



BOONE COUNTY, MISSOURI
Request for Bid # 22-07JUN09 – Spiva Crossing Road Drainage Improvements & Bridge Project

ADDENDUM #1 - Issued June 26, 2009

This addendum is issued in accordance with the Request for Bid and is hereby incorporated into and made a part of the Request for Bid Documents. Bidders are reminded that receipt of this addendum **MUST** be acknowledged and submitted with Bidder's *Response Form*.

Specifications for the above noted Request for Bid and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

- I. Add new Technical Specification 03240 to the bid documents as follows on pages two and three of this addendum.**
 - a. Please note that this specification is only for the precast concrete slab units.
- II. Add the 404 Permit to Appendix C of the Bid Specifications as follows on pages four through twenty-three of this addendum.**
- III. Replace Paragraph four on Notice To Bidders with the following:**

“The bid is scheduled to be opened after **9:30 A.M. on July 7, 2009** in the County Commission Chambers, Boone County Government Center, 801 E. Walnut, Columbia, MO 65201.”
- IV. Replace Paragraph three on Notice to Bidders with the following:**

“Sealed Bids, subject to the instructions and General Conditions of Bidding, will be received at the Purchasing Office, Johnson Building, 601 E. Walnut, 2nd Floor, Room 209, Columbia, Missouri, 65201-4460 **until 9:15 A.M. on July 7, 2009.**”
- V. Add OSHA Language to Bid Specifications as follows on page twenty-four of this addendum.**

SECTION 03240 – FIBER REINFORCEMENT FOR CONCRETE

PART 1 – GENERAL

1.1 PROJECT DESCRIPTION

A. This section specifies synthetic fiber reinforcement used as an admixture in concrete. Fibers shall serve as secondary reinforcement for concrete, and to protect concrete from stresses which cause cracking initially after placement.

B. Related Sections: Other specification sections which directly relate to the work of this Section include, but are not limited to, the following:

1. Section 03300 - Cast-In-Place Concrete.
2. Section 03410 – Concrete Slab Unit.

C. The fiber reinforcement shall be used in ONLY the precast concrete slab units.

1.2 SUBMITTALS

A. Product Data: Submit manufacturer's product data, installation instructions, use limitations and recommendations for each material.

B. Test and Performance Data: Submit independent test data substantiating compliance with ASTM C 1116 as specified.

1.3 QUALITY ASSURANCE

A. Manufacturer: Fibers shall be manufactured by a firm with a minimum of 5 years experience in the production of similar products. Manufacturers proposed for use but not named in these specifications shall submit evidence of ability to meet all requirements specified, and include a list of projects of similar design and complexity completed within the past five years.

B. Materials: For all admixtures required for the work of this Section, provide materials which are the products of one manufacturer.

C. Pre-Construction Conference: A pre-installation conference shall be held two weeks prior to commencement of field operations to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work. Agenda for meeting shall include concrete and fiber handling, placing, finishing, and curing.

D. Manufacturer's Representative: A representative of the manufacturer shall be present for project start-up during initial concrete placement. Engineer may waive requirement for manufacturer's representative if Contractor provides sufficient evidence that producer and finisher have adequate experience with fiber admixtures required.

1.4 PROJECT CONDITIONS

A. Perform work only when existing and forecasted weather conditions are within the limits established by the manufacturer of the materials and products used.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Provide Grace MicroFiber™ concrete admixture by Grace Construction Products meeting specified requirements. For customer service in North America:

Call toll free: 877-4AD-MIX1 (877-423-6491)

Fax toll free: 877-4AD-MIX2 (877-423-6492)

B. Approved equal.

2.2 MATERIALS

A. Fiber Reinforcement: Provide Grace MicroFiber concrete admixture by Grace Construction Products complying with the following requirements:

1. Fibers: 1/2" or 3/4" (13 mm or 40 mm) polypropylene fibers, maximum 3 denier, complying with ASTM C 1116, Type III, Par. 4.1.3 and applicable building code requirements.

2. Fibers Per Pound: Not less than 50 million individual fibers.

3. Fibers shall be supplied in cellulose Concrete Ready Bags® which disperse during mixing.

2.3 CONCRETE MIX

A. Application Rate: 1 pound per cubic yard (600 grams per cubic meter) of concrete unless recommended otherwise by the manufacturer. For uniform distribution, mix in truck for a minimum of 20 minutes after fiber addition. Add fibers at the batch plant to ensure proper mixing.

