Pre-Bid Conference

Marshall-Trigg Counties Contract ID 12-1354 Grade & Drain with Bridge October 19, 2012 Letting





Pre-Bid Conference

Baker

REPUBLIC PRODUCED

October 4, 2012

Western Kentucky

(60) Marion

(641)

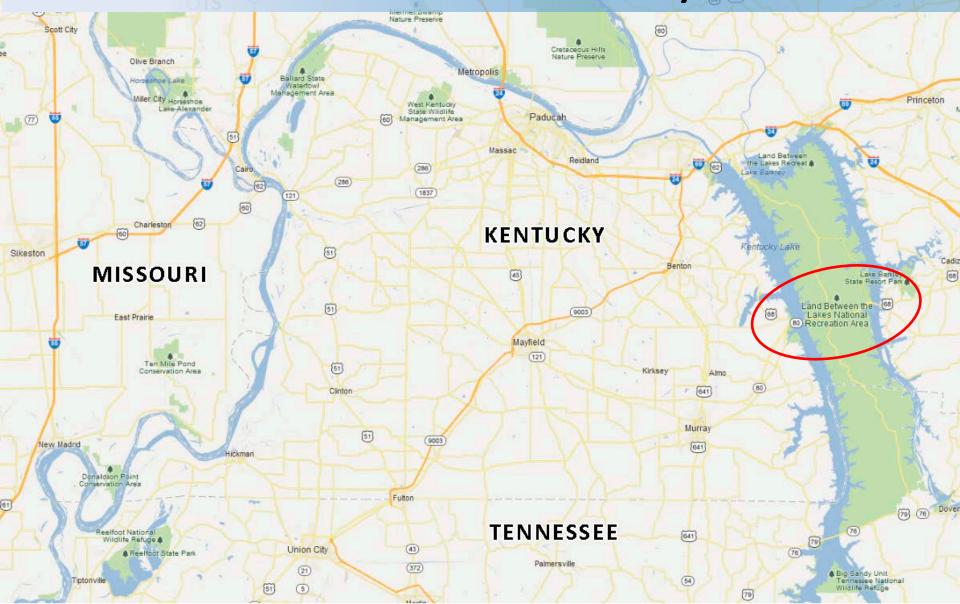
Vienna

(45)

