removal of the asbestos or asbestos-containing material from the [<i>state the activity that will disturb the asbestos or asbestos-containing material that is being done to trigger this notification</i>]. The plan shall be submitted to the Arizona Department of Transportation Environmental Planning hazardous materials coordinator (602.920.3882 or 602.712.7767) and Engineer for review and approval at least 10 (ten) working days prior to implementation. The contractor shall select an asbestos abatement contractor that meets the qualification requirements specified within the special provisions and as approval by the Engineer. The contractor shall follow all applicable federal, state, and local codes and regulations, including <i>Arizona Department of Transportation Standard Specifications for Road and Bridge Construction (2008 Edition)</i>, related to the treatment, handling, and disposal of asbestos. 	Asbestos present
– Contractor	<ul style="list-style-type: none"> ▪ No [<i>state the activity that will disturb the asbestos or asbestos-containing material that is being done to trigger this notification</i>] shall occur until the Asbestos Removal and Disposal Plan is approved by the Arizona Department of Transportation Environmental Planning hazardous materials coordinator and implemented. 	Asbestos present

Construction Partnering

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA 	<ul style="list-style-type: none"> ▪ The Engineer will contact the Arizona Department of Transportation (<i>archaeologist, hazardous materials coordinator, biologist, etc.</i>) (team leader phone or 602.712.7767) to schedule the _____ (<i>preconstruction meeting or partnering meeting</i>) on a mutually agreeable date to ensure a qualified Environmental Planning representative will be available to attend the meeting. 	Only as needed for flagging/monitoring

Avoidance Areas

Responsibility	Mitigation Measure	When Used
– Contractor	<ul style="list-style-type: none"> ▪ The contractor shall avoid all flagged and otherwise designated sensitive resource areas within or adjacent to the project area. 	Flagging needed
– Contractor	<ul style="list-style-type: none"> ▪ All project activities, vehicles and construction equipment, within the project area shall be limited to the existing pavement, pullouts and side roads. 	Certain Pavement preservation, pavement marking projects