CID #: 19-9001 -- I-275 Interchange @ Graves Road Boone County, KY Pre-Proposal Meeting Minutes 3/14/2019

The purpose of this meeting is to provide an overview of the entire project, discuss specific points included with the Instructions to Proposers (ITP), review the project schedule, and accept/answer Design Build Team (DBT) questions.

Rob Franxman District 6 construction coordinator opened the meeting by welcoming the teams. He stated that the pre-proposal meeting is mandatory. A sign in sheet is provided and all teams must sign in before leaving.

Contract ID 19-9001, State Project FD52 008 0275 006-010

Mike Bezold, District 6 TEBM for project development provided an overview of the preferred alternative. He notified the group that the Interchange Justification Study (IJS) for the preferred alternative has received FHWA approval. The approved IJS includes commitments to perform improvements to the existing I-275 / KY 237 (Exit 8). The conceptual improvements are depicted on the preferred alignment display. These improvements include added storage to the west bound exit ramp, Exit 8A, widening of KY 237 to provide dual left turn lanes for the westbound I-275 on ramp, and revised radius to the KY 237 to I-275 east bound on ramp.

This project will also include a safety improvement project at the intersection of KY 20 / Fister Pl Blvd / Lauren Meadows Dr. An addendum to the ITP will include a complete description of this work.

The IJS also required additional safety "spot" improvements along KY 20 to the west, but this will not be part of the scope of the design build contract.

Mandatory, requirements from ITP were reviewed.

Rob Franxman indicated that the proposed interstate widening is required to be concrete. The remaining areas may be bid as alternates. Each DBT must identify the type of pavement being proposed.

Project is federally funded and will required DBE participation.

Overview of Scope. The successful team shall provide all engineering services, design, construction plans, right of way plans, acquisition of right of way, relocation of utilities, construction.

Reviewed design/construction standards listed in the ITP.

The DBT must acquire all applicable manuals.

Environmental – Section 9 of the ITP, the "footprint" of the preferred alternate identified in the IJS has received National Environmental Policy Act (NEPA) clearance via a Categorical Exclusion Level 3 which was approved late February 2019. If the DBT chooses to pursue impacts outside of the approved area, it is their sole responsibility to conduct the necessary field work and complete any necessary coordination to obtain environmental clearances including updates to the previously approved document.

KYTC is working to acquire Army Corps of Engineers ACOE permits for the approved footprint and KYTC intends to pay the "in-lieu" fees for this footprint. If DBT decides to go outside this boundary, it will be their responsibility for approvals and fees.

Section 10, ROW. Stressed the need for DBT to review this segment. The DBT will be responsible for all services and costs to obtain right of way. The DBT will perform all negations etc. up to and including condemnation. KYTC will issue the check to the property owner.

Section 11, Utilities – Stressed the need to review in detail. The DBT is responsible for all coordination with companies. Some utilities may require that relocation is completed by their own forces. KYTC has met with all companies in preparation for DBT.

Specifics – MOT – the goal of the project is to keep the current number of lanes in service throughout the construction. Road closures along Graves Road will be permitted and a 1 week closure will be permitted along Worldwide Blvd. Access to all properties and Williams Road must be provided at all times. Refer to Section 12 for additional details.

Section 12.2.2 interstate ramp design shall use KYTC common practices.

Section 12.2.4 Basic design parameters have been established. Final design from the DBT must be equivalent or better than what was provided.

Section 12.2.6 Dimensions of the typical sections are fixed.

Special provisions are listed in Section 12.2.11, including items such as architectural treatments for vertical concrete surfaces, intelligent compaction of materials and eticketing for the delivery of some materials.

Section 12.3 Structures – The DBT shall ultimately be responsible for final design and construction of the structure over I-275 according to all applicable standards. The DBT responsible for all geotechnical work required. Any slopes steeper than 3:1 shall be reinforced slopes due to the nature of the soils in the area.

Section 12.4 – Traffic related items. Specifically, 12.4.2 provides guidance for perm signage including overhead signs for the interchange and auxiliary lanes.

Section 12.4.3 provides guidance for the four traffic signals required for the project.

Section 12.4.4 provides guidance for lighting the interchange and roundabout at KY 237.

Section 15 the DBT will be allowed to break the project into buildable units. The DBT shall be permitted to submit buildable units according to their own discretion.