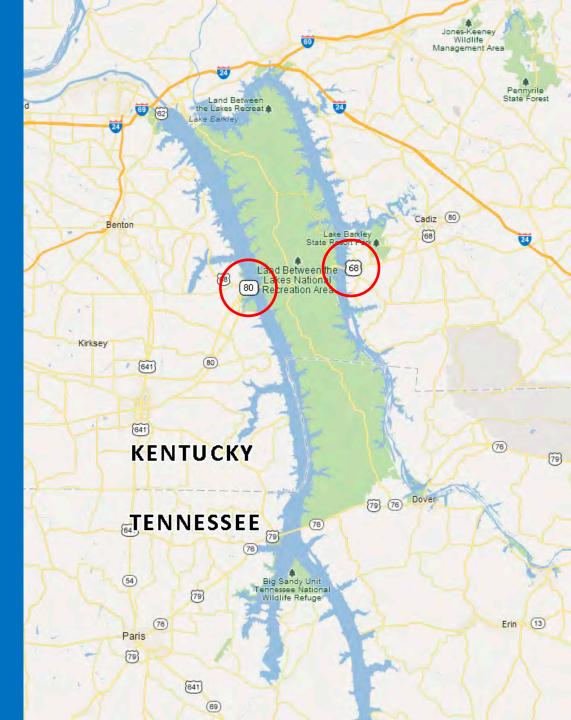
Cache River State

Natural Area &

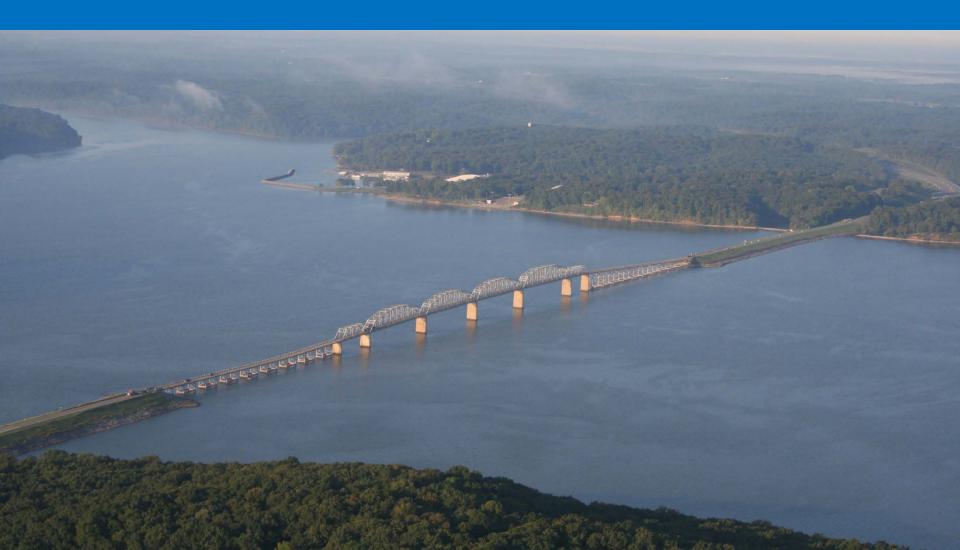
Union County



Land Between the Lakes



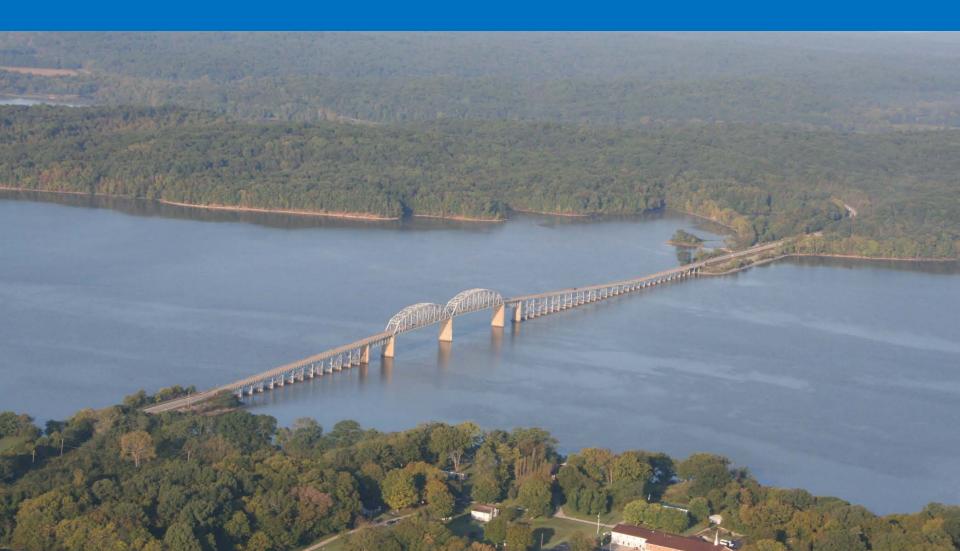
Existing Kentucky Lake Bridge



Future Kentucky Lake Bridge



Existing Lake Barkley Bridge



Site Map

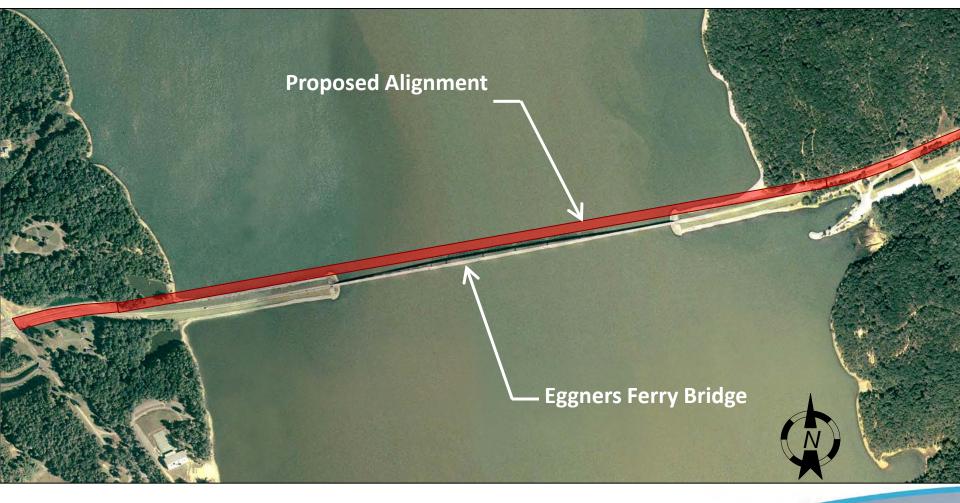


Kentucky Lake Bridge





Kentucky Lake Alignment





West Shore - Lagoon Bridge





West Shore - Causeway



Eggner's Ferry Bridge

- Opened 1932
- Raised 1943

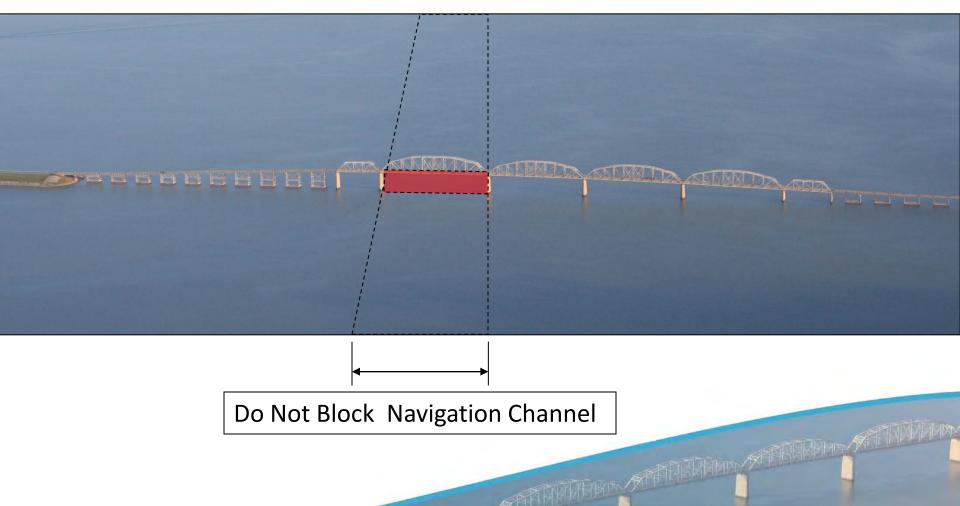
• Vibration Monitoring





Navigational Channel

Kentucky Lake (Looking North = Downstream)