B. Additional Concrete Admixtures: Additional concrete admixtures conforming to ASTM C 494 or equivalent CSA 266 standards may be used as required including the following.

1. Type A: Water-reducing admixture, WRDA® series or Daracem®-55 by Grace Construction Products, or approved equal.

2. Type D: Water-reducing and retarding admixture, Daratard-17 by Grace Construction Products, or approved equal.

3. Type F or G: Water-reducing, high-range admixture, WRDA-19 or Daracem-100 by Grace Construction Products, or approved equal.

4. Type C: Accelerating admixture, PolarSet® by Grace Construction Products, or approved equal.

5. DCI® or DCI®-S Corrosion Inhibitor by Grace Construction Products, or approved equal may also be used if required at rate recommended by manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine conditions of substrates and other conditions under which work is to be performed and notify Owner, in writing, of circumstances detrimental to the proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): June 9, 2009

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:
Boone County Public Works
5551 Highway 63 South
Columbia, MO 65201

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Kansas City, Boone County Public Works, 2007-00984

**D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:
(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)**

State: MO County/parish/borough: Boone City: Columbia
Center coordinates of site (lat/long in degree decimal format): Lat. 39.0482°
N, Long. -92.244° W

Universal Transverse Mercator: NAD83

Name of nearest waterbody: Hinkson Creek

Identify (estimate) amount of waters in the review area:

Non-wetland waters: linear feet: 80 width (ft) and/or .01 acres.

Cowardin Class: Riverine

Stream Flow: Ephemeral

Wetlands: acres.

Cowardin Class:

Name of any water bodies on the site that have been identified as Section 10 waters:

Tidal:

Non-Tidal:

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: June 9, 2009

Field Determination. Date(s):

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party

who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable. This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant:
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Columbia, MO.
- USDA Natural Resources Conservation Service Soil Survey. Citation:

- National wetlands inventory map(s). Cite name:
- State/Local wetland inventory map(s):
- FEMA/FIRM maps:
 - 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
 - Photographs: Aerial (Name & Date):
or Other (Name & Date):
- Previous determination(s). File no. and date of response letter:
- Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

James S. Amun 06/29/09
Signature and date of
Regulatory Project Manager
(REQUIRED)

[Signature] 6-12-09
Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining
the signature is impracticable)

Nationwide Permit No. 14
Linear Transportation Projects.

Activities required for the construction, expansion, modification, or improvement of linear transportation projects (e.g., roads, highways, railways, trails, airport runways, and taxiways) in waters of the United States. For linear transportation projects in non-tidal waters, the discharge cannot cause the loss of greater than 1/2-acre of waters of the United States. For linear transportation projects in tidal waters, the discharge cannot cause the loss of greater than 1/3-acre of waters of the United States. Any stream channel modification, including bank stabilization, is limited to the minimum necessary to construct or protect the linear transportation project; such modifications must be in the immediate vicinity of the project.

This NWP also authorizes temporary structures, fills, and work necessary to construct the linear transportation project. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The areas affected by temporary fills must be revegetated, as appropriate.

This NWP cannot be used to authorize non-linear features commonly associated with transportation projects, such as vehicle maintenance or storage buildings, parking lots, train stations, or aircraft hangars.

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if: (1) the loss of waters of the United States exceeds 1/10 acre; or (2) there is a discharge in a special aquatic site, including wetlands. (See general condition 27.) (Sections 10 and 404)

Note: Some discharges for the construction of farm roads or forest roads, or temporary roads for moving mining equipment, may qualify for an exemption under Section 404(f) of the Clean Water Act (see 33 CFR 323.4).

Excerpts from March 12, 2007 Federal Register
Nationwide Permit General Conditions
(As corrected in 8 May 2007 Correction (79 F.R. 26082))

1. **Navigation.** (a) No activity may cause more than a minimal adverse effect on navigation.
(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.
(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
2. **Aquatic Life Movements.** No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. Culverts placed in streams must be installed to maintain low flow conditions.
3. **Spawning Areas.** Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.
4. **Migratory Bird Breeding Areas.** Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.
5. **Shellfish Beds.** No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWP's 4 and 48.
6. **Suitable Material.** No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see Section 307 of the Clean Water Act).
7. **Water Supply Intakes.** No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.
8. **Adverse Effects From Impoundments.** If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.
9. **Management of Water Flows.** To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and storm water management activities, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).
10. **Fills Within 100-Year Floodplains.** The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. **Equipment.** Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. **Soil Erosion and Sediment Controls.** Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow.