KYTC is offering the opportunity for short listed teams to develop Alternative Technical Concepts (ATC's). This topic is covered in Section 6.1 of the ITP. ATC proposals must be equal to or better than baseline design. Bi weekly meeting will be held on Wednesdays to discus ATC's. DBT must notify KYTC the Friday before the next meeting. Also, notify KYTC if a Subject Matter Expert (SME) is required at the next meeting. All information will be held confidential throughout the proposal process. Upon award of the project, unsuccessful teams that receive the stipend, will have their ATC's become property of the KYTC.

The last acceptable date for completion of the project is 8/1/22. Short-listed DBT's shall submit an actual completion date during the proposal process and that date shall become the contractual completion date. Liquidated Damages shall be assessed at \$5,000 per day if the project is not complete by the submitted completion date.

General project schedule was reviewed, see Section 1.1. Key dates:

- 3/29/19 Statement of qualifications.
- 4/12/19 Announce short list of 3 teams. Any shortlisted team will be awarded 50k stipend if not successful.
- 8/2/19 Technical Proposals Due
- 8/16/19 Price Proposals Due

Background design information will be provided today. Flash drives are being provided with all preliminary designs. Will also be available on website. ** Update following Meeting** Due to the size and structure of the information contained on the flash drives, the information cannot be posted on the website. If copies of the information are needed please contact Robert.Franxman@ky.gov.

Addendums are being posted on the DB segment of the website. Each team will be notified when an addendum is issued.

There will be a new addendum to discuss questions asked during the Pre-Proposal Meeting. KYTC is developing specific website to address questions. When this is available there will be an addendum. ** Update following Meeting ** Due to restrictions within the website structure, a website based Q&A system can't be developed. Questions should still be directed to Rachel.Mills@ky.gov and all questions and answers will be posted within a document on the design build page. All questions for this project should contain the subject "CID #: 19-9001 Graves Road Design Build – QUESTION".

The presentation and Pre-Proposal Meeting is not intended to cover every facet of the Instructions To Proposers for the project. Rather the presentation is intended to highlight some key points within the instructions. All Design Build Teams shall be aware that it is their responsibility to review the Instructions To Proposers, and any related or relevant information, in great detail for specific requirements.

Presentation concluded.

Questions:

Kokosing Construction Company – Asked about guidelines acknowledging addendums. KYTC agreed that proposers will need to acknowledge addenda and questions when submitting a Statement of Qualifications. Such acknowledgement shall be conducted with "Form AOR" included in Appendix Q. An addendum will be posted requiring form AOR to be submitted with the SOQ. KYTC plans to list the minutes of today's meeting and provide copies of presentation and sign in sheets. ** Update following Meeting** Form AOR may be submitted as an appendix to the SOQ. Form AOR will not count toward the page count for the SOQ.

Kokosing Construction Company - Asked if Form "A" that is part of appendix A, can be included with the SOQ as an appendix, or will it count against the page count? KYTC will review. ** Update following Meeting** Form A may be submitted as an appendix to the SOQ. Form A will not count toward the page count for the SOQ. An addendum will be posted indicating that form A may be submitted as an appendix to the SOQ.

Kokosing Construction Company - Asked if the \$1 million incentive for partial completion was intended to be in 2021 instead of 2020? The date remains 2020.

Meeting concluded.

Contractors and Consultants Potentially Eligible for Lead:

*Note, this listing simply identifies companies who fulfilled the requirement of attending the mandatory pre-proposal meeting. All listed companies shall still meet any requirements identified in section 4.1 of the Instructions and the KY Standard Specifications for Road and Bridge Construction.

