

Statewide - Structural Inspection of State Owned Facilities **FY2013 Request:** **\$300,000**
Reference No: **33855**

AP/AL: Allocation **Project Type:** Health and Safety
Category: Health/Human Services
Location: Statewide **House District:** Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40) **Contact:** Pat Kemp
Estimated Project Dates: 07/01/2012 - 06/30/2017 **Contact Phone:** (907)465-3900
Appropriation: Safety

Brief Summary and Statement of Need:

This appropriation will support the Department of Transportation & Public Facilities' (DOT&PF) compliance with AS 35.10.050's requirement to examine existing public buildings and report on their condition. Many of DOT&PF's buildings are approaching the end of their design life and will require either renovation and/or replacement. This funding will provide for inspection and reporting on facilities that DOT&PF has concerns about the building's structural integrity. This will identify the scope of any structural deficiencies and allow for the prioritization of future work on these facilities.

Funding:	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>Total</u>
Gen Fund	\$300,000						\$300,000
Total:	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2002 - \$200,000.

Project Description/Justification:

This funding will cover structural analysis on 50 buildings identified as presenting a high level of risk of failure. The estimated cost for inspecting all 610 buildings in our inventory is \$9,520,000. This project will cover inspections on the 50 buildings identified as having the highest risk of catastrophic failure. Inspections consist of field visits and a structural analysis of each facility. Most of the high-risk buildings are very old and the structural documents, such as as-built drawings and blue prints are no longer available. We will search for any available documents to determine what materials may have been used during construction prior to field trips. The field inspection team will include one structural engineer and one environmental engineer. Asbestos components are expected in much of the fire proofing, sheetrock, and insulation of many of the oldest buildings. Location of any asbestos or other hazardous construction materials will necessitate proper abatement procedures prior to complete inspection. Partial deconstruction for visual inspection of structural members, such as beams, studs, and joists will require patching or reconstruction to repair inspection damage. It may be necessary to take core samples of any concrete components, however most of the components are expected to be steel. The structural connections (belts and straps) will also be examined for stability and integrity. As-built measurements and documentation will be included in the field site inspections. After field

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examinations are completed, the information and measurements will be analyzed. Using standard engineering/architectural calculations, snow, wind and seismic loads will be determined for each building as it now stands. Scope and cost estimates for needed structural repairs will then be made.

This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.