13. **Removal of Temporary Fills.** Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. **Proper Maintenance.** Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety.

15. **Wild and Scenic Rivers.** No activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency in the area (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service).

16. **Tribal Rights.** No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

17. **Endangered Species.** (a) No activity is authorized under any NWP which is likely to jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless Section 7 consultation addressing the effects of the proposed activity has been completed.

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements.

(c) Non-federal permittees shall notify the district engineer if any listed species or designated critical habitat might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, the pre-construction notification must include the name(s) of the endangered or threatened species that may be affected by the proposed work or that utilize the designated critical habitat that may be affected by the proposed work. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" on listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete pre-construction notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the project, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification the proposed activities will have "no effect" on listed species or critical habitat, or until Section 7 consultation has been completed.

(d) As a result of formal or informal consultation with the FWS or NMFS the district engineer may add species-specific regional endangered species conditions to the NWPs.

(e) Authorization of an activity by a NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the U.S. FWS or the NMFS, both lethal and non-lethal "takes" of protected species are in violation of the ESA. Information on

the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the U.S. FWS and NMFS or their world wide Web pages at <http://www.fws.gov/> and <http://www.nosa.gov/fisheries.html> respectively.

18. Historic Properties. (a) In cases where the district engineer determines that the activity may affect properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of Section 106 of the National Historic Preservation Act. Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the authorized activity may have the potential to cause effects to any historic properties listed, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties may be affected by the proposed work or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of or potential for the presence of historic resources can be sought from the State Historic Preservation Officer or Tribal Historic Preservation Officer, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted and these efforts, the district engineer shall determine whether the proposed activity has the potential to cause an effect on the historic properties. Where the non-Federal applicant has identified historic properties which the activity may have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects or that consultation under Section 106 of the NHPA has been completed.

(d) The district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA Section 106 consultation is required. Section 106 consultation is not required when the Corps determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR §800.3(a)). If NHPA section 106 consultation is required and will occur, the district engineer will notify the non-Federal applicant that he or she cannot begin work until Section 106 consultation is completed.

(e) Prospective permittees should be aware that section 110k of the NHPA (16 U.S.C. 470h-2(k)) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, explaining the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

19. Designated Critical Resource Waters. Critical resource waters include, NOAA-designated marine sanctuaries, National Estuarine Research Reserves, state natural heritage sites, and outstanding national resource waters or other waters officially designated by a state as having particular environmental or ecological significance and identified by the district engineer after notice and opportunity for public comment. The district engineer may also designate additional critical resource waters after notice and opportunity for comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWP's 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, and 50 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWP's 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, and 38, notification is required in accordance with general condition 27, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWP's only after it is determined that the impacts to the critical resource waters will be no more than minimal.

20. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that adverse effects on the aquatic environment are minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating) will be required to the extent necessary to ensure that the adverse effects to the aquatic environment are minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10 acre and require pre-construction notification, unless the district engineer determines in writing that some other form of mitigation would be more environmentally appropriate and provides a project-specific waiver of this requirement. For wetland losses of 1/10 acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in minimal adverse effects on the aquatic environment. Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, wetland restoration should be the first compensatory mitigation option considered.

(d) For losses of streams or other open waters that require pre-construction notification, the district engineer may require compensatory mitigation, such as stream restoration, to ensure that the activity results in minimal adverse effects on the aquatic environment.

(e) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWP's. For example, if an NWP has an acreage limit of 1/2 acre, it cannot be used to authorize any project resulting in the loss of greater than 1/2 acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that a project already meeting the established acreage limits also satisfies the minimal impact requirement associated with the NWP's.

(f) Compensatory mitigation plans for projects in or near streams or other open waters will normally include a requirement for the establishment, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, riparian areas may be the only compensatory mitigation required. Riparian areas should consist of native species. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(g) Permittees may propose the use of mitigation banks, in-lieu fee arrangements or separate activity-specific compensatory mitigation. In all cases, the mitigation provisions will specify the party responsible for accomplishing and/or complying with the mitigation plan.