Contractors:

- Superior Construction
- Walsh Construction
- Lawrence Construction & Leasing
- Prus Construction
- Eaton Asphalt
- Haydon Bridge
- John R. Jurgensen
- Kokosing Construction
- Lonkard Construction
- Louisville Paving
- Bluegrass Paving Inc.
- The WL Harper Company
- Bray Construction
- Judy Construction
- Spartan Construction
- Mac Constrution

Consultants:

- Stantec
- GRW
- Michael Baker
- Beam Longest & Neff
- HDR
- Janssen & Spaans Eng.
- Burgess & Niple
- Woolpert
- Palmer
- American Engineers, Inc.
- Parsons
- TEC Engineering
- Terracon
- WSP
- Geotechnology
- Stupp Bridge

- Carelle

Kentucky Transportation Cabinet Division of Construction KYTC – District 6 -- CID #: 19-9001 Pre-Proposal Meeting



Meeting Date: March 14, 2019

Agenda

- Introduction
- Project Description
 - Mandatory Requirements
 - o DBE
- Highlights of General Scope
 - o Environmental
 - o Right of Way
 - o Utilities
- Highlights of Project Specifics
 - o MOT Items
 - Design Items
 - Special Provisions
 - o Structures
 - o Geotechnical
 - Traffic Items
 - Buildable Units
- Alternate Technical Concepts
- Completion Date
- Schedule
- Data Provided
- Questions



Kentucky Transportation Cabinet (KYTC)

DESIGN-BUILD

Instructions to Proposers (ITP) March, 2019

Contract No. ___19-9001 State Project # FD52 008 0275 006-010

County Boone

Route I-275



2. PRE-PROPOSAL MEETING

This pre-proposal meeting is to discuss and clarify all issues that the project may have.

Location: Boone County Court House

2950 Washington Street

Burlington, KY 41005

Date: March 14, 2019

Time: 10:00 a.m. Eastern Time

The meeting is mandatory for contractors and consultants who intend to be leads on a DBT.

Be Sure to SIGN IN



Project Description / Overview

The new interchange at Graves Road will serve as a "relief valve" for the existing KY 237 interchange (Exit 8), diverting approximately 25,000 vehicles per day from the KY 237 interchange area and improving operational and safety characteristics at that location. Existing Graves Road will be widened to accommodate the diverted traffic and will serve as a much-needed alternative access to industrial areas and direct access to residential areas along the route.





Mandatory Requirements

6. PROJECT DESCRIPTION & MANDATORY REQUIREMENTS

The purpose of this project is to improve mobility and safety in a rapidly growing area adjacent to I-275 between Interstate Exits 8 and 11 in northern Boone County.

The mandatory requirements for the project as identified in the Recommended Alternative of the Interchange Justification Study (IJS) included in Appendix D, are as follows:

- A. A new interchange at I-275 and Graves Road including the loop ramp design and the eastbound 275 combination of ramps separated by barrier wall as proposed in the recommended alternative of the IJS;
- B. The widening of the Graves Road corridor as identified in the typical sections included in Appendix E. The widening shall extend from KY 20 and Bullittsville Road northward to KY 237, and including signalized intersections at KY 20, both exit ramp termini and Worldwide Boulevard. In addition Graves Road / KY 237 roundabout shall be widened from a single lane to two lanes;
- C. A modified tie-in of Williams road to Graves Road;
- D. The extension of the westbound I-275 mainline, three-lane typical section from just west of the KY 237 Interchange to just west of the proposed Graves Road Interchange with concrete pavement;
- E. The addition of an eastbound auxiliary lane along I-275 between the Graves Road and KY 237 Interchanges with concrete pavement;
- F. Minor adjustments to the I-275/KY 237 interchange ramps as described in Section 3.2 of Interchange Justification Study;
- G. The addition of a dual left turning movement from northbound KY 237 to westbound I-275.

DBE

5.11 DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM

It is the policy of the Kentucky Transportation Cabinet ("the Cabinet") that Disadvantaged Business Enterprises ("DBE") shall have the opportunity to participate in the development and performance of highway construction projects financed in whole or in part by Federal Funds in order to create a level playing field for all businesses who wish to contract with the Cabinet. To that end, the Cabinet will comply with the regulations found in 49 CFR Part 26, and the definitions and requirements contained therein shall be adopted as if set out verbatim herein.

5.11.1 DBE GOAL

The DBE goal established for this contract is 9% of the total value of the contract.

The DBT shall exercise all necessary and reasonable steps to ensure that DBEs participate in at least the percent of the contract as set forth about as goals for this contract.



General Scope

7. GENERAL PROVISIONS FOR THE SCOPE OF THE WORK

The DBT shall provide for the engineering services, design, and preparation of detailed construction plans for the construction of the proposed project. The DBT shall also provide services as described in Section 10 for the acquisition of right-of-way necessary to construct the proposed project and shall provide for the relocation of utilities impacted by the proposed project as described in Section 11. Further, the DBT shall provide for the furnishing of materials, construction and completion in every detail of all the work described in this RFP in order to fulfill the intent of the contract.

