



DEPARTMENT OF THE ARMY
MISSISSIPPI VALLEY DIVISION, CORPS OF ENGINEERS
P.O. BOX 80
VICKSBURG, MISSISSIPPI 39181-0080

REPLY TO
ATTENTION OF:

CEMVD-PD-N

1 November 2011

MEMORANDUM FOR Commander, New Orleans District

SUBJECT: Southern University Campus Road, Baton Rouge, Louisiana
Continuing Authorities Program (CAP), Section 14 Review Plan (RP)
Approval

1. References:

a. Memorandum, CEMVN-PM-B, 12 October 2011, subject: CAP
Section 14 Southern University Campus Road, Southern University,
Baton Rouge, Peer Review Plan.

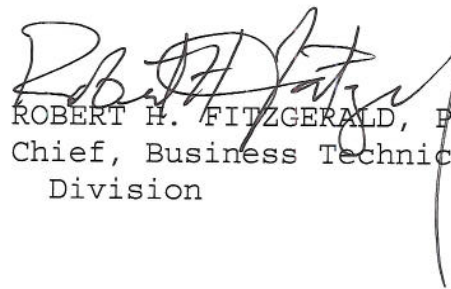
b. Memorandum, CEMVD-PD-KM, 5 April 2011, subject: MVD
Review Procedures for CAP.

2. The subject RP and supporting checklist provided under
Reference 1.a above, was reviewed on receipt in our office. The
enclosed RP is approved for use.

3. Minor format changes were made and included in the enclosed RP
to conform to the CAP Model RP approved under Reference 1.b,
above. The Project Manager should post the RP to the District web
pages.

4. The MVD points of contact are Mr. James Wojtala, CEMVD-PD-N,
(601) 634-5931 and Mr. Allen Perry, CEMVD-RB-T, (601) 634-5883.

Encl


ROBERT H. FITZGERALD, P.E.
Chief, Business Technical
Division



REPLY TO
ATTENTION OF

CEMVN-PM-B

DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

1 2 OCT 2011

MEMORANDUM FOR Commander, Mississippi Valley Division (MVN-DST/R. Wilbanks)

SUBJECT: CAP Section 14 Southern University (SU) Campus Road, Southern University,
Baton Rouge –Peer Review Plan

1. The subject Mississippi Valley Division (MVD) CAP Review Plan (encl 1) and Review Plan Checklist (encl 2) are hereby submitted for review and approval.
2. The Review Plan and Review Plan Checklist follow the MVD Model Review Plan for CAP Section 14 projects in accordance with the Director of Civil Works' Policy Memorandum #1, 19 January 2011, and the MVD Review Procedures for CAP Memorandum, dated 5 April 2011.
3. Due to the limited scope of the SU Campus Road CAP Section 14 project (total project costs will not exceed \$1,500,000), this project is not likely to have significant economic, environmental, and/or social effects to the Nation. Therefore, Type II IEPR is not anticipated.
5. I recommend that this Review Plan be approved for use. The POC for this study is Mr. Thomas A. Holden Jr., Deputy District Engineer for Project Management. He can be reached at (504) 862-2204.

EDWARD R. FLEMING
Colonel, EN
Commanding

2 Encls
as

Attachment 1: Sample Statement of Technical Review for Decision Documents

Completion of Agency Technical Review

The Agency Technical Review (ATR) has been completed for the *the Design Documentation Report and Plans and Specifications for Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA, Section 14 Implementation Project*. The ATR was conducted as defined in the project's Review Plan to comply with the requirements of EC 1165-2-209. During the ATR, compliance with established policy principles and procedures utilizing justified and valid assumptions, was verified. This included review of: assumptions, methods, procedures, and material used in analyses, alternatives evaluated, the appropriateness of data used and level obtained, and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing US Army Corps of Engineers policy. The ATR also assessed the District Quality Control (DQC) documentation and made the determination that the DQC activities employed appear to be appropriate and effective. All comments resulting from the ATR have been resolved and the comments have been closed in DrCheckssm.