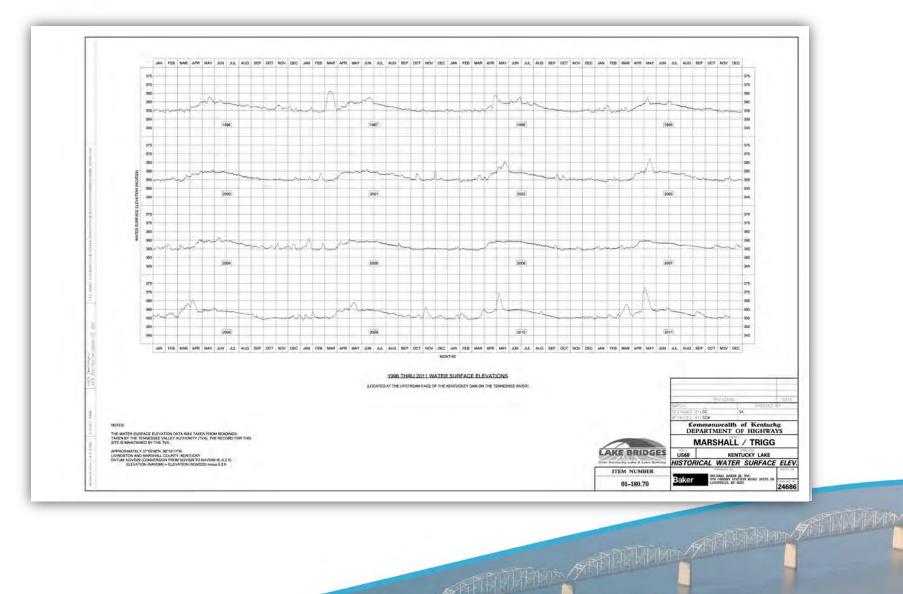


Kentucky Dam





Water Surface Elevation Varies





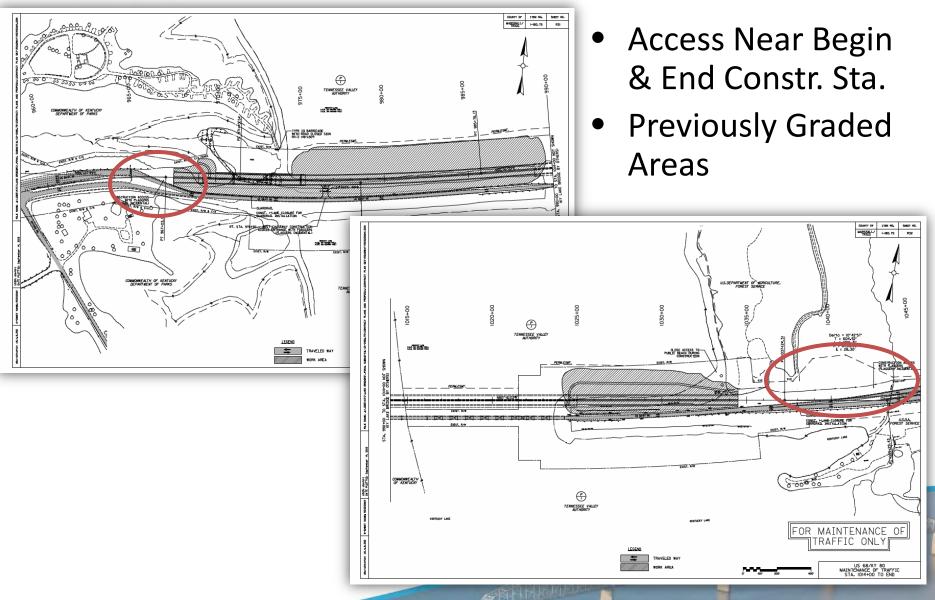
Environmental Commitments

WHEN MADERIAL STERLIGHT

- See Special Notes on Sheet R2C
 - Constr. Noise
 - Disturbance Areas, Clearing & Grubbing
 - Invasive Species
 - Work Hour Restrictions
 - Etc.
- See Erosion Control Notes on Sheet R33
 - Constr. In/Near the Waters of KY Lake



Construction Entrances

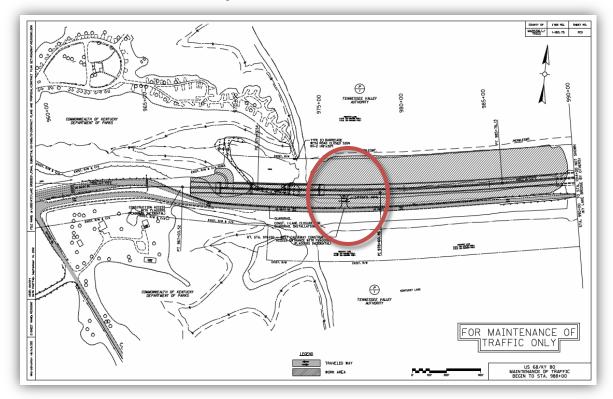




Construction Entrances

TOTALS ANTITUTE ALTERNATION

• West Causeway Construction Entrance





Construction Entrances

US 68/KY 80 MAINTENANCE OF TRAFFIC NOTES

• See Note on Sheet R30

| <text><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></text> |
|--|
| In the conduction of the control field of contro |

To remain in place for future use by others during KY Lake Bridge construction



Contractor Coordination

• See Note on Sheet R30

UNTY OF 270+ HS. SHEET HS. MAINTENANCE OF TRAFFIC NOTES MARSHEL/ 1-180,75 R50 NOT RESTRICTION TREFEC SHALL IS WANTADED IN ACCORDANCE WITH THE MANUAL ON UNFORM TRAFFIC CONTROL DEVICES THE STANDARD SPECIFICATIONS FOR ROAD AND DRIDGE CONSTRUCTION AND THE STANDARD DRAMPAGE. O LANE OLOSURES NO DENTIFIED IN SECTION AND THAPPE CONTROL BED ITEMS LETTER, ALL PT TRAPPE WELL BE MED AT THE LOAP SLA BED PPER DO THE COMPANY STANDARD SPECTREMENTED FOR HEA GED FOR DN THESE NOTES. THE LOAP SLA BED TO ' IT IS NOT LOATED TO. THE FOLLOWER THAT AND IT IS NOT LOATED TO. THE FOLLOWER THAT AND (of the Proposed Quanting, have the existing form, sciences or the Prace Formed program to single construction activities to provide programment in a science of the Quanting, beliables appart after collisions, ed. & the watertrained of the Quanting, beliables appart after collisions, ed. & the to of the Construction and Preferences of the Construction of the Development. AND NECESSARY ORADASE UNLESS OTHERRISE NOTED IN THESE PLANSIFOR D REMOVAL THEREOF, WHEN IT IS NO LONGER MEDIED. 8. ALL LABOR AND MATERIALS INCESSARY FOR CONSTRUCTION AND MAINTBAINCE OF TRAFFIC CONTROL ANY TEMPOLARY FILAPIZE CONTROL ITEMS, DEVELSE, MATERIALS AND DECEMPTALS SHALL HEARIN THE PROPERTY OF THE CONTRACTOR MEEN NO LONGER MEEDED, UMLESS OTHERWESE MOTEO IN THESE PLANS. 5. THE CONTRACTOR SHALL COMPLETELY COVER ANY SLOVE, ETHER DESTENS, PERMANENT OR TEMPORARY, MEEH DO NOT PROPERLY APPLY TO THE CORRECT SPARTIC PRASME, AND SHALL MENTAGE RE COVERING UNTEL THE STORE AND LINE VIEW OF AN EXPLOSURE. 6. DE GENERAL, ALL TRAFFIC CONFECT, DEVICES SHALL BE PLACED STATTING AND PROCEEDING IN THE ODECTION OF THE PLOW OF TRAFFIC AND REMOVED STATENG AND PROCEEDING IN THE ODECTION OPPOSITE THE PLOW OF TIMETERS ACCESS ENTINGE THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVER THE STORAG REPORT TRAFTIC IS ALLONG TO USE ANY LANG CLOSURES, CROSSOVERS ON OFTICARS, ALL SECAND SHALL BE APPROACH ON THE PROCEEDING REPORT ROOMS, CAN BE STATED BY THE CONTRACTOR. OUTLINED ON THESE PLANS AND THESE PROVIDE, HE SHALL PRAVE AN ALTERNATE PLAN AND HIGHNE TO THE EXCENSES, THIS ALTERNATE PLAN AND HE WERE ONLY AFTER REVERS AND AN UNITAINANT, OF HIMPER, SEEN AND CONSTRUCTION, AND THE WERE ONLY AFTER REVERS AND AN IF TRAFFIC SHOLD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY HENGLE ON AN OPECIAL BARRINGY RUN ARRYING AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR T PASSAGE OF THAT YMORELLA SO COLDENT AS POSSIBLE. US 68/KY 80 MAINTENANCE OF TRAFFIC NOTES

 Share Access to West
 Causeway
 Work Area

A Cooperate system
 B Cooperate system



Contractor Coordination

TANKS / METERIAL METERIAL METERIAL

- Misc. items to remain in place for future use by others during KY Lake Bridge construction
 - Selected Temporary Signs
 - See Sheet R30
 - Erosion Control Devices
 - See Sheet R33