7.1 GOVERNING REGULATIONS

All services, including but not limited to survey, design and construction work, performed by the DBT and all subcontractors, shall be in compliance with all applicable AASHTO Design Standards, KYTC Department of Highway's Standard Specifications for Road and Bridge Construction, Standard Drawings, Manuals and Guidelines.

It shall be the responsibility of the DBT to acquire and utilize the necessary KYTC manuals that apply to the design, right-of-way, utility, and construction work required to complete this project.



Environmental

9. ENVIRONMENTAL

9.1 ENVIRONMENTAL DOCUMENT

The project received National Environmental Policy Act (NEPA) clearance via a Categorical Exclusion 3 with an approval date of late February 2019, that is provided in Appendix G. The project approval was based on the impacts identified in the plans as presented in this proposal. Any impacts outside of the identified disturbance areas have not been cleared under the NEPA process. If the Design Build Team chooses to pursue impacts outside of the identified area, it is their sole responsibility to conduct the necessary field work and complete any necessary coordination to obtain environmental clearances, including updates to the environmental document. Additionally, anyone conducting work or fieldwork for any of the clearances will need to be on KYTC's list of approved consultants for the appropriate areas. As part of the environmental clearance for the project, several commitments were made for the project, as outlined below.



Right of Way

10.4 PROCUREMENT OF RIGHT-OF-WAY

The DBT shall be responsible for all services and costs necessary to properly obtain the Right-of-Way and/or easements needed to complete the roadway project and utility relocations except for the purchase price of the property, which KYTC shall retain responsibility for. The services for right of way acquisition described herein Section 10 are to be included in the lump sum bid as part of the price proposal. In addition, the DBT shall provide a separate estimate for the right of way acquisition and relocation costs that KYTC will pay to the property owners disturbed by the project.



Utilities

11. UTILITIES

11.1 GENERAL REQUIREMENTS

A number of existing utilities are located within or in the vicinity of the Project Right-of-Way, some pursuant to statutory rights and some pursuant to property rights. DBTs are advised it is their responsibility to locate all utilities and take into account impacts their design creates.

This Section establishes procedures and requirements for adjusting utilities, if deemed necessary, including such processes as coordination with utility owners, administration of the engineering, construction, and other activities necessary for utility adjustments, and required documentation.

The DBT shall cause all utility adjustments necessary to accommodate construction, operation, maintenance and/or use of the project, in both its initial configuration and in its ultimate configuration.



12.1.2 MOT RESTRICTIONS

No lane closures shall be allowed on I-275, KY-237 and Worldwide Drive during observance of any National Holidays identified in Section 101 of the Standard Specifications and between the dates of November 1st and January 15th. Under special circumstances, KYTC reserves the right to restrict the use of lane closures due to unforeseen special events. In principle, the DBT shall maintain the current lane configuration (or better), for the life of the project (except for the closure of Graves Road over I-275 and a one week closure of Worldwide Drive at the intersection with Graves Road) including access to all adjoining properties. Williams road shall remain open and connected to either existing or proposed Graves Road at all times. Suggestions for additional working hours may be proposed by the DBT to KYTC as a part of the DBT project proposal.

12.2.2 FUNCTIONAL CLASSIFICATION OF ROADWAY

Urban Interstate (I-275)

Urban Collector (Graves Road & KY 237)

Interstate Ramp design shall be performed according to the standards established by the KYTC Design Manual.



12.2.4 GEOMETRIC CITERIA

Geometric Criteria for the preliminary design information completed by KYTC is included in Appendix R. The DBT's final designs shall be equivalent to these criteria or should offer an improvement to these criteria. The entrance grades provided in Appendix R are for information only. Further design may require the grades to be adjusted, however, the grades proposed should be utilized as the maximum grade for that particular entrance. If DBT proposes to utilize a greater grade, then it must be approved by the Engineer.

12.2.6 TYPICAL SECTION

See Appendix E (No variations of typical section dimensions permitted).