SIGNATURE

Name

ATR Team Leader

Office Symbol/Company

_____ Date

SIGNATURE

Name

Project Manager (home district)

Office Symbol

_____ Date

SIGNATURE

Name

Architect Engineer Project Manager¹

Company, location

_____ Date

SIGNATURE

Name

Review Management Office Representative

Office Symbol

_____ Date

Certification of Agency Technical Review

Significant concerns and the explanation of the resolution are as follows:

As noted above, all concerns resulting from the ATR of the project have been fully resolved.

SIGNATURE

Name

Chief, Engineering Division (home district)

Office Symbol

_____ Date

SIGNATURE

Name

Chief, RPED/or Deputy Chief, RPED (home district)

Office Symbol

_____ Date

Attachment 2: MVD CAP Review Plan Checklist

Date: September 2011
Originating District: MVN
Project/Study Title: Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA
P2# and AMSCO#: 129687
District POC: Nick Sims
MSC Reviewer: TBD
CAP Authority: 14
Other Program Directed to follow CAP Processes:

Please fill out this checklist and submit with the draft Review Plan when coordinating with the MSC. Any evaluation boxes checked "No" may indicate the project may not be able to use the MVD Model Review Plan. Further explanation may be needed or a project specific review plan may be required. Additional coordination and issue resolution may be required prior to MSC approval of the Review Plan. Checklist may be limited to Section I or Section II or Both, depending on content of review plan (or subsequent amendments).

Section I - Decision Documents

| REQUIREMENT | EVALUATION |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Is the Review Plan (RP) for a Continuing Authorities Project? Or Other Program Directed to follow CAP Processes? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| a. Does it include a cover page identifying it as following the Model RP and listing the project/study title, originating district or office, and date of the plan? b. Does it include a table of contents? c. Is the purpose of the RP clearly stated? d. Does it reference the Project Management Plan (PMP) of which the RP is a component? e. Does it succinctly describe the levels of review: District Quality Control (DQC), Agency Technical Review (ATR), and Independent External Peer Review (IEPR) if applicable for Sec 103 or Sec 205? f. Does it include a paragraph stating the title, subject, and purpose of the decision document to be reviewed? | a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> d. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> e. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> f. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>g. Does it list the names and disciplines of the Project Delivery Team (PDT)?*</p> <p><i>*Note: It is highly recommended to put all team member names and contact information in an appendix for easy updating as team members change or the RP is updated.</i></p> <p>Comments:</p> | <p>g. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>2. Is the RP detailed enough to assess the necessary level and focus of the reviews?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>3. Does the RP define the appropriate level of review for the project/study?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>a. Does it state that DQC will be managed by the home district in accordance with the MVD and district Quality Management Plans?</p> <p>b. Does it state that ATR will be managed by MVD?</p> <p>c. Does it state whether IEPR will be performed? For Sec 103 and Sec 205, see additional questions in 5. below.</p> <p>Comments:</p> | <p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>4. Does the RP explain how ATR will be accomplished?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>a. Does it identify the anticipated number of reviewers?</p> <p>b. Does it provide a succinct description of the primary disciplines or expertise needed for the review (not simply a list of disciplines)?</p> <p>c. Does it indicate that ATR team members will be from outside the home district?</p> <p>d. Does it indicate where the ATR team leader will be from?</p> <p>e. If the reviewers are listed by name, does the RP describe the qualifications and years of relevant experience of the ATR team members?*</p> <p><i>*Note: It is highly recommended to put all team member names and contact information in an appendix for easy updating as team members change or the RP is updated.</i></p> <p>Comments:</p> | <p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>d. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>e. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>ATR members have not yet been assigned. Once assigned info will be added</p> |
| <p>5. For Sec 103 and Sec 205 projects, does the RP explain how IEPR will be accomplished?</p> | <p>Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> |