(h) Where certain functions and services of waters of the United States are permanently adversely affected, such as the conversion of a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse effects of the project to the minimal level.

21. Water Quality. Where States and authorized Tribes, or EPA where applicable, have not previously certified compliance of an NWP with CWA Section 401, individual 401 Water Quality Certification must be obtained or waived (see 33 CFR 330.4(c)). The district engineer or State or Tribe may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

22. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). The district engineer or a State may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

23. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

24. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the NWPs does not exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

25. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

"When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."

(Transferee)

(Date)

26. Compliance Certification. Each permittee who received an NWP verification from the Corps must submit a signed certification regarding the completed work and any required mitigation. The certification form must be forwarded by the Corps with the NWP verification letter and will include:

- (a) A statement that the authorized work was done in accordance with the NWP authorization, including any general or specific conditions;
- (b) A statement that any required mitigation was completed in accordance with the permit conditions; and
- (c) The signature of the permittee certifying the completion of the work and mitigation.

27. Pre-Construction Notification. (a) Timing. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, as a general rule, will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested

information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity.

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) Forty-five calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 17 that listed species or critical habitat might be affected or in the vicinity of the project, or to notify the Corps pursuant to general condition 18 that the activity may have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or Section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) is completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee cannot begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) Contents of Pre-Construction Notification: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed project;

(3) A description of the proposed project; the project's purpose; direct and indirect adverse environmental effects the project would cause; any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. The description should be sufficiently detailed to allow the district engineer to determine that the adverse effects of the project will be minimal and to determine the need for compensatory mitigation. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the project and when provided result in a quicker decision.);

(4) The PCN must include a delineation of special aquatic sites and other waters of the United States on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters of the United States, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many waters of the United States. Furthermore, the 45 day period will not start until the delineation has been submitted to or completed by the Corps, where appropriate;

(5) If the proposed activity will result in the loss of greater than 1/10 acre of wetlands and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(6) If any listed species or designated critical habitat might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat, for non-Federal applicants the PCN must include the name(s) of those endangered or threatened species that might be affected by the proposed work or utilize the designated critical habitat that may be affected by the proposed work. Federal applicants must provide documentation demonstrating compliance with the Endangered Species Act; and

(7) For an activity that may affect a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, for non-Federal applicants the PCN must state which historic property may be affected by the proposed work or include a vicinity map indicating the location of the historic property. Federal applicants must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

(c) Form of Pre-Construction Notification: The standard individual permit application form (Form ENG 4345) may be used, but the completed application form must clearly indicate that it is a PCN and must include all of the information required in paragraphs (b)(1) through (7) of this general condition. A letter containing the required information may also be used.

(d) **Agency Coordination:** (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWP's and the need for mitigation to reduce the project's adverse environmental effects to a minimal level.

(2) For all NWP 48 activities requiring pre-construction notification and for other NWP activities requiring pre-construction notification to the district engineer that result in the loss of greater than 1/2-acre of waters of the United States, the district engineer will immediately provide (e.g., via facsimile transmission, overnight mail, or other expeditious manner) a copy of the PCN to the appropriate Federal or state offices (U.S. FWS, state natural resource or water quality agency, EPA, State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Office (THPO), and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will then have 10 calendar days from the date the material is transmitted to telephone or fax the district engineer notice that they intend to provide substantive, site-specific comments. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame, but will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(3) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by Section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

(4) Applicants are encouraged to provide the Corps multiple copies of pre-construction notifications to expedite agency coordination.

(5) For NWP 48 activities that require reporting, the district engineer will provide a copy of each report within 10 calendar days of receipt to the appropriate regional office of the NMFS.

(c) **District Engineer's Decision:** In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If the proposed activity requires a PCN and will result in a loss of greater than 1/10 acre of wetlands, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for projects with smaller impacts. The district engineer will consider any proposed compensatory mitigation the applicant has included in the proposal in determining whether the net adverse environmental effects to the aquatic environment of the proposed work are minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse effects on the aquatic environment are minimal, after considering mitigation, the district engineer will notify the permittee and include any conditions the district engineer deems necessary. The district engineer must approve any compensatory mitigation proposal before the permittee commences work. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure no more than minimal adverse effects on the aquatic environment. If the net adverse effects of the project on the aquatic environment (after consideration of the compensatory mitigation proposal) are determined by the district engineer to be minimal, the district engineer will provide a timely written response to the applicant. The response will state that the project can proceed under the terms and conditions of the NWP.