Roadway and Causeway

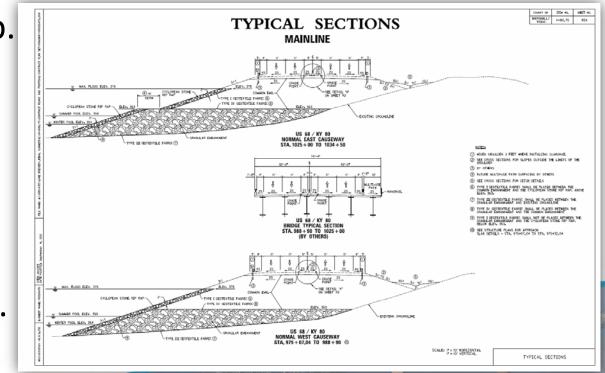
TOODER ANTIPARTICAL STRUCTURE STRUCTURE

- Grade and Drain Construction
 - West Approach to Lagoon Bridge
 - West KY Lake Causeway Widening
 - East KY Lake Causeway Widening
- Work area is outside the limits of existing roadway
- Paving not included; will be in future construction package



Causeway Widening

- Proposed Causeway Material
 - Granular Embankment from existing lake bottom up to min. elev. of 363 ft.
 - Common Emb.
 above elev.
 363 ft.
 - Cyclop. Stone
 Rip Rap slope
 protection up
 to elev. 375 ft.





1

ĕ

Causeway Widening

ITEM NO. SHEET NO.

COUNTY OF MARSHALL 1-180.75 R40

 See Geotechnical Notes Sheet R40 for causeway embankment material specifications

GEOTECHNICAL NOTES

- Clearing and grubbing of embankment areas shall be completed in accordance with Section 202 of the current Kentucky 1. Department of Highways Standard Specifications for Road and Bridge Construction.
- 2. Removal of existing structures and other obstructions shall be completed in accordance with Section 203 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
- Based upon available soil testing performed along this project, some soil horizons are considered to be eradible. Procedures shall be performed as required to control erasion and water pollution in accordance with Sections 2(2 and 2(3 of the current) Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.
- 4. All water wells and/or cisterns within the limits of construction, whether shown on the plans or not, shall be placed in accordance with Section 708 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.
- All channel changes and special ditches shall be constructed prior to placement of any embankment materials adjacent to them in occordance with Section 206 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. Materials excavated from these areas may be utilized in construction of the embarkments, but may require ceration to the proper moisture contents prior to compaction contents. No extra payment shall be permitted for re-handling, hauling, stockpiling and/or manipulating these materials.
- 6. In accordance with Section 206 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, the moisture content of embankment and subgrade materials shall not very from the optimum moisture content, as determined by KM 64-51, by more than plus or minus two percent. This moisture content requirement shall have equal weight with the density requirement when determining the acceptability of embankment and subgrade construction. Embankment materials that are constructed above Elevation 363 feet shall be compacted to at least 95 percent of the standard proctor maximum dry density as determined by KW 64-51L. Refer to the family of curves for moisture-density relationships
- The Contractor is responsible for conducting any operations necessary to excavate the cut areas to the required typical sections. These operations shall be incidental to Embankment in Place.
- All sells, whether from roodway excevetion or borrow, may require manipulation to obtain proper moisture contents prior to compaction. Direct payment shall not be permitted for re-handling, hauling, stackpiling and/or manipulating soils.
- 9. Existing stone riprop in the footprint of the proposed embankment shall be removed and/or stockpiled prior to any embankment construction or ground improvement being constructed. This will include the existing stone riprop above and below the waterline. These operations shall be incidental to Granular Embankment below Elevation 363 feet and incidental to Embankment in Place above Elevation 363 feet.
- Ground Improvement shall be constructed in occordance with the "Special Note for Wet Deep Soil Mixing." Construct 10. Wet Deep Soil Mixing at the following station intervals before any of the embankment is constructed

 Station 974+60 to Station 976+04 Station 987:40 to Station 989:59 Station 1024+50 to Station 1026+02

The embankment from the existing ground line to a minimum elevation of 363 feet shall be constructed of Granular Embankment meeting the requirements of Section 805,10 of the Standard Specifications for Road and Bridge Construction, current edition. This portion shall be constructed by end-dumping and grading the material lin accordance with Section 805 of the Standard Specifications for Road and Bridge Constructioniinto the lakes edge until a firm working platform is constructed above the water upon which normal emborkment construction can take place. As per Section 805,03,04 of the Standard Specifications for Road and Bridge Construction, the groundar emborkment shall be non-roadfield and stable notherical and is required to be guary-processed linestance. The autiside generity of this parties of emboriment should be such that the tee of the construction bern should extend to the opproximate location of the projected roadway embonkment toe, resulting in an effective geometry from top of slope to tee of slope. Prior to placement of granular enbonkment, Type III generatle fabric shall be placed beneath the granular enbonkment, and at the interfaces of the granular enbonkment and existing graund line. Also, in accordance with Section 24.03.03 of the Standard Specifications for Road and Bridge Construction, it will be required to limit the drap height of the lowest 2 feet of granular embankment to no greater than 3 feet to avoid danaging the Type III geterative form. Prior to the deserve of the embankment naterials above Elevation 363 feet and after placement of the granular embankment, Type IV geterative fabric shall be placed on the granular embonisment to serve as a separator. Both Type III and Type IV geotextile fabrics shall be in accordance with Section 2M and 843 of the current Kentucky Department of Highways Standard Specifications. This work shall be done as shown on the project cross-sections and as directed by the Engineer.

All fill slopes shall be protected with a minimum two feet of Cyclopean Stone Riprap meeting the requirements of Section 805 of the Standard Specifications for Road and Bridge Construction, current edition. The riprop shall be placed as an Integral part of the enbankment and not as an additional thickness on the outside face of final enbankment geometries. The riprop shall extend from the toe of the embankments upwardy to Elevation 315 feet. The riprop shall be placed in accordance with Section 103 of the current standard specifications for Road and Bridge Construction and as directed by the Engineer. A type Iodextent Fohrie, meeting the requirements of Sections 24 and 80 of the Standard Specifications for Road and Bridge Construction, current edition, shall be placed between the embankment above Devation 363 feet and the slope protection.

Tests. Coordination between the load test contractor and the ground improvement contractor will be required. Refer to the "special Note for Pile Load Testing Program" for specific details, locations, and required coordination with roadway construction.