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>a. Is an exclusion being requested, requiring CG approval?</p> <p>b. Does it provide a defensible rationale for the decision on IEPR?</p> <p>c. If IEPR is required, does it state that IEPR will be managed by an Outside Eligible Organization, external to the Corps of Engineers?</p> <p>d. If IEPR is required, does the RP indicate which PCX will manage the IEPR and whether any coordination with the PCX has occurred?</p> <p>Comments:</p> | <p>a. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>c. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>d. Yes <input type="checkbox"/> No <input type="checkbox"/></p> |
| <p>6. Does the RP address review of sponsor in-kind contributions?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>7. Does the RP address how the review will be documented?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>a. Does the RP address the requirement to document ATR and IEPR comments using Dr Checks?</p> <p>b. Does the RP explain how the IEPR will be documented in a Review Report?</p> <p>c. Does the RP document how written responses to the IEPR Review Report will be prepared?</p> <p>c. Does the RP detail how the district will disseminate the final IEPR Review Report, USACE response, and all other materials related to the IEPR on the internet and include them in the applicable decision document?</p> <p>Comments: Due to the Scope of the Section 14 Project, IEPR is not anticipated</p> | <p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> <p>c. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> <p>d. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> |
| <p>8. Does the RP address Policy Compliance and Legal Review?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>9. Does the RP present the tasks, timing and sequence (including deferrals), and costs of reviews?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>a. Does it provide a schedule for ATR including review of the Alternative Formulation Briefing (AFB) materials and final report?</p> <p>b. Does it present the timing and sequencing for IEPR?</p> <p>c. Does it include cost estimates for the reviews?</p> | <p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> <p>c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>10. Does the RP indicate the study will address Safety Assurance factors? Factors to be considered include:</p> <ul style="list-style-type: none"> ● Where failure leads to significant threat to human life ● Novel methods\complexity\ precedent-setting models\policy changing conclusions ● Innovative materials or techniques ● Design lacks redundancy, resiliency of robustness ● Unique construction sequence or acquisition plans | <p>Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> <p>Comments: As seen in section 3.c the project does not include any safety assurance factors</p> |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| ● Reduced\overlapping design construction schedule | |
| 11. Does the RP address opportunities for public participation? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Does the RP indicate ATR of cost estimates will be conducted by pre-certified district cost personnel who will coordinate with the Walla Walla Cost DX? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Has the approval memorandum been prepared and does it accompany the RP? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

Section II - Implementation Documents

Please fill out this checklist and submit with the draft Review Plan or subsequent Review Plan amendments when coordinating with the MSC. For DQC, the District is the RMO; for ATR and Type II IEPR, MVD is the RMO. Any evaluation boxes checked “No” indicate the RP possibly may not comply with MVD Model Review Plan and should be explained. Additional coordination and issue resolution may be required prior to MVD approval of the Review Plan.

| REQUIREMENT | EVALUATION |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Are the implementation documents/products described in the review or subsequent amendments? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Does the RP contain documentation of risk-informed decisions on which levels of review are appropriate? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3. Does the RP present the tasks, timing, and sequence of the reviews (including deferrals)? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| <p>a. Does it provide an overall review schedule that shows timing and sequence of all reviews?</p> <p>b. Does the review plan establish a milestone schedule aligned with the critical features of the project design and construction?</p> | <p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| 4. Does the RP address engineering model review requirements? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| <p>a. Does it list the models and data anticipated to be used in developing recommendations?</p> <p>b. Does the RP identify any areas of risk and uncertainty associated with the use of the proposed models?</p> <p>c. Does it indicate the certification/approval status of those models and if review of any model(s) will be needed?</p> <p>d. If needed, does the RP propose the appropriate level of review for the model(s) and how it will be accomplished?</p> | <p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>d. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Comments: <u>Due to the simplicity of Section 14 projects, no planning or engineering models are anticipated to be used. Therefore there are no areas of risk and uncertainty associated nor will any model certifications/approvals be needed.</u></p> |
| 5. Does the RP explain how and when there will be opportunities for | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| the public to comment on the study or project to be reviewed? | |
| 6. Does the RP address expected in-kind contributions to be provided by the sponsor? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| If expected in-kind contributions are to be provided by the sponsor, does the RP list the expected in-kind contributions to be provided by the sponsor? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Does the RP explain how the reviews will be documented? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| a. Does the RP address the requirement to document ATR comments using Dr Checks and Type II IEPR published comments and responses pertaining to the design and construction activities summarized in a report reviewed and approved by the MSC and posted on the home district website? | a. Yes <input type="checkbox"/> No <input type="checkbox"/> |
| b. Does the RP explain how the Type II IEPR will be documented in a Review Report? | b. Yes <input type="checkbox"/> No <input type="checkbox"/> |
| c. Does the RP document how written responses to the Type II IEPR Review Report will be prepared? | c. Yes <input type="checkbox"/> No <input type="checkbox"/> |
| d. Does the RP detail how the district/MVD will disseminate the final Type II IEPR Review Report, USACE response, and all other materials related to the Type II IEPR on the internet? | d. Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | Comments: Type II IEPR is not applicable |
| 8. Has the approval memorandum been prepared and does it accompany the RP? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