If the district engineer determines that the adverse effects of the proposed work are more than minimal, then the district engineer will notify the applicant either: (1) that the project does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (2) that the project is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse effects on the aquatic environment to the minimal level; or (3) that the project is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse effects

occur to the aquatic environment, the activity will be authorized within the 45-day PCN period. The authorization will include the necessary conceptual or specific mitigation or a requirement that the applicant submit a mitigation plan that would reduce the adverse effects on the aquatic environment to the minimal level. When mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan.

28. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

STATE OF MISSOURI GENERAL CONDITIONS
FOR NATIONWIDE PERMITS

These conditions ensure that activities carried out under Nationwide Permits (NWP) do not violate the Water Quality Standards of the State of Missouri resulting in permanent damage to habitat, increased turbidity, reduced bank and channel stability, and/or impacts to the biological and chemical integrity of the waterbody. These general conditions and the specific conditions are in addition to, not a replacement for, those conditions included by the federal authorities. To further reduce the potential for water quality impacts, parties are encouraged to conduct the permitted activity(s) during periods of low moisture and/or low flow to the extent possible. These general conditions apply to NWPs 3, 4, 5, 6, 7, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 25, 27, 30, 31, 33, 36, 40, 41, 42, 43, 45, 46 and 47.

The remaining NWPs, which will require individual certifications by the Missouri Department of Natural Resources, are: 17, 29, 32, 34, 37, 38, 39, 44, 48, 49 and 50.

MISSOURI GENERAL CONDITIONS are as follows:

1. NWPs shall not allow the filling of jurisdictional springs.
2. Acquisition of a NWP(s) and attendant water quality certification(s) shall not be construed or interpreted to imply the requirements for other permits are replaced or superseded. Any national pollutant discharge elimination system (NPDES) permits, general permits for land disturbance, or other requirements shall be complied with. Applicants with questions are encouraged to call the Water Protection Program, NPDES Permits and Engineering Section, at (573) 526-3589.
3. Care shall be taken to keep machinery out of the waterway as much as possible. Fuel, oil and other petroleum products, equipment and any solid waste shall not be stored below the ordinary high water mark at any time or in the adjacent floodway beyond normal working hours. All precautions shall be taken to avoid the release of wastes or fuel to streams and other adjacent waterbodies as a result of this operation.
4. Petroleum products spilled into any waterbody or on the banks where the material may enter waters of the state shall be immediately cleaned up and disposed of properly. Any such spills of petroleum shall be reported as soon as possible to the Missouri Department of Natural Resources' 24-hour Environmental Emergency Response number at (573) 634-2436.
5. Only clean, nonpolluting fill shall be used. The following materials are not suitable for bank stabilization and shall not be used due to their potential to cause violations of the general criteria of the Water Quality Standards, 10 CSR 20-7.031 (A) - (H):
 - a. Barren fill, gravel, broken concrete where the material does not meet the specifications outlined below, and fragmented asphalt, since these materials are usually not substantial enough to withstand erosive flows;
 - b. Concrete with exposed rebar;
 - c. Tires, vehicles or vehicle bodies, construction or demolition debris are solid waste and are excluded from placement in the waters of the state;

- d. Liquid concrete, including grouted riprap, if not placed as part of an engineered structure; and
- e. Any material containing chemical pollutants (for example: creosote or pentachlorophenol).

Recycled or broken concrete may be used provided that it is reasonably well graded, consisting of pieces varying in size from 20 pounds up to and including at least 150 pound pieces. Applicants must break all large slabs to conform to the well-graded requirement. Generally, the maximum weight of any piece shall not be more than 500 pounds. Gravel and dirt shall not exceed 15% of the total fill volume. All protruding reinforcement rods, trash, asphalt and other extraneous materials must be removed from the broken concrete prior to placement.

Recycled or broken concrete being used simply as fill need not conform to the well-graded requirement. It shall, however, be free of extraneous materials and shall be placed to eliminate voids within the fill.