12.2.11 ADDITIONAL DESCRIPTION OF REQUIRED WORK AND SPECIAL PROVISIONS

All areas disturbed along residential properties shall be restored using sod as the seeding and protection. Vertical concrete surfaces in excess of 30 inches in height and 48 inches in width shall receive an architectural treatment. The architectural treatment shall approved by the engineer, but generally be of the "stacked stone" variety with at least ¾ inch reveal. The architectural treatment shall be surrounded by a 4 inch chamfered smooth border. Approach roads and commercial entrances may require reconstruction, as a part of this reconstruction, existing widths and profile grades shall be maintained or improved upon. This may require work off the existing Right of Way and in accordance with Section 10 of this document. Intelligent compaction of soils, aggregates and asphalt mixtures shall be used in along with paver mounted temperature profiles and E-ticketing as described in Appendix S.

12.3 STRUCTURES

12.3.1 STRUCTURE DESIGN/ADVANCE SITUATION FOLDER

The DBT shall have a consultant DBT member pre-qualified in Structure Design, Bridges under 500 feet. The DBT shall be responsible for preparing any structure plans required. The structure plans shall be developed in accordance with Division of Structure Design Guidance Manual (http://transportation.ky.gov/bridges/GuidanceManual.htm).

12.3.3 DESIGN AND CONSTRUCTION REQUIREMENTS OF STRUCTURE

All design and structure construction shall be in compliance with all applicable AASHTO design criteria as well as current KYTC standards.

All Shop Drawings shall be approved by DBT. PDF copies shall be provided to the Division of Structural Design.

12.3.4 FOUNDATION INVESTIGATION AND GEOTECHNICAL INVESTIGATIONS

All geotechnical information needed by the DBT for foundation investigation and all geotechnical investigations necessary to prepare the DBT's technical and price proposals shall be the responsibility of the DBT. The subsequent reports shall be submitted for review and approval by KYTC Geotechnical Branch. Please allow 14 calendar days for this review. Existing Geotechnical Information is for information purposes only.

H. The DBT shall be responsible for analysis and design of soil slopes. Slopes steeper than three to one (3H:1V) shall be reinforced. Slopes three to one (3H:1V) or flatter may require reinforcement or other remediation measures depending on soil conditions.



12.4.2 SIGNING SPECIAL PROVISIONS

All temporary signing shall be provided by the DBT for this project. Detour signage shall be submitted, approved and erected for the Graves Road Closure and any other closure deemed necessary by the Engineer. The DBT shall expect that up to 6 variable message boards may be required at a single time.

The DBT shall provide permanent sign plans as early as possible for KYTC approval. Review of the permanent signing plans may take up to 21 days. The IJS provided in Appendix D provides permanent signing details. The DBT shall design, fabricate and install all permanent signage for the project.

Other special provisions in addition to the Governing Regulations are listed in Section 7.1 of this document.

12.4.3 TRAFFIC SIGNALS SPECIAL PROVISIONS

Design, Construction and implementation of new traffic signals for the project shall be addressed as part of the DBT bid proposal. Traffic signals shall be completed at the Graves Road intersections with KY 20, both exit ramp termini and Worldwide Boulevard. Traffic data to for use in the design of the signalized interstections has been provided in Appendix N. The DBT shall provide plans for review and approval of the new traffic signals. Review of the traffic signal plans may take up to 21 days.

Other special provisions in addition to the Governing Regulations are listed in Section 7.1 of this document

12.4.4 ROADWAY LIGHTING SPECIAL PROVISIONS

Design, Construction and implementation of new lighting for the project shall be addressed as part of the DBT bid proposal. Roadway Lighting shall be completed at the Graves Road interchange and the KY 237 roundabout at Graves Road. The DBT shall provide plans for review and approval of the new lighting. Review of the lighting plans may take up to 21 days.



15. BUILDABLE UNITS

Definition: Buildable Units are portions of the projects which may be designed, reviewed and built with only limited controls and assumptions coming from the design of other portions of the project. Often a Buildable Unit will be defined by a geographic area within the plan, but it may also be defined by types of work or construction stages which may require or permit similar, nearby work to be divided into separate Buildable Units. All Buildable Units shall summarize the materials required to construct that portion of the project. The summary shall include the Construction and Material Specifications Item Number, and a description of the materials to be used.