14. The Contractor is allowed to construct portions of the embankments on this project prior to and/or concurrently with pile load testing, and bent construction and the ground improvement that is being constructed in the intervals mentioned in the Geotechnical Note Number 10, if desired. These enbankment areas include the following:

ioning of Project to station 968+75

Materials used for embankment construction above Bevation 363 feet shall have the following minimum effective strength parameters:

> Cohesion (c') = 50 PSF Friction Angle (07) = 30

The friction angle of 30° as shown above is an absolute minimum for the embankment materials above Elevation 363 feet. Also, if the contesion of the emborisment materials is found to have a contesion value less than 50 PSr, then the friction angle has to be a minimum of 32". These minimum strength parameters shall be verified through the use of laboratory tests on collected samples to obtain source approved. The Contractor is responsible for obtaining the necessary samples through the use of either tast pits or ouger barings, performing the roughred laboratory tests and researcessites in advance for KTC's approval pirot to beginning construction of the extendiment advance Beerdian 353 feet. Laboratory testing on these samples shall include Consolitated Indrama (ID Hriskia) in accordance with MSHD 1297 for determining the material's strength. Prior to performing the CU triaxial tests, the lab samples are to be compacted to a minimum of 95% standard practor maximum dry density as determined by KW 64-511. Also, the moisture content of the lab samples shall not vary from the optimum moisture content, as determined by KW 64-511, by more than plus ar minus two percent. It is required that all necessary CU triaxial tests be performed and approved by KYTC prior to beginning construction of the embankment above Elevation 355 feet. A minimum of one 00 set of triaxid tests shall be completed for up to 50,000 cubic yords of embankment or for every change in either material type or barrow source. One (0 CU set to cap ho space cap be a breach that the province of the second s Laboratory testing needs to be performed by a firm pre-qualified by KTTC for Geotechnica Laboratory Testing and AASHTO Waterials Reference Laboratory (AWRL) Accredited for AASHTO 1297, T88, T89 and T90. Prior to beginning testing, consult the Geotechnical Branch to ensure that a lab is accredited or certified. The cost of obtaining the samples and performing the laboratory tests shall be incidental to the unit price for Embankment in Place.

A THE REPORT OF THE PARTY OF TH

GEOTECHNICAL NOTES

TREASED ST TRAVERD



Causeway Widening

- Other Activities within Causeway Footprint
 - Wet Soil Mixing
 - See Special Note for Wet Deep Soil Mixing
 - See Sheets R83-R90
 - Pile Load Testing
 - See Special Note for Pile Load Testing Program
 - Granular Pile Cores
 - Lagoon Bridge
 - See Sheet S12 for embankment construction sequence at End Bent 2
 - KY Lake Bridge
 - See Sheet R25-R26 for embankment construction sequence at end bents



Summary of Deep Soil Mixing

- Deep Soil Mixing is Needed to Improve Subsurface Soils based on Seismic Design Considerations
- Deep Soil Mixing Initial submittals required including Qualifications, Schedule, Construction Plan and Shop Drawings
- QC Requirements including the use of Pre-Qualified Drilling and Lab Consultants
- Wet Deep Soil Mixing Introduces a Binder in Slurry Form with Existing Soils

AND THE MET PERMIT AT A BUILDING STATE

• Creates a Column of Improved Soil

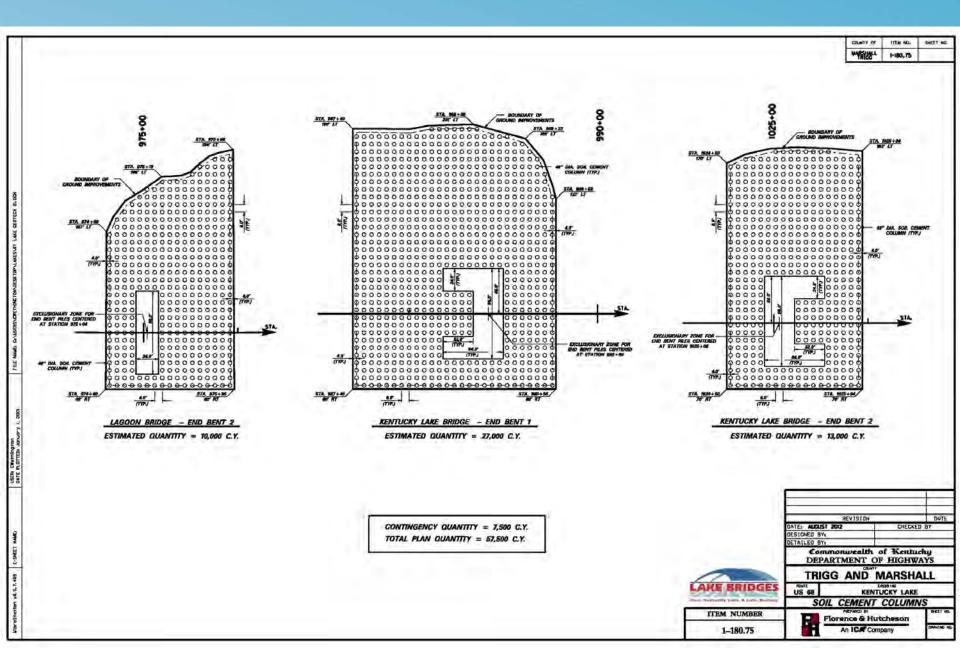


Summary of Deep Soil Mixing

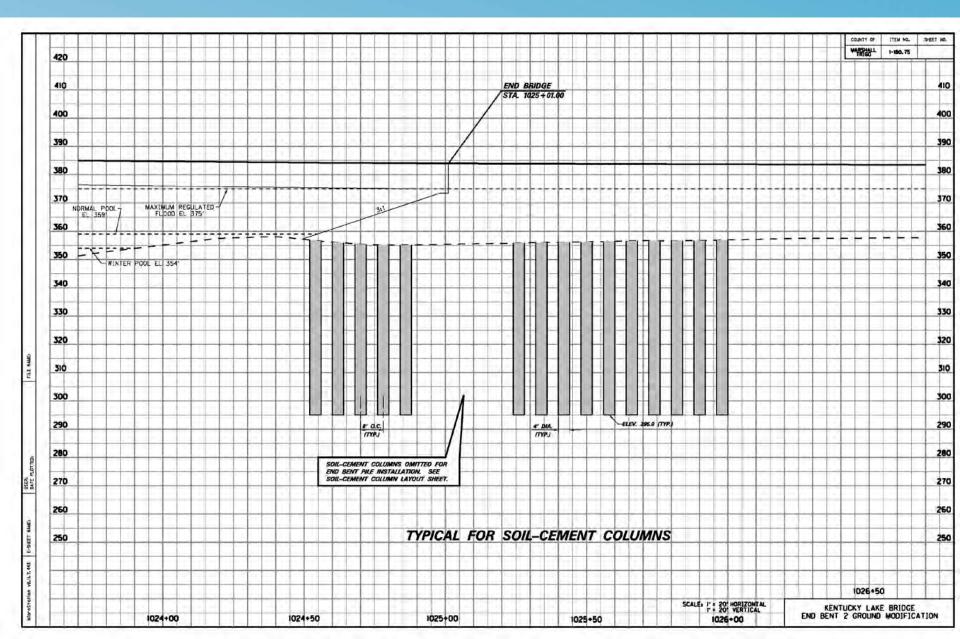
STRUTTURE ANTIPARTICLE STRUTTURE STRUTTURE