- 6. Clearing of vegetation/trees shall be the minimum necessary to accomplish the activity. A vegetated corridor shall be maintained from the high bank on either side of the jurisdictional channel to protect water quality and to provide for long-term stability of the stream channel, unless physical barriers prevent such a corridor. For purposes of this NWP, lack of ownership or control of any portion of this corridor may be considered a legitimate and discretionary cause to waive this requirement on that portion.
- 7. This water quality certification is not valid for any Section 404 permit issued on a waterbody that:
 - a. Is listed as impaired pursuant to Section 303(d) of the Clean Water Act;
 - b. If the activities are located in or occur within two miles upstream of a designated outstanding state or national resource area (10 CSR 20-7.031); or
 - c. If the activities are located in a designated metropolitan no-discharge stream.

Waters on the 303(d) list can be found at http://www.dnr.mo.gov/cnv/wpp/waterquality/2002_303d_list.pdf. *Outstanding National/State Resource Waters and Metropolitan No-Discharge Streams* can be found in 10 CSR 20-7.031, Tables D, E and F or at <http://www.sos.mo.gov/adrules/cst/current/10csr/10c20-7b.pdf>. If more detail than what is provided at these web sites is needed to precisely pinpoint your location, please call (573) 522-2552.

- 8. Streambed gradient shall not be permanently altered during project construction.
- 9. NWPs involving a loss of more than 1/10 acre of wetlands with a predominance of bottomland hardwoods that are comprised mainly of different species of gum, oak and bald cypress shall require individual water quality certification by the state.
- 10. NWPs issued by the Army Corps of Engineers (Corps) for which the 300 linear feet threshold for stream impacts is waived by the district engineer on classified waterbodies as defined by 10 CSR 20-7.031 shall require individual water quality certification by the state.
- 11. No project under a NWP shall accelerate bed or bank erosion.

12. Planting of any required vegetated buffer shall maximize the use of native, flood tolerant species to provide soil stabilization and wildlife benefits. Invasive, non-native species are prohibited.
13. Pursuant to Chapter 644.038, RSMo, the department certifies all NWP's for impacts in all waters of the state without the above-stated or any other conditions for the construction of highways and bridges approved by the Missouri Highway and Transportation Commission.

STATE OF MISSOURI SPECIFIC CONDITIONS:

Note: There are no specific conditions for NWP's 5, 15, 18, 21, 23, 25, 27, 30, 31, 45 and 46. For these NWP's only general conditions apply.

NATIONWIDE PERMIT 3

Maintenance

1. Silt, sediment and debris removal shall be limited to a maximum of 50 linear feet upstream and downstream of structures.
3. During dewatering, water shall not be returned directly to the waterway but shall be pumped upland and filtered through an appropriate treatment device as prescribed in any existing separate permit authorizing the discharge of return water. If, however, instream flow is 1 cubic foot per second (cfs) or greater and the return rate is set at 1 cfs or less, return may be made directly to the stream.
3. This condition applies to any regulated activity, which involves the construction of a new or replacement culvert on a Class P or C stream in Missouri. All culverts must be designed to allow the natural passage of aquatic organisms. The culvert design must mimic the natural shape and flow of the channel. For all triple cell culverts on Class P and C streams, the opening of the center culvert must be slightly lower than the adjacent culverts to concentrate low flows for the passage of aquatic organisms. Class P and C streams in Missouri can be found at <http://www.sos.mo.gov/adrules/csr/current/10csr/10c20-7c.pdf>.

NATIONWIDE PERMIT 4

Fish and Wildlife Harvesting, Enhancement, and Attraction Devices and Activities

1. Any inorganic or extraneous debris such as may be found on Christmas trees shall be removed to qualify as clean, nonpolluting fill.

NATIONWIDE PERMIT 6

Survey Activities

1. Water, fines and excavated materials displaced by activities such as borings, shall not be returned directly to the waterway, but shall be pumped upland and filtered through an appropriate treatment device as prescribed in any existing separate permit authorizing the discharge of return water.

NATIONWIDE PERMIT 7

Outfall Structures and Associated Intake Structures

1. Water quality certification does not replace or negate the need to obtain any or other required state permits under the Missouri Clean Water Law (Chapter 644, RSMo) for construction of wastewater treatment facility components, including outfall structures, or permits to release wastewater effluents or for the construction of components related to public water supplies, including intake structures, as may be required by the Missouri Safe Drinking Water Law (Chapter 640, RSMo).