REVIEW PLAN
Using the MVD Model Review Plan
for
Continuing Authorities Program
Section 14, 107, 111, 204, 206, 208, or 1135 Projects,
or Projects directed by Guidance
to use CAP processes

*Southern University Campus Road, Southern University, Scotlandville, East
Baton Rouge, LA
Section 14 Project
New Orleans District*

MSC Approval Date: *November 2011*
Last Revision Date: *n/a*



**US Army Corps
of Engineers** ®

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

Review Plan Using the MVD Model Review Plan

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA
Section 14 Project

TABLE OF CONTENTS

| | |
|--------------------------------------------------------------------------|---|
| 1. Purpose and Requirements | 1 |
| 2. Review Management Organization (RMO) Coordination | 1 |
| 3. Project Information | 1 |
| 4. District Quality Control (DQC) | 2 |
| 5. Agency Technical Review (Atr) | 3 |
| 6. Policy and Legal Compliance Review | 4 |
| 7. Cost Engineering Directory of Expertise (DX) Review and Certification | 4 |
| 8. Model Certification and Approval | 4 |
| 9. Review Schedules and Costs | 4 |
| 10. Public Participation | 5 |
| 11. Review Plan Approval and Updates | 5 |
| 12. Review Plan Points of Contact | 5 |
| Attachment 1: Team Rosters | 6 |
| Attachment 2: Review Plan Revisions | 7 |

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

1. Purpose and Requirements.

a. Purpose. This Review Plan defines the scope and level of peer review for the *Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA, Section 14 Implementation Project*. The review plan is part of the Project Management Plan with *anticipated review products to include, but not be limited to: the Design Documentation Report and Plans and Specifications*.

Section 14 of the Flood Control Act of 1946, as amended, authorizes the US Army Corps of Engineers (USACE) to study, design and construct emergency streambank and shoreline works to protect public services including (but not limited to) streets, bridges, schools, water and sewer lines, National Register sites, and churches from damage or loss by natural erosion. This is a Continuing Authorities Program (CAP) which focuses on water resource related projects of relatively smaller scope, cost and complexity. Unlike the traditional Corps' civil works projects that are of wider scope and complexity, the Continuing Authorities Program is a delegated authority to plan, design, and construct certain types of water resource and environmental restoration projects without specific Congressional authorization.

Additional Information on this program can be found in Engineering Regulation 1105-2-100, Planning Guidance Notebook, Appendix F, Amendment #2.

b. Applicability. This review plan is based on the MVD Model Review Plan for Section 14, 107, 111, 204, 206, 208, or 1135 Projects or Programs directed by guidance to follow CAP processes, which is applicable to projects that do not require Independent External Peer Review (IEPR), as defined by the mandatory Type I IEPR triggers contained in EC 1165-2-209, Civil Works Review Policy.

c. References:

- (1) Engineering Circular (EC) 1165-2-209, Civil Works Review Policy, 31 January 2010.
- (2) Director of Civil Works' Policy Memorandum #1, CECW-P, dated 19 January 2011.
- (3) EC 1105-2-412, Assuring Quality of Planning Models, 31 March 2010.
- (4) Engineering Regulation (ER) 1110-1-12, Quality Management, 30 September 2006.
- (5) ER 1105-2-100, Planning Guidance Notebook, Appendix F, Continuing Authorities Program, Amendment #2, 31 January 2007.
- (6) ER 1105-2-100, Planning Guidance Notebook, Appendix H, Policy Compliance Review and Approval of Decision Documents, Amendment #1, 20 November 2007.
- (7) ER 415-1-11, Biddability, Constructability, Operability, and Environmental Review