- Project Limits:
 - 1. STA 974+60 to STA 976+04
 - 2. STA 987+40 to STA 989+56
 - 3. STA 1024+50 to STA 1026+02
- Total Plan Quantity = 57,500 CY of Soil-Cement
- Possibility of Chert Encountered above Plan Column Tip
- Work on Barge for Soil-Cement Columns Under Water
- Exclusion Zones for Pile Installation at 3 End Bents

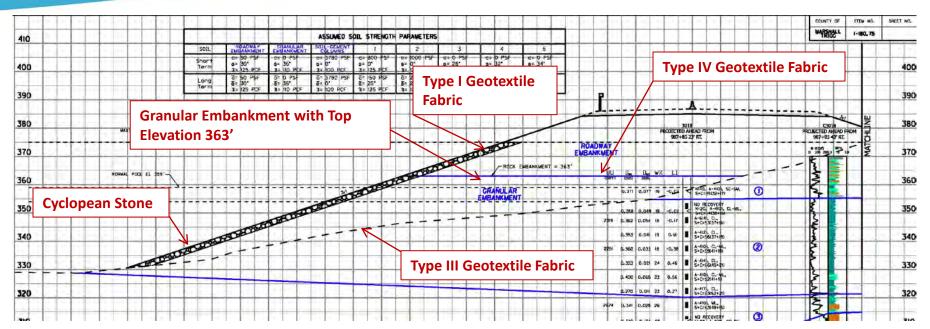
Deep Soil Mixing



Deep Soil Mixing



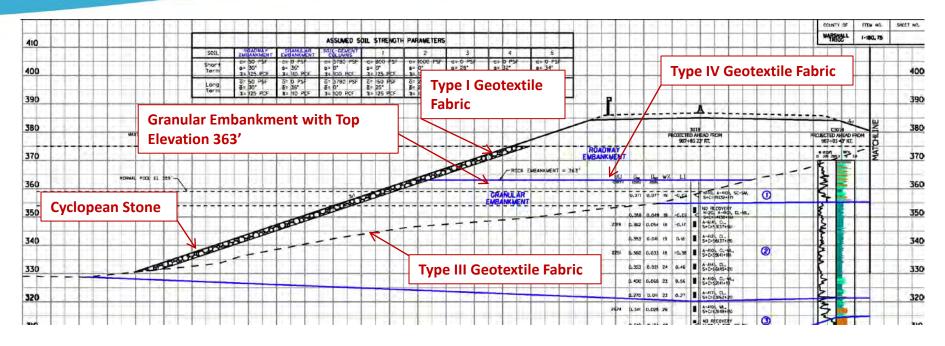




- Prior to placement of Granular Embankment, Type III Geotextile Fabric shall be placed between Granular Embankment and existing ground line
- Granular Embankment up to Elevation 363' by End Dumping Method as per Geotechnical Notes
- Type IV Geotextile Fabric shall be placed on top of Granular Embankment as a separator
- Acceptance Requirements in Geotechnical Notes for Embankment Materials Above Elevation 363'
- Lab Tests to be completed by Pre-Qualified Geotechnical Labs - Refer to Geotechnical Notes



Causeway Construction

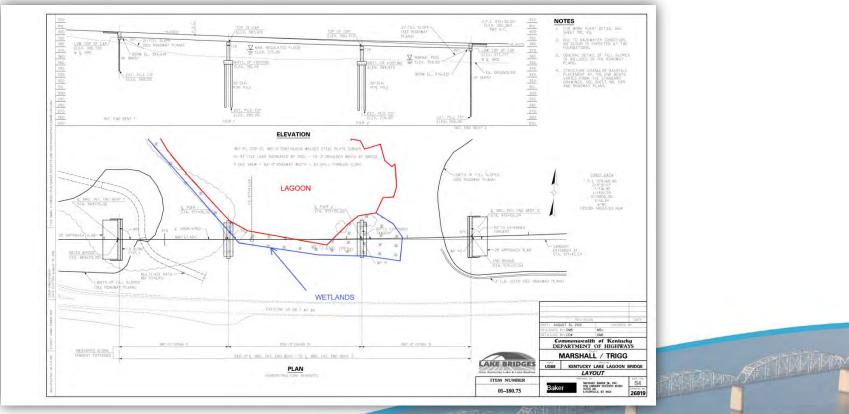


- Type I Geotextile Fabric between embankment above elevation 363' and the slope protection
- Fill slopes protected with 2' of Cyclopean Stone Riprap up to Elevation 375'
- Telltales are incidental to Granular Embankment rather than Embankment in Place.



Lagoon Bridge

- Why a Bridge vs Causeway
 - Lagoon
 - Wetlands





Specific Site Issues

THERE AND DEPENDENCE STEPHENE

- Seismic
 - High Seismic Zone
 - Essential Bridge
- Environmental Concerns
 - Mitigation Area for Wetlands
 - Span Arrangement set by Lagoon and Wetlands
 - Concrete Spillage due to Construction Activities into Lagoon and Waters of Kentucky Lake



Non-Standard Specifications

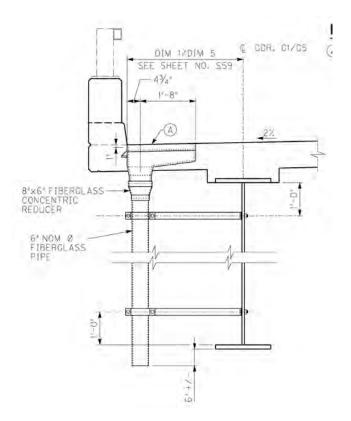
- Material Specification contrary to KYTC Std Spec Book
 - Steel Reinforcement (General Notes Sht S2)
 - ASTM A706/Grade 60 Pier Columns and Piling Spirals
 - ASTM A615/Grade 60 All other areas
 - Painting of Structural Steel (General Notes-Sht S3)
 - Contractor has the option to apply all painting system in shop. (Touch – up in the Field).

STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE



Non-Standard Details

- Deck Drains Sht S39
 - Neenah R-3922 Drain
 - Additional Slab
 Reinforcement @ Drain
 (Sht S42)



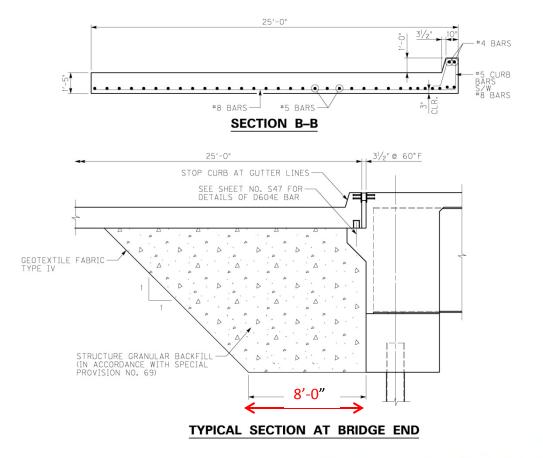
TELEVISION AND REAL AND

AT NI



Non-Standard Details

- Approach Slab
 Sheet S49
 - Expansion Joint
 - Curb
 - Non-standard
 extents of
 structure
 granular backfill

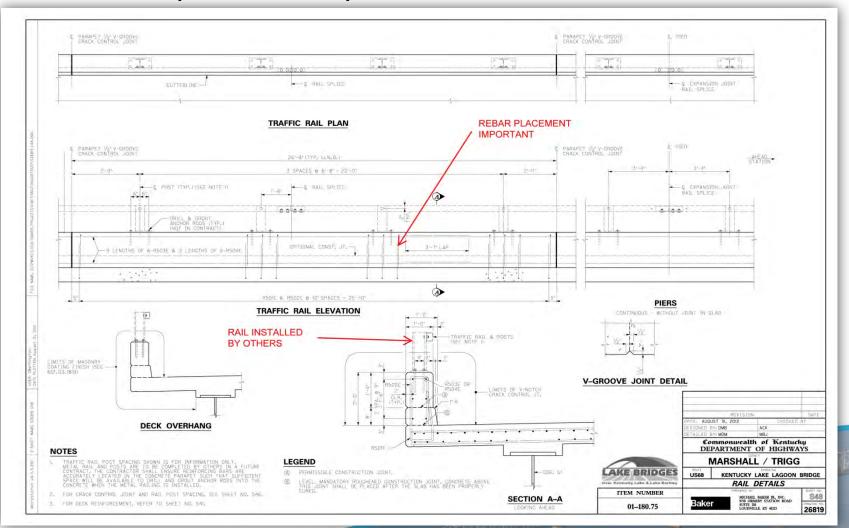


STATISTICS / STATISTICS / STATISTICS



Non-Standard Details

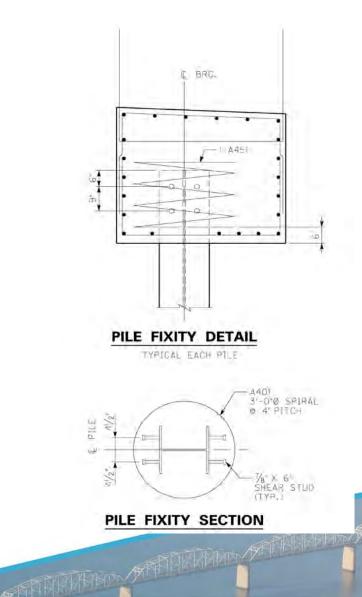
Barrier (Sheet S48)





Seismic Related Details

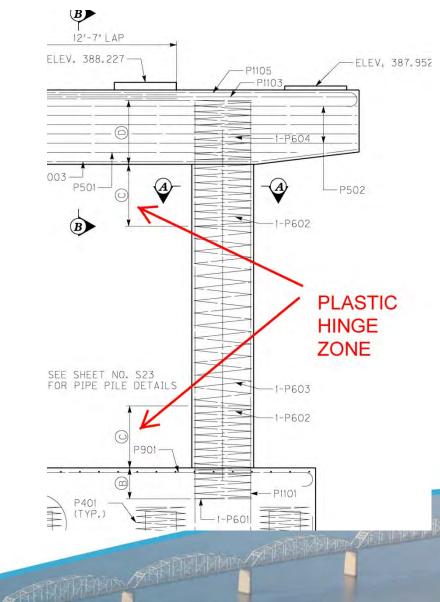
- Pile Fixity Detail at End Bents (Shts S17 & S26)
 - Shear Studs
 - Spiral Rebar





Seismic Related Details

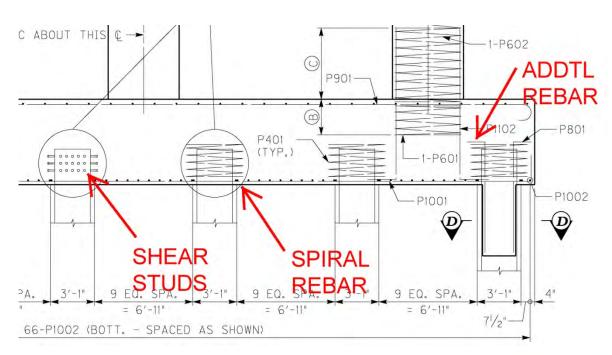
- Plastic Hinge Zone
 @ Pier Columns
 - Spiral Rebar 3 ½"
 pitch
 - Spiral Embedment
 - Spiral Splice
 Restrictions See
 General Note on
 Sht S2





Seismic Related Details

- Pipe Pile Detail at Pier Footings
 - Shear Studs
 - Spiral Rebar
 - Addtl Rebar
 for Corner
 Piles @ P2



ATTENT AND ANTIPART ANTIPART ANTIPART



Lagoon Bridge Geotechnical Considerations

THERE AND DEPENDENCE AND THE MEDICAL PROPERTY OF THE PROPERTY

- Special Note for Subsurface Conditions -Very Dense Chert Soils present at varying elevations
- Pre-Probing and Pre-Drilling Required at Specified Locations
- H-Piles for End Bents
- Pipe Piles for Interior Piers



Lagoon Bridge Geotechnical Considerations

THERE AND REPORT AND AND AND

- End Bent 2 Construction Sequence
- End Bent 2 Ground Modification
- Dynamic and Static Pile Load Tests
- Highest allowable pile tip elevations specified



Pile Load Test Special Notes

ATTINATION ANTIPARTITATION ATTINIANA

- Pile Load Test Program overview with initial submittals, schedule importance, test pile driving criteria, summary of program – initial driving criteria to get to test depths, very large test loads required, final, extended driving criteria
- Dynamic Pile Testing details on qualifications, submittals, approach, etc.
- Static and Pseudo-Static Pile Testing details on qualifications, submittals, approach, instrumentation, etc.
- Vibration Monitoring Pre-Condition Survey and Vibration Monitoring requirements