General: The DBT may break the project work into two or more separate BU which may be progressed through design and construction with minimal or known effect on each other and/or which may be dealt with sequentially such that sufficient data is available for design and review of each BU.



ATC

6.1 ALTERNATE TECHNICAL CONCEPT (ATC)

6.1.1 DEFINITION

An Alternative Technical Concept (ATC) is a change to the Project Scope that provides a solution that is equal to or better than the required scope as determined by KYTC. The ATC process allows for innovation, increased flexibility, time reductions, and cost savings to deliver the best value for the public.

6.1.3 EVALUATION OF ATCs

ATCs are approved by the KYTC at its discretion and the KYTC reserves the right to reject any ATC submitted.

6.1.5 ONE-ON-ONE MEETINGS

Each short-listed DBT shall be permitted to request one-on-one pre-ATC meetings with KYTC to discuss potential ATCs. Meetings will last no more than two hours. The location of the meetings will be determined by the nature of the ATC. The meetings will be held once every two weeks on Wednesdays beginning April 17, 2019 through June 12, 2019. Short-listed DBTs shall submit a request for a meeting by the Friday in advance of the proposed meeting date.



Completion Date

Section 6 In addition to the mandatory requirements identified above, KYTC has determined the last acceptable completion date for the project shall be August 1, 2022. There will be a lump sum \$1,000,000.00 incentive to the DBT if the new interchange with a connection to Worldwide Blvd. and the relocated Williams Road are completely finished, with the exception of final surfacing, before October 31, 2020. Under no circumstances will an extension to the October 31, 2020, milestone incentive date be given; except that, if KYTC issues an extension to contract time according to section 10.4.18 of the ITP, then KYTC will also consider if an extension should be applied to the milestone incentive date. Early substantial completion date of the project is preferred. If the project is not completed by the completion date identified in the DBT's proposal, per Section 108.09 of the Standard Specifications, liquidated damages shall be applied for each calendar day including weekends and holidays. Contrary to current specifications, the liquidated damage rate shall be \$5,000.00 per day, and will be assessed through the winter months and during any times when a work item cannot be pursued due to seasonal limitations.

Section 13.1.2.1 The Proposed Completion Date of the successful Proposer shall become the Fixed Completion Date for the contract. The latest acceptable Completion Date shall be August 1, 2022.



Schedule

Date	Submittal
Early March, 2019	Advertisement
March 14, 2019	Pre-Proposal Meeting (Mandatory)
March 29, 2019	Statements of Qualifications Due
April 12, 2019	Short-list
April 15, 2019 thru June 14, 2019	Alternate Technical Concept Process
June 28, 2019	Alternate Technical Concept Approvals
July 26, 2019	Last Day for Questions
August 2, 2019	Technical Proposals Due
August 16, 2019	Price Proposals Due
September 2019	Project Award
August 1, 2022	Project Completion Date



Overview of Data Provided

The following information is available for review and use by the Design-Build Team (DBT) at the Pre-Proposal Meeting:

- Preliminary design files including the currently proposed alignment for the project
- B. Additional preliminary survey and utility location information, gathered in 2019.
- C. Mapping and Ortho-photography for the project

None of the information provided herewith or at the Pre-Proposal meeting should be considered complete or as-built information. The Design-Build Teams (DBT(s)) are advised to verify the preceding information to determine if it accurately depicts existing field conditions.



Questions

The presentation and Pre-Proposal Meeting is not intended to cover every facet of the Instructions To Proposers for the project. Rather the presentation is intended to highlight some key points within the instructions. All Design Build Teams shall be aware that it is their responsibility to review the Instructions To Proposers, and any related or relevant information, in great detail for specific requirements.

Be Sure to SIGN IN







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Design Build Team Lead Contractor / Lead Consultant	Phone	Email Address	Company	Signature	Name (Printed)





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Stew Mary	She Mills	Thuron	Stree Mayo Jemon		
RAB HANS	Kartala-	4sm	ROBERT. HANS @ CUSP, COM 639-2127	513 639-2127	•
Daniel Menetray	Sony Mentin	Boone County	dmenetrey@boorecountrkyou 859-334-3586	org 858-34-	08.5%
RONNIE CENTRONO	MINIM	CONKALD	gine@lowkaeoconstenction, com	\$51 384 -7 5 IS	#
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