NATIONWIDE PERMIT 12

Utility Line Activities

1. Material resulting from activity may not be temporarily sidecast into waters of the state for more than one month.
2. Directional boring under the streambed to avoid impacts to waters of the state is recommended. For utility crossings that must disturb the streambed, work shall be conducted in such a manner as to seal off the work area from flow.
3. Utility line crossings shall be placed as close to perpendicular as possible, and be limited to a maximum crossing length of no more than one and one-half times the width of the stream.
4. For any wetland impacts permitted under this nationwide permit, the applicant shall segregate and store separately the top 12 inches of soil to be replaced as top fill in the final trench closure. This condition will be waived if, due to special circumstances, the district engineers of the Army Corps of Engineers specifically require a different methodology in their permit.

NATIONWIDE PERMIT 13

Bank Stabilization

1. Channelization of streams is not allowed under this nationwide permit (NWP). Bank stabilization activities along one bank of a stream are permitted, including bank sloping and/or riprapping.
2. The redirection of flow by excavation of the opposite bank of a stabilization project or a stream channel bed is considered a channel modification and is prohibited by this NWP.

NATIONWIDE PERMIT 14
Linear Transportation Projects

1. Culverts authorized as part of the project by this permit shall not exceed the base width of the stable roadbed to include width allowed for special pedestrian crossings.
2. No culvert or stream crossing shall create an impediment to the passage of fish or other aquatic life.
3. When repairing, rehabilitating or replacing low water crossings in a situation where discharges of fill or dredged material would raise or lower elevation of the crossing by a total of 12 inches or more, or when removing the structure, the permittee must propose and employ measures to mitigate the potential impact of impounding gravel above the low water crossing or of releasing impounded gravel downstream of the structure. Such mitigation might include removing impounded gravel in the unstable area upstream of the low water crossing to prevent it from being transported downstream and/or constructing a notched weir to slow the release of impounded gravel from upstream of the low water crossing.
4. Where this nationwide permit is used to authorize bridge and culvert structures, stream channel work is limited to a maximum of 50 feet upstream and a maximum of 50 feet downstream of the bridge or culvert. For purposes of this condition, channel modifications are any activity that alters the width, depth, length and/or sinuosity of a waterway.
5. This condition applies to any regulated activity which involves the construction of a new or replacement culvert on a Class P or C stream in Missouri. All culverts must be designed to allow the natural passage of aquatic organisms. The culvert design must mimic the natural shape and flow of the channel. For all triple cell culverts on Class P and C streams, the opening of the center culvert must be slightly lower than the adjacent culverts to concentrate low flows for the passage of aquatic organisms. Class P and C streams in Missouri can be found at <http://www.sos.mo.gov/adrules/csr/current/10csr/10c20-7c.pdf>.

NATIONWIDE PERMIT 16
Return Water From Upland Contained Disposal Areas

1. Prior to commencing any dredging activity, the applicant shall acquire a Missouri General Permit 69 for Dredging Lakes/River Harbors if the activity is described as the same. All terms for compliance with the Missouri General Permit 69 are incorporated into the water quality certification. Applications for Missouri General Permit 69 may be obtained by contacting the Missouri Department of Natural Resources at (573) 751-1300.

NATIONWIDE PERMIT 19
Minor Dredging

1. Prior to commencing any dredging activity, the applicant shall acquire a Missouri General Permit 69 for Dredging Lakes/River Harbors, if the activity is described as the same. All terms for compliance with the Missouri General Permit 69 are incorporated into the water quality certification. Applications for Missouri General Permit 69 may be obtained by contacting the Missouri Department of Natural Resources at (573) 751-1300.

NATIONWIDE PERMIT 20

Oil Spill Cleanup

1. Since oil spill cleanup can have many specific tasks or processes involved which may require the acquisition of separate general or site specific permits, all applicants shall contact the Water Protection Program, NPDES Permits and Engineering Section, at (573) 751-6825 to determine any specific requirements. Compliance with requirements, if any, of those permits shall also be part of the water quality certification conditions.

NATIONWIDE PERMIT 22

Removal of Vessels

1. Use of this nationwide permit in Missouri is limited to removal actions only and shall not be used for any disposal of vessels.

NATIONWIDE PERMIT 33

Temporary Construction, Access and Dewatering

1. The use of this nationwide permit shall be limited to impacts of 6 months or less in duration.
2. Any removal of accumulated gravel upstream of a bridge or crossing shall be limited to the quantity necessary to relieve any obstruction or to protect downstream habitat.

NATIONWIDE PERMIT 36

Boat Ramps

1. No project shall be constructed in, or immediately upstream of, any known mussel beds. The Missouri Department of Conservation shall be consulted at (573) 882-9880 to determine if any known beds are present.
2. Any waste concrete or concrete rinsate shall be disposed of in a manner that does not result in any discharge to the jurisdictional waterways.

NATIONWIDE PERMIT 40

Agricultural Activities

1. No farm ponds may be constructed under this nationwide permit within those waters designated as Class P or Class C in the state's Water Quality Standards Regulations (10 CRS 20-7.031, Table H at www.sos.mo.gov/adrules/csr/current/10csr/10c20-7c.pdf).

NATIONWIDE PERMIT 41
Reshaping Existing Drainage Ditches

1. Material from the reshaping activities shall not be sidecast into any jurisdictional waters for more than one month.

NATIONWIDE PERMIT 42
Recreational Facilities

1. The vegetated corridor to be maintained from the high bank on either side of the jurisdictional channel may be used in part for the construction of public recreational trails, including those constructed to standards set by the Americans with Disabilities Act (ADA).

NATIONWIDE PERMIT 43
Stormwater Management Facilities

1. No new or expanded stormwater management facilities may be constructed under this nationwide permit unless the storage facilities are located off-channel.

NATIONWIDE PERMIT 47
Pipeline Safety Program Designated Time Sensitive Inspections and Repairs

1. Material resulting from activity may not be temporarily sidecast into waters of the state for more than one month.

COMPLIANCE CERTIFICATION

General condition 26 of this Nationwide Permit requires that you submit a signed certification regarding the completed work and any required mitigation. This certification page satisfies this condition if it is provided to the Kansas City District at the address shown at the bottom of this page upon completion of the project.

APPLICATION NUMBER: 2007-00984

APPLICANT: Boone County Public Works
5551 Highway 63 South
Columbia, MO 65201

PROJECT LOCATION: In an unnamed tributary of Hinkson Creek, Section 3, Township 49 north, Range 12 west, Boone County, Missouri.

a. I certify that the authorized work was done in accordance with the Corps authorization, including any general or specific conditions.

b. I certify that any required mitigation was completed in accordance with the permit conditions.

c. Your signature below, as permittee, indicates that you have completed the authorized project as certified in paragraphs a and b above.

(PERMITTEE) (DATE)

Return this certification to:

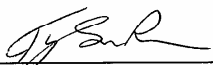
U.S. Army Corps of Engineers
Missouri State Regulatory Office
221 Bolivar Street, #103
Jefferson City, MO 65101

**BID SPECIFICATIONS LANGUAGE FOR OSHA TRAINING
REQUIRED FOR PUBLIC WORKS TO BE IN PROGRESS
AFTER AUGUST 28, 2009**

OSHA Program Requirements – The Contractor is familiar with the requirements of 292.675 RSMo. The Contractor shall provide a ten-hour Occupational Safety and Health Administration (OSHA) construction safety program for their on-site employees, subcontractors or others acting on behalf of Contractor on-site which meets the requirements of 292.675 RSMo.

The Contractor and each subcontractor shall keep accurate records of those employees who are working on-site and a record of each such employee's completion of the OSHA program, **and certify compliance by affidavit at the conclusion of the project.**

The Contractor shall forfeit as a penalty to the County the sum of Two Thousand Five Hundred Dollars (\$2,500.00) plus One Hundred Dollars (\$100.00) for each employee employed by the Contractor or subcontractor, for each calendar day, or portion thereof, such employee is found to be employed in violation of 292.675 RSMo. Said amounts shall be withheld from all sums and amounts due under this provision when making payments to the Contractor.

By: 
Tyson Boldan, Buyer
Boone County Purchasing

OFFEROR has examined copy of Addendum #1 to Request for Bid # 22-07JUN09 – Spiva
Crossing Road Drainage Improvements & Bridge Project

Company Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Authorized Representative Signature: _____ Date: _____

Authorized Representative Printed Name: _____