Pile Load Test Special Notes

THERE AND BELLEVILLE

- Artificial Plugs
- Special Pile Testing Consultant

Pile Load Test Program Summary

| | | | | | Pi | le Testin | g Summary | |
|------------------|---------------|--------------|--------------|---|---------|-----------|----------------------------|------------------------------|
| Test Pile No. | Location | Pile Type | Pile Size | Nominal Pile Wall Thickness inches | Dynamic | Static | Pseudo- Static Axial | Pseudo- Static Lateral |
| L-1 | End Bent 1 | H-Pile | HP 18x157 | - | Х | х | | |
| L-2 | Pier No. 2 | OEPP | 30" | 1.0 | Х | Х | | |
| K-1 | Shallow Water | OEPP | 48" | 1.5 | х | Х | | |
| K-2 | Shallow Water | OEPP | 48" | 1.5 | х | | Х | |
| K-3 | Shallow Water | OEPP | 72" | 2.0 | х | | х | х |
| K-4 | Shallow Water | OEPP | 48" | 1.0 | х | | | |
| K-5 | Shallow Water | OEPP | 72" | 1.5 | х | | | |
| K-6 | Deep Water | OEPP | 72" | 2.0 | х | | | |
| K-7 | Deep Water | OEPP | 96" | 2.0 | х | | | |

Pile Load Test Schedule

| Item | Test Pile No. | Calendar Days From Notice to Begin Work | |
|---|--------------------|--|--|
| Submit Detailed Test Program Schedule, Testing Firms/Subcontractors, Test Locations, Artificial Plug Locations and Design | K-1 to K-7 | 30 | |
| Start of Test Pile Driving | K-1 to K-7 | 135 | |
| Completion of Testing on Piles That Receive Dynamic Testing Only | K-4, K-5, K-6, K-7 | 170 | |
| Completion of all Dynamic, Static, and Pseudo-Static Load Tests | K-1 to K-7 | 185 | |
| Final Submittal of ALL Test Results | K-1 to K-7 | 195 | |

Liquidated Damages Apply – refer Special Note Be ready to order Piles upon Notice To Begin Work



Site Visit Logistics





Questions?

WHERE SETTING STADBURD STADDING





Mandatory Pre-Bid Meeting Marshall-Trigg Counties US 68 Over Tennessee River



October 4, 2012

Contract ID 12-1354 Grade & Drain with Bridge October 19, 2012 Letting

NAME (PRINT) SIGNATURE Bobby Hamilton Mas:THEV BRIAN MCREANOLDS JUSTIN MYORS in BEN BALDOCK HILLE CARTOR TEPHENI K. GERLACH Doug Smith Jour 4/61 Owen Bryan Black Kon Triplett Danny HINES on Keberton TON INN WHITE FN Hawle Kyle KEVIN WOLFE JIM MOLDOVAN Hal Coffey SHANE STEELE

COMPANY Jin Smith Contraction JIM SMITH OUTROCTING LLG Jim SMITH COMPRACTING LLC SCOTT & MURPAY, INC HALL CONTRACTING OF K.J. INC. Certified Construction Kytc KYTC. Hayward Baker ALX RESOURCES Apolied Foundation Testing ENGINEERS NC Skyline Steel HAYDON FRIDGE CO., INC. C.J. MAHAN CONSTRUCTION COMPANY Harald CoFFEY Const. Co C. J. MAHAN CONST. CO.

PHONE # EMAIL 270/362-8661 Chanilton@ iscky.com 270/312-8661 Bric- PISCKY.Com Inverse Ischy. com 270/362-8661 270.781-9944 BBALDOCKESCOTTADDMURDHT. COM 270-781-9544 PCARTIN CSCUTTASMYAPON COM 502-367-6151 SGERLACE E HALLA. COM desmithe botel. com 270-351-2441 270 293 7313 Tyler. Dwen @ Ky. gov 270-753-2993 Bryan Black P.KV. au retripletta harward baker com 336 601 0281 278-519- 2004 dhines @ Calkresources. Com 904-284 4337 DRobertsone Testpile, Com (16-831-6131 buhite Garlergineers, com 513-509-9079 tyle. hawley eskyline Steelicor Kwolfel@ haydonbridgecompany.com 859-336-7533 614-87.5-8200 imoldovano cimaban.com 2702363102 COFFEY COnst & Bell South SSTEELE & CJMANALL. COM 614-975-8200

Mandatory Pre-Bid Meeting Marshall-Trigg Counties US 68 Over Tennessee River



Contract ID 12-1354 Grade & Drain with Bridge October 19, 2012 Letting

Sign-In (KYTC District 1 Office) October 4, 2012

NAME (PRINT) SIGNATURE COMPANY PHONE # EMAIL Stupp Bridg. 314-549-7521 1919rdinge Jay 1a + dina Topp. con MICHAEL ROLLINS WALSH CONSTRUCTIONS (219)661-2458 Mrollins@wels/group, com TC mbohleber @ tray lor. con Bohleber Traylor Bros. Inc. 812-477-1542 270 - 205 -0802)mith Jim Smith Conf. INC. rex PUSCKY.com 5138258100 Richard dakelere goettle. Gu Goettle 614-314-3621 CJ Mahan Construction Malcolme ejmahan.com hite alcolm alcolm lete. Piper + Services 1 Piper & hughes gr.p. com Contracting 812-285-4105 American 9501 Michae Rogers 6 1000 270 - 348 - 4913 michoe), consters Grogers grouping, com Johnson 270-886-3344 GARY Logens Georg GORY. Johnson & Roger 9 Runo IN, COM LORI HARDOS prixaiser Kogerstikoup InC 270-886-3344 Ibri. harpererogensgrouping. com

2

UN

Mandatory Pre-Bid Meeting Marshall-Trigg Counties US 68 Over Tennessee River



Contract ID 12-1354 Grade & Drain with Bridge October 19, 2012 Letting

| NAME (PRINT) | SIGNATURE |
|------------------|-----------|
| PHILLIP CARTON | |
| BEN BALDOCK | |
| Don Rebertson | |
| BRIAN MUREYNOW) | |
| Jason Piper | |
| David Keller | |
| Doug Smith . | |
| DEN WHITE | |
| MICHAEL ROLLINS | |
| KEVIN WOLFE | |
| LORI HAMPER | |
| GORY JOHNSOL | |
| STEPHEN GERLACIV | |
| Hal CoFFey | |
| Ron Triplett | |
| Malcolm White | 2 |
| SHANE STEELE | 8 |
| JIMMOLDOVAN | |

| COMPANY | PHONE # | EMAIL |
|---|---------|-------|
| SCOTT & MURPHY | | |
| Applied Foundation Testing | | |
| JEM SMITH CONTRACTING | | |
| A nessear Contracting & Service Richard Goettle, Lic | S | |
| Certified Const. | | |
| GRL ENGINEERS | | с |
| WALSH CONSTRUCTION IT | х. | |
| HAYDON BRIDGE CO., INC. | | |
| ROBERS GROUP Inc. | | |
| HALL CONTRACTING OF KY INC. | | |
| COFFEY CONST. | | |
| Haywourd Baker CJMCC | | |
| | | A |
| CJ MIAHAN COWST CO. | | |
| CJ MAHAN CONSTRUCTION CO. | | |