2. Review Management Organization (RMO) Coordination.

The RMO is responsible for managing the overall peer review effort described in this review plan. The RMO for Section 14 is MVD. MVD will coordinate and approve the review plan and manage the Agency Technical Review (ATR). The home District will post the approved review plan on its public website.

3. Project Information.

a. Implementation Document: The *Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA*, implementation document will be prepared in accordance with ER 1105-2-100, Appendix F, Amendment #2. The approval level of the decision document (if policy

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

compliant) is MVD. *Plans and Specifications (P&S) will also be prepared for implementation of the project and will undergo ATR review.*

b. Study/Project Description. *The Southern University campus is located along the banks of the Mississippi River in the city of Scotlandville, LA, approximately 90 miles North West of New Orleans. The Campus Road erosion site is located on the university campus at the intersection of Jesse N. Stone Ave and Elton Harris Drive. The stream bank protection area would start at this intersection and continue downstream along Jesse N. Stone Ave. (also known as F Street) for approximately 150 ft.*

Due to fluctuations in water levels, bank erosion occurs along a ravine running throughout the Southern University Campus. Erosion along a 150-foot section of a major street providing the only public vehicular access to the student dormitories has progressed to the point that the retaining wall and footer have been exposed. Although not life threatening, risk of failure to this public infrastructure is high with a major rainfall event unless protective measures are taken along this stretch of the ravine.

Alternatives considered included: no action, sheet piling, re-alignment of the ravine, and rip-rap with construction costs ranging from \$1,000,000 to \$2,000,000. The alternative approved by Mississippi Valley Division on 18 February 2011 includes re-alignment of the ravine and rip-rap protection at a cost of \$1,025,000. Southern University will serve as the non-Federal Sponsor.

c. Factors Affecting the Scope and level of Review. *The Model Programmatic Review plan was used to determine the appropriate scope and level of review for this study because CAP Section 14 projects are standard stream bank and shoreline protection projects that are not highly challenging nor do they present a high magnitude of project risks. Due to the limited scope of CAP Section 14 (total project costs cannot exceed \$1,500,000), this project is not likely to have significant economic, environmental, and/or social effects to the Nation. While the endangered road does provide vehicular access to the campus, the project does not likely involve a significant threat to human life/safety assurance as the area in question is most vulnerable during high water events. During times of high water, this and the surrounding roads are closed off to public access. The project is not likely to have significant interagency interest as a standard Environmental Assessment is being performed, with minimal impacts to the surrounding environment. The information in the decision document and project design will not be highly controversial, based on novel methods, or present complex challenges as standard erosion control measures will be evaluated (rip rap, sheet pile, etc). Also, being a standard stream bank erosion project, the project report is not likely to contain influential scientific information or be a highly influential scientific assessment. Due to this factors, IEPR is not anticipated.*

d. In-Kind Contributions. *Products and analyses provided by non-Federal sponsors as in-kind services are subject to District Quality Control (DQC) and ATR, similar to any products developed by USACE. No in-kind products are anticipated by the non-Federal Sponsor.*

4. District Quality Control (DQC).

All decision documents (including supporting data, analyses, environmental compliance documents, etc.) shall undergo DQC prior to ATR. DQC is an internal review process of basic science and engineering work products focused on fulfilling the project quality requirements defined in the Project Management Plan (PMP). The home district shall manage DQC in accordance with MVD and district Quality Management Plan. Any discrepancies between a reviewer and a Project Delivery Team (PDT) member will be resolved face-to-face. If a concern cannot be satisfactorily resolved between the DQC team and the PDT, it will be elevated to the section supervisor for further resolution. DQC will be conducted on

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

the Design Documentation Report, and P&S. Each of these products will undergo review by Senior level staff within the appropriate technical division.

5. Agency Technical Review (ATR).

One ATR is mandatory for all decision documents (including supporting data, analyses, environmental compliance documents, etc.), however additional ATRs may be performed if deemed warranted. ATR shall be documented and discussed at the Alternative Formulation Briefing (AFB) milestone.

Certification of the ATR will be provided prior to the District Commander signing the final report. ATR is managed within USACE by the designated RMO and is conducted by a qualified team from outside the home district that is not involved in the day-to-day production of the project/product. ATR teams will be comprised of senior USACE personnel. The ATR team lead will be from within the home MSC.

a. Products to Undergo ATR. ATR will be performed throughout the project in accordance with the District and MVD Quality Management Plans. Products to undergo ATR include: *the Design Documentation Report, and P&S.*

b. Required ATR Team Expertise.

| ATR Team Members/Disciplines | <i>Expertise Required</i> |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATR Lead | <i>The ATR lead should be a senior professional preferably with experience in preparing Section 14 decision documents and conducting ATR. The lead should also have the necessary skills and experience to lead a virtual team through the ATR process. Typically, the ATR lead will also serve as a reviewer for a specific discipline (such as planning, economics, environmental resources, etc). The ATR Lead MUST be from outside MVN</i> |
| Hydraulic Engineering | <i>The H&H Engineering reviewer should have H&H experience on a design and construction team that worked on streambank erosion projects including installation of rip rap.</i> |
| Geotechnical Engineering | <i>The Geotechnical Engineering reviewer should have experience on a design and construction team that worked on streambank erosion projects including installation of rip rap.</i> |
| Civil Engineering | <i>The Civil Engineering reviewer should have experience on a design and construction team that worked on streambank erosion projects including installation of rip rap.</i> |
| Cost Engineering | <i>Cost DX Staff or Cost DX Pre-Certified Professional with experience preparing cost estimates for streambank erosion projects</i> |
| Construction/Operations | <i>The Construction/Operations reviewer should have experience on a design and construction team that worked on streambank erosion projects including installation of rip rap.</i> |

c. Documentation of ATR. DrChecks review software will be used to document all ATR comments, responses and associated resolutions accomplished throughout the review process. Comments should be limited to those that are required to ensure adequacy of the product. Any editorial comments should be provided informally by email to the PDT.

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

6. Policy And Legal Compliance Review.

All decision documents will be reviewed throughout the study process for their compliance with law and policy. Guidance for policy and legal compliance reviews is addressed in Appendix H, ER 1105-2-100. These reviews culminate in determinations that the recommendations in the reports and the supporting analyses and coordination comply with law and policy, and warrant approval or further recommendation to higher authority by the MVD Commander. DQC and ATR augment and complement the policy review processes by addressing compliance with pertinent published Army policies, particularly policies on analytical methods and the presentation of findings in decision documents.

7. Cost Engineering Directory of Expertise (DX) Review And Certification.

For CAP projects, ATR of the costs may be conducted by pre-certified district cost personnel within the region or by the Walla Walla Cost DX. The pre-certified list of cost personnel has been established and is maintained by the Cost DX at <https://kme.usace.army.mil/EC/cost/CostAtr/default.aspx>. The cost ATR member will coordinate with the Cost DX for execution of cost ATR and cost certification. The Cost DX will be responsible for final cost certification and may be delegated at the discretion of the Cost DX.

8. Model Certification And Approval.

Approval of planning models under EC 1105-2-412 is not required for CAP projects. MSC commanders remain responsible for assuring the quality of the analyses used in these projects. ATR will be used to ensure that models and analyses are compliant with Corps policy, theoretically sound, computationally accurate, transparent, described to address any limitations of the model or its use, and documented in study reports.

EC 1105-2-412 does not cover engineering models used in planning. The responsible use of well-known and proven USACE developed and commercial engineering software will continue and the professional practice of documenting the application of the software and modeling results will be followed. As part of the USACE Scientific and Engineering Technology (SET) Initiative, many engineering models have been identified as preferred or acceptable for use on Corps studies and these models should be used whenever appropriate. The selection and application of the model and the input and output data is still the responsibility of the users and is subject to DQC, ATR, and IEPR (if required).

Planning and Engineering Models. The following models are anticipated to be used in the development of the decision document: *Due to the simplicity of Section 14 projects, no planning or engineering models are anticipated to be used. Therefore there are no areas of risk and uncertainty associated nor will any model certifications/approvals be needed.*

9. Review Schedules And Costs.

ATR Schedule and Cost.

| | |
|-------------------------------------|-------------------------------------------------------------------------------------------------|
| <i>Design Documentation Report:</i> | <i>5 December 2011 – 23 December 2011; \$7,500 (estimate, needs to be coordinated with MVD)</i> |
| <i>Plans and Specifications:</i> | <i>5 December 2011 – 23 December 2011; \$7,500 (estimate, needs to be coordinated with MVD)</i> |

Milestone Schedule

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

| | |
|-----------------------------------------|-------------------------|
| <i>Distict Quality Control Complete</i> | <i>4 November 2011</i> |
| <i>ATR Complete</i> | <i>23 December 2011</i> |
| <i>BCOE Review Complete</i> | <i>13 January 2012*</i> |
| <i>Construction Contract Advertise</i> | <i>16 January 2012*</i> |
| <i>Construction Contract Award</i> | <i>3 February 2012*</i> |

**Dates are contingent on receiving Federal funding*

10. Public Participation.

State and Federal resource agencies may be invited to participate in the study covered by this review plan as partner agencies or as technical members of the PDT, as appropriate. *Once the Review Plan is approved, the District will post it to its district public website and notify MVD and the PCXER The draft environmental assessment and report will undergo a 30 day review upon completion. The final decision document will also be posted to the district public website.*

11. Review Plan Approval And Updates.

The MVD RB-T Chief is responsible for approving this review plan and ensuring that use of the MVD Model Review Plan is appropriate for the specific project covered by the plan. The review plan is a living document and may change as the study progresses. The home district is responsible for keeping the review plan up to date. Minor changes to the review plan since the last MVD approval are documented in Attachment 2. Significant changes to the review plan (such as changes to the scope and/or level of review) should be reapproved by MVD following the process used for initially approving the plan. Significant changes may result in MVD determining that use of the MVD Model Review Plan is no longer appropriate. In these cases, a project specific review plan will be prepared and approved in accordance with EC 1165-2-209. The latest version of the review plan, along with the MVD approval memorandum, will be posted on the home district's webpage.

12. Review Plan Points Of Contact.

Public questions and/or comments on this review plan can be directed to the following points of contact:

- *Nick Sims, MVN Project Manager, 504 862 2128*
- *Jim Wojtala, MVD, 601 634 5931*

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

Attachment 1: Team Rosters

| TABLE 1: Project Delivery Team | | |
|---------------------------------------|---------------------------|----------------|
| Functional Area | Nam | Contact |
| Project Management/Plan Formulation | Brad Inman | 504-862-2124 |
| Project Management/Plan Formulation | Nick Sims | 504-862-2128 |
| Project Engineering | Walter Teckemeyer | 504-862-2611 |
| Hydraulics | Paul Bellocq | 504-862-2482 |
| Geotechnical | Leeland Richard | 504-862-2397 |
| Cost | Veronica Rodriguez Lucena | 504-862-1576 |
| Civil | Keith O'Cain | 504-862-2746 |
| Relocations | Christopher Talbert | 504-862-1407 |
| Surveys | Dwayne A. Blanchard | 504-862-1589 |
| Real Estate | Scott Sanderford | 504-862-1173 |
| Environmental | Tamy Gilmore | 504-862-1002 |
| Construction | Aarno Edmonson | 504-862-1002 |
| Economics | Kevin Lovetro | 504-862-1917 |

REVIEW PLAN

Southern University Campus Road, Southern University, Scotlandville, East Baton Rouge, LA

Attachment 2: Review Plan Revisions

| Revision Date | Description of Change | Page/Paragraph Number |
|----------------------|------------------------------|------------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |