

**BOARD OF PUBLIC WORKS AND SAFETY  
CITY OF NOBLESVILLE**

**DATE:** AUGUST 29, 2017

**PREVIOUSLY DISCUSSED ITEMS**   

**NEW ITEMS FOR DISCUSSION** XXX

**MISCELLANEOUS**                   

**ITEM#**       #8      

**SOURCE:**

**DOCUMENTS PREPARED BY:** JOHN BEERY

**VERBAL:**

**INFORMATION ATTACHED:** XXX

**NO PAPERWORK AT TIME OF PACKETS:**   

**BRING PAPERWORK FROM PREVIOUS COUNCIL MEETING:**

## **MEMORANDUM**

**TO: THE BOARD OF PUBLIC WORKS AND SAFETY**

**FROM: JOHN BEERY, CITY ENGINEER**

**DATE: AUGUST 24, 2017**

**RE: CONTRACT WITH CHA CONSULTANT  
NATIONAL ENVIRONMENT PROTECTION ACT (NEPA) DESIGN SERVICES  
PLEASANT STREET FROM 8<sup>TH</sup> STREET TO SR 32**

Attached is supporting documentation for consulting services for NEPA services by CHA consulting for the design of Pleasant Street from 8<sup>th</sup> Street to S.R. 32. This contract will investigate and propose mitigation for impacts of the project as part of the requirements for the Nation Environmental Protection Act. Environmental impacts are considered over a broad spectrum.

Executed agreements will be forthcoming at the meeting. The scope and fee justification paperwork is attached. The contract will be a standard LPA contract in INDOT format.

**I recommend that the Board of Public Works execute the agreement with CHA Consultants for amount not to exceed \$484,296.**



July 14, 2017

Mr. John Beery, PE  
City of Noblesville, Department of Engineering  
16 S. 10<sup>th</sup> Street, Suite 155  
Noblesville, Indiana 46060

**RE: Proposal for Professional Services to Develop Environmental Documentation for the Pleasant Street Corridor between 8<sup>th</sup> Street and SR 32 in the City of Noblesville, Hamilton County, Indiana. CHA Proposal: X50582**

Dear Mr. Beery,

Thank you for this opportunity to provide professional engineering services to the City of Noblesville. The attached proposal provides for the development of a NEPA compliant Environmental Assessment (EA) to address the proposed Pleasant Street Corridor project between 8<sup>th</sup> Street and SR 32 in the City of Noblesville.

The breadth of this scope of services and fee estimate is expressly limited to the development and definition of a Preferred Alternative and the preparation and processing of an approved NEPA compliant EA for the Preferred Alternative. This scope of services does not include detailed design development, permitting, bid package development, letting or construction engineering of the Preferred Alternative. The detailed design development, permitting, bid package development, letting and construction engineering services required to advance the Preferred Alternative may be added as extra work at a later date through supplemental agreement based upon the status of the Preferred Alternative at the time of NEPA approval.

Should you have any questions relating to this proposal, please contact us at your earliest convenience. We look forward to beginning this project as soon as we are notified.

Thank you for the opportunity to develop and deliver this project with the highest level of professional service and quality.

Sincerely,

**CHA Consulting, Inc.**

A handwritten signature in dark ink, appearing to read 'Trevor Wieseke', written over a horizontal line.

Trevor Wieseke  
Environmental Section Manager

## Appendix "A-1"

### Pleasant Street Corridor – Environmental Assessment 8<sup>th</sup> Street to SR 32 Noblesville, Hamilton County, Indiana

**Scope of Services  
July 14, 2017**

#### **Project Description**

The CHA Consulting, Inc. team (Consultant) will provide professional engineering and environmental specialty services to the City of Noblesville (the Owner) for the environmental analyses and documentation associated with the Pleasant Street Corridor Project. The purpose of the proposed NEPA action (the project) is to provide a viable east-west corridor, paralleling SR 32/SR 38 to the south to relieve traffic congestion in downtown Noblesville. For the purposes of this scope of services the Pleasant Street corridor will extend from 8<sup>th</sup> Street to SR 32 in the City of Noblesville, Hamilton County, Indiana. A total of four alternatives will be evaluated as part of the NEPA analysis and documentation development process. The four alternatives will be developed by others (Designer) and provided to the Consultant for use in the NEPA analysis and documentation. From the four provided alternatives, the culmination of the NEPA process performed under this scope of services will be the identification of a Preferred Alternative for advancement to detailed design development.

The breadth of this scope of services is expressly limited to the development and definition of a Preferred Alternative and the preparation, documentation, coordination/collaboration and agency processing of an approved NEPA compliant Environmental Assessment (EA) for the Preferred Alternative. This scope of services does not include detailed design development, permitting, bid package development, letting or construction engineering of the Preferred Alternative.

Detailed design development, permitting, bid package development, letting and construction engineering services required to advance the Preferred Alternative to implementation may be added to this scope of services as extra work at a later date through supplemental agreement based upon the status of the Preferred Alternative at the time of NEPA approval.

The Consultant will be responsible for the management, coordination, and development of an environmental document that shall comply with the requirements of the appropriate regulations and requirements of the Indiana Department of Transportation (INDOT), the Federal Highway Administration and other applicable local, state and federal agencies. A detailed discussion of the Consultant's services is described in the following section:

Section 1	Environmental Documentation

#### **Section 1: Environmental Documentation**

##### **Objective**

The objective of this section is to develop environmental documentation for the proposed action (project) in conformance with the INDOT LPA Guidance Document Chapter 6 (Environmental Processing/Permitting) of the "INDOT LPA Guidance Document for Local Federal-Aid Projects"

(latest revision). The services described herein involve the performance of the necessary steps to prepare and deliver a NEPA compliant Environmental Assessment (EA) for the proposed project. All services will be developed in accordance with the INDOT Procedural Manual for Preparing Environmental Studies (2008 Edition), the Indiana Categorical Exclusion Manual (Revised June 2013) and all other appropriate Federal, State, and local laws relating to the environment. The Consultant's work will involve close coordination with the City of Noblesville, INDOT and the Federal Highway Administration. It is anticipated that the NEPA EA will culminate in a Finding of No Significant Effect.

### **Deliverables**

- NEPA- compliant Environmental Assessment (EA)

### **Coordination**

- The Consultant's work efforts will be coordinated through Owner's representative, INDOT, FHWA, and other interested and/or involved agencies as deemed appropriate by Consultant.

### **Activity**

- **Project Administration:** The Consultant will prepare monthly status reports (assume 30 month project duration) for the Owner's Project Manager through the completion of the services described herein. The Consultant will also attend meetings with the City of Noblesville and the Indianapolis Metropolitan Planning Organization as required. No more than six (6) meetings are anticipated.
- **Project Management Team:** The Consultant will assist in the assembly of the Project Management Team (PMT) consisting of representatives from INDOT, the FHWA, the project sponsor/Owner, and the Indianapolis Metropolitan Planning Organization (IMPO) to provide guidance during project development. Two (2) meetings of the PMT are anticipated with the first occurring at the onset of the project to discuss the scope, purpose and need, and schedule. The second meeting of the PMT will be held prior to the second public information meeting to discuss the conceptual alternatives and preliminary results of the impact analysis.
- **Purpose and Need:** The Consultant will review available reports, studies and applicable information and clearly define the transportation purpose and need of the project.
- **Data Collection and Assimilation:**
  - **Data Review:** The Consultant will collect, assemble and review previous studies prepared for the project, and readily available secondary source information including, but not limited to, the National Wetland Inventory (NWI) Map, USGS Quadrangle Map, NRCS Soil Survey and the FEMA Flood Insurance Rate Map.
  - **Notify Property Owners:** Prior to the commencement of any field work or surveys, all property owners within the general project area will be identified by the Consultant. Notice of Entry for Survey or Investigation letters will be mailed by the Consultant to all of the property owners advising them of the Consultant's intent to enter onto their property to conduct the required field investigations.
  - **Field Investigation:** A field inspection of the project site will be conducted by the Consultant to identify and assess the locations of environmental, social and economic resources, both physical and natural. Special investigations resulting from the field investigation will be undertaken as appropriate.

- Red Flag Survey: A Red Flag Survey will be conducted by the Consultant and will include a review of the Indiana GIS Atlas developed by the Indiana Geological Survey in conjunction with INDOT. The investigation will be utilized to identify areas of concern (Red Flags) within the project area. This investigation will also include a review by the Consultant of files contained in IDEM's Virtual File Cabinet to determine if any further investigations are required. Once completed, the survey will be provided to the Designers and utilized to develop alternatives. The survey will also be included in the EA.
- Alternatives Development and Validation: The Consultant will work cooperatively and collaboratively with the Designer, providing input about the affected project area for the purposes of assisting the Designer to develop feasible alternatives that satisfy the purpose and need for the project and which minimize impacts to the natural and physical environment. Prior to the start of Alternatives Development by the Designer, the Consultant will establish screening criteria in consultation with the Designer and the PMT to determine the viability of alternatives. As part of the Alternative Validation, included in this task will be a cursory review by the Consultant of all relevant drawings developed by the Designer. The intent of the Consultant's review is to provide input, comment or confirmation that the design meets appropriate industry accepted standards and design policy and procedures including, but not solely limited to:
  - Horizontal and vertical geometrics
  - Cross sectional elements
  - Operational and public safety considerations

The primary purpose of the review will be to confirm that the impacted or disturbed project area (project footprint) is reasonably and accurately identified and represented.

- Early Coordination: The Consultant will prepare and distribute early coordination information packages to the appropriate local, state and federal resource agencies requesting comments on the proposed project. The package will include a description of the proposed project, project location, purpose and need for the project, and preliminary alternatives under consideration. An appropriate graphic of the project area and any known potential environmental issues will be prepared by the Consultant and included in the package.
- Assessment of Environmental Impacts: The Consultant will identify and analyze the potential impacts and/or consequences resulting from the project alternatives on social, economic, and environmental resources. These studies will be conducted in sufficient detail to allow for, or be in support of, compilation and development of the necessary information for preparation of an Environmental Assessment that will include the following:
  - Impacts to Ecosystems (Aquatic and Terrestrial): The Consultant will analyze project impacts upon water quality, flood plains and aquatic and terrestrial habitats. Based upon the Consultant's familiarity with the project area, this scope of services assumes that no threatened or endangered species are present in the project area. If threatened or endangered species are discovered to occur, or to be present within the project impact area, then additional studies may be required to minimize and offset any adverse impacts. *The performance of additional studies related to threatened and endangered species is not included as part of this scope, and would be considered as additional work and a change in scope would be required. This scope of services also does not include formal consultation with the U.S. Fish and Wildlife Service. Should formal consultation with the U.S. Fish*

*and Wildlife Service be required, that work would be considered as additional work and a change in scope would be required.*

- Wetland and Waterways Identification: The Consultant will conduct investigations of the project area to determine the presence of isolated wetlands or jurisdictional "Waters of the U.S." The investigation will include the preparation of an exhibit to illustrate existing wetlands and "Waters of the U.S." within the project area.
  - Conduct a wetland determination at the project site.
  - Examination of the existing conditions, including soil characteristics, drainage ditches, hydrology, vegetation, and general topography.
  - Natural features to be investigated and evaluated will include blue-line waterways as noted on the USGS topographic mapping of the corridor and other drainageways depicted on the Natural Resources Conservation Service Soil Survey of the project area which cross or flow immediately adjacent to the project; National Wetland Inventory mapped wetlands; other potential wetlands; and roadside drainage ditches. Documentation of site hydrology, vegetation, and soils will be collected and documented on the basis of observed field conditions.
  - The observed conditions will be compared to the standard criteria established by the U.S. Army Corps of Engineers to determine the existence of regulated resources. An assessment will be prepared which evaluates the potential regulatory status of those resources.
- Wetland Delineation: The Consultant will complete a wetland delineation of the wetlands identified within, or adjacent to, the boundaries of the Preferred Alternative. The wetland boundaries will be located using GPS technology to establish the upland boundary. The wetland delineation will be completed in accordance with the *1987 Corps of Engineers Wetland Delineation Manual (Y-87-1)* and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)*. A Routine Wetland Delineation Report including all mapping, photographs and description of existing conditions on site will be prepared by the Consultant.
- Air Quality Impacts: Hamilton County is in conformity for all air pollutant criteria. Therefore, a hot zone analysis for carbon monoxide and particulate matter will not be required. The Consultant will undertake coordination with IMPO to ensure that the project is appropriately programmed in the Long Range Transportation Plan. The level of mobile air source toxics (MSAT) analysis is unable to be determined at this time for the purposes of this scope of services. MSAT analysis determination cannot be concluded until such time that traffic projections and operational analyses are provided to the Consultant by the Designer, or if a concern for MSAT exposure is identified by the Consultant in the course of field investigations. The Consultant will coordinate with INDOT to determine the appropriate level of MSAT analysis. *Should an MSAT analysis be required, that work would be considered as additional work and a change in scope would be required.*
- Relocation Impacts: If more than ten (10) relocations are determined necessary to complete the project, the Consultant will complete a Conceptual Stage Relocation Study (CSRS) to assess the likely effects on the relocated businesses and residents. The CSRS will inventory the characteristics and needs of residents, businesses, farms, non-profits, and institutions that may be relocated as a result of the project. The CSRS will also survey the real estate market to determine availability of

replacement property within the area. If more than ten (10) businesses require relocation, a business information survey will be prepared and provided to businesses likely impacted by a project.

- Prime or Unique Farmland: The Consultant will complete Form CPA-106 and coordinate with the Natural Resources Conservation Service (NRCS) for a determination of impacts to prime or unique farmland as a result of the proposed project.
- Cultural Resources: The objective of this task is for the Consultant to complete the Section 106 Documentation in accordance with Section 106, National Historic Preservation Act (NHPA) of 1966, as amended, and CFR Part 800 (Revised January 2001) and Final Rule on Revision of Current Regulations, dated December 12, 2000, and incorporating amendments effective August 5, 2004. Archaeological investigations will be conducted in accordance and compliance with the Secretary of the Interior's "Standards and Guidelines for Archaeology and Historic Preservation" (48 FR 44716), the current version of the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology's (IDNR, DHPA) "Guidebook: Indiana Historic Sites and Structures Inventory - Archaeological Sites", and recent amendments to the Indiana Historic Preservation Act (IC 14-21-1). The field work, laboratory analysis and preparation of the final report and recommendations will be accomplished or directly supervised by a qualified professional archaeologist meeting the standards set forth in 36 CFR 61 of the National Historic Preservation Act and 312-IAC-21 of the Indiana Administrative Code. All reports will be prepared in accordance with INDOT's *Cultural Resource Manual*.

- The following tasks associated with the Aboveground Study will be completed:
  - The Consultant will initiate consultation with consulting parties.
  - The Consultant will conduct background research on properties and the area to evaluate historic properties.
  - The Consultant will draw an Area of Potential Effects for aboveground resources and field verify.
  - The Consultant will conduct a field survey and geo-code properties greater than fifty years of age.
  - The Consultant will research and write Historic Property Report.
  - The Consultant will submit report to INDOT-CRO.
  - The Consultant will make CRO's requested revisions and submit the report to INSCOPE and transmit a paper copy to the State Historic Preservation Officer (SHPO).
- The following tasks associated with the Archaeology Study will be completed by the Consultant:
  - A records check in the State Historic Architectural and Architectural Database and research on prior reports at the Division of Historic Preservation and Archaeology.
  - Research on historic aerials, maps, and other primary source materials.
  - Archaeological field reconnaissance: transect of shovel test probes on each side of the railroad right-of-way; three transects in areas



of new right-of-way, per location provided in Pleasant Street Feasibility Study.

- The Consultant will perform laboratory analysis, re-enter SHAARD site form, curate, and notify landowner for site 12-HA-0037.
  - The Consultant will prepare Archaeology Report.
  - Report will be submitted to INDOT-CRO.
  - The Consultant will make CRO's requested revisions and submit the report to INSCOPE and transmit a paper copy to the State Historic Preservation Officer (SHPO).
- The following tasks associated with the Section 106 Documentation will be completed by the Consultant:
- Correspond with consulting parties.
  - Prepare 800.11(e) documentation.
  - Distribute the 800.11(e) (after approval by INDOT) to consulting parties.
  - Publish a public notice.
  - Coordinate, moderate, and prepare a meeting summary for two (2) site visits or consulting party meetings with consulting parties.
  - File the e-notification of Adverse Effect to the Advisory Council on Historic Preservation and request FHWA invite Council to join in consultation
  - Negotiate and prepare a Memorandum of Agreement.
  - Circulate the Memorandum of Agreement for signature.
  - Prepare for and attend one (1) agency meeting.
  - Prepare for and participate in three team meetings.
  - Prepare for and attend one (1) public information meeting.
- Section 4(f): Impacts to publically owned parks and recreational land, wildlife and waterfowl refuges or historic resources will require a Section 4(f) evaluation. As impacts are anticipated to a potential archaeological site, an individual Section 4 (f) evaluation will be required and will be prepared by the Consultant. The evaluation will include analysis of alternatives; a finding that the alternatives are not feasible and prudent; identification of mitigation measures; identification of measures to minimize harm; coordination with all associated interested and involved agencies; and public involvement. The public involvement will be limited to an advertisement placed in a local newspaper by the Consultant giving the public 30 days to review and comment on the Section 4(f) findings. Any additional impacts to publically owned parks and recreational land, wildlife and waterfowl refuges or historic resources within the affected project area will require a separate Section 4(f) analysis. Should impacts to a Section 4(f) property (exclusive of the one archaeological site that has been identified and accounted for in this scope of services) occur as a result of this project, the Consultant will prepare documentation to the level necessary to support a "de minimis" finding. This documentation will be incorporated into the EA. *This scope of services assumes that the project will not impact more than one resource, and the one impacted resource will be "de minimis", and as such the performance of additional studies related to the preparation of additional Section 4(f) evaluation is not included as part of this scope, and would be considered as additional work and a change in scope would be required.*

- Noise Impacts: A noise analysis will be completed in accordance with the INDOT Traffic Noise Policy (July 2017). Existing noise levels will be obtained from identified receivers using an integrated sound level meter. Future (i.e. design year) traffic noise levels will be predicted using the FHWA accepted noise prediction software, *Traffic Noise Model Version 2.5*. The Designer will be responsible for providing the Consultant with the existing and proposed elevations as well as traffic projections and operational analyses information. Noise impacts will be identified by the Consultant for the Preferred Alternative by comparing the predicted design year traffic noise levels with the existing noise levels in accordance with FHWA's Noise Abatement Criteria. Due to the urban nature of portions of the project corridor, there will exist locations where barriers are not deemed to be feasible. Impact analysis will be evaluated for the entire corridor; however, barrier analysis will be performed along the Preferred Alternative at a maximum of two (2) locations identified following the corridor analysis performed. *If more than two (2) locations are identified it would be considered as additional work and a change in scope would be required.*
- Socioeconomic Impacts: The Consultant will compile and review the latest state, regional and local land use plans and Transportation Plans, census data and other publically available information in determining land use impacts. Consideration will be given to current and future land use, business and commercial development, employment and economic opportunities, disruption to communities and residential neighborhoods, access to public and community facilities, community cohesion and safety issues including travel patterns and accessibility changes related to vehicular, commuter, bicycle, and pedestrian traffic. Identification of disproportionate impacts on Environmental Justice populations will be included in this analysis using data from the most recent decennial census completed by the US Census Bureau. Impacts are anticipated and additional coordination with INDOT and the community have been included in this scope.
- Indirect and Cumulative Impacts: The Consultant will contact local community officials and planning and zoning authorities to determine the existence of land-use plans, planning information, and permitting processes that will identify anticipated development in the project area. Where development has preceded the proposed project, an evaluation of whether the project will prompt further development will be completed by the Consultant. *A resource specific cumulative impact analysis is not included as part of this scope, and would be considered as additional work and a change in scope would be required.*
- Hazardous Materials:
  - Phase I Initial Site Assessment: A Phase I Initial Site Assessment (ISA) will be completed by the Consultant for the proposed project area to determine the potential for the presence of hazardous materials. The Phase I will include the performance of an on-site investigation to view present conditions for evidence of contaminated soils (chemical spill residue, die-back of vegetation, etc.), hazardous substances, or petroleum product usage (presence of above ground or underground storage tanks, storage of acids, etc.) and evaluate any likely environmentally hazardous site history. The neighboring properties will also be evaluated for risk on the proposed project area. Federal, state, local and tribal records out to the distances

specified by ASTM 1528 and AAI standards (ranging from 1/8 to 1 mile depending on the database) will be reviewed. Based upon data research or the presence of occupants associated with the properties, identified persons considered to be knowledgeable of the sites will be interviewed by the Consultant regarding the history of the project area. These persons may include past property owners, present property owners, site managers, tenants and neighbors. Municipal or County planning files will be examined for information regarding prior land usage and permits granted. A file search will be conducted with public agencies (State water board, fire department, County health department, etc.) having oversight relative to water quality and soil contamination issues. Historic aerial photography of the project area will be reviewed and the current USGS maps will be scrutinized for drainage patterns and topography. The chain of title for Environmental Liens and/or Activity and Land Use Limitations (AUL's) will also be examined. All information collected during the investigation and conclusions based on the investigation will be documented in a report for inclusion in, or referenced by the EA.

- Phase II Preliminary Site Investigation: *A Phase II Preliminary Site Investigation (PSI) is not included as part of this scope, and would be considered as additional work and a change in scope would be required.*
- Environmental Document: An Environmental Assessment/FONSI will be prepared in accordance with current FHWA regulations and the INDOT guidance documents. The draft document will be submitted by the Consultant to the INDOT and FHWA for review and comment. Comments received will be evaluated by the Consultant in consultation with the Owner and appropriate revisions and/or responses will be completed by the Consultant and incorporated into an updated EA. The revised EA will be resubmitted to INDOT and FHWA for document approval.
- Commitments Database: The Consultant will maintain a master list of commitments made during the project development. The most current list of project commitments will be provided to the INDOT Project Manager and uploaded into INDOT's Commitment Database. An All Commitments Report will be submitted along with all major submittals.
- Public Information Meetings: Two Public Information meetings are anticipated at the following milestones of the project, prior to the development of conceptual alternatives, and after the conceptual alternatives are developed and the impact analysis is completed. The Consultant will prepare for, attend and record input at each meeting, in addition to assisting the Owner with the scheduling and development of presentation materials.
- Public Hearing: A Public Hearing will be required for completion of this project. The Consultant will be responsible for the following:
  - Prepare, distribute, advertise, and conduct a Public Hearing in accordance with the "INDOT Public Involvement Procedures Manual" approved August 15, 2012.
  - Transcribe and respond to all public comments received through the Public Hearing Process.
  - Prepare the Public Hearing Transcript that will be used to attain Hearing Certification from INDOT.

### **Assumptions**

- All environmental services will be completed in accordance with the INDOT Procedural Manual for Preparing Environmental Studies (2008 Edition).
- The EA will be prepared in accordance with current National Environmental Policy Act (NEPA) requirements.
- No Carbon Monoxide/Particulate matter 2.5 hot spot analysis will be required.
- No MSAT Analysis (level 3, 4, or 5) will be required.
- The historic bridges will be re-used as pedestrian bridges so the finding will be No Adverse Effect on above ground resources.
- The new terrain roadway will be approximately 80 feet wide (no more than two transects of shovel test probes).
- No human burials or remains encountered.
- No archaeological sites (beyond those identified) will be encountered.
- No “sacred site” or Traditional Cultural Place.
- Any archaeology reconnaissance on parcels designated as relocations or acquisitions (beyond that within the project right-of-way) will be part of a separate task order.
- Previously-identified sites will be investigated within the project corridor only – not to exceed one acre of 5-meter testing.
- INDOT and/or FHWA will correspond with the Tribes.
- The overall project finding will be Adverse Effect since additional archaeological studies will be ongoing at the time that Section 106 is concluded.
- No more than one box of artifacts curated.
- Re-enter no more than 1 SHAARD site form for a previously-identified site (12-HA-0037).

### **Information Supplied by Owner**

- See Appendix “B”.

### **Items Specifically Not Included**

- Environmental Impact Statement (EIS)
- Formal Section 7 Coordination with the U.S. Fish and Wildlife Service
- Phase II Preliminary Site Investigation (PSI)
- Detailed Groundwater Assessment
- Resource Specific Cumulative Impact Analysis
- Carbon Monoxide/Particulate matter 2.5 hot spot analysis
- MSAT Analysis (level 3, 4, or 5)
- More than one Individual Section 4(f) analysis
- Section 6(f)
- Asbestos Inspections
- Section 401 Water Quality Certification
- Section 404 Permit
- Rule 5 Permit
- Construction in a Floodway Permit
- County Legal Drain Permit
- Stream and Wetland Mitigation Plan Development
- Archaeology study/reconnaissance on parcels designated as relocations or acquisitions (beyond right-of-way).

7/14/2017

- Any archeological studies beyond the Phase Ia (specifically Phase Ib, Phase Ic, Phase II and Phase III) are excluded.
- Mitigation activities that are stipulated in the Section 106 Memorandum of Agreement.
- Consultation with the Advisory Council on Historic Preservation.
- Consultation with Tribes

## **Appendix “A-2”**

### **Pleasant Street Corridor – Environmental Assessment 8<sup>th</sup> Street to SR 32 Noblesville, Hamilton County, Indiana**

#### **Owner Provided Information**

##### **INFORMATION AND SERVICES TO BE FURNISHED BY THE OWNER:**

The Owner shall furnish the Consultant with the following:

1. Assist the Consultant in obtaining property owner information, deeds, plans of adjacent developments, section corner information, and any other pertinent information necessary to perform work under this Agreement.
2. Plans of existing structures and roads within the project limits.
3. All written reviews relevant to the project that are received by, or in the possession of the Owner.
4. Data, information or correspondence from the transportation planning process.
5. Public and private utility plans or utility information, including but not necessarily limited to above ground and underground facilities and equipment, the location of signals and underground conduits, etc.
6. Free and clear access to enter upon public and private lands as requested for the Consultant to perform the services included within this Agreement.
7. All legal services as may be required for development of the project.

## **Appendix "A-3"**

### **Pleasant Street Corridor – Environmental Assessment 8<sup>th</sup> Street to SR 32 Noblesville, Hamilton County, Indiana**

#### **Schedule**

No work shall be performed by the Consultant until the Consultant receives a written Notice-to-Proceed from the Owner.

All work by the Consultant under this Agreement shall be completed and delivered to the Owner (or the Owner's designee) for review and approval, if required, within the following time periods; exclusive of the Owner's review time:

<b>Scope Section</b>	<b>Description</b>
Section 1	<ul style="list-style-type: none"><li>a. The Draft Environmental Document will be available for release to the public within 700 days after completion of the environmental investigation field survey.</li><li>b. The public hearing will be held within 90 calendar days after the environmental document is released for public involvement.</li><li>c. The environmental document will be approved within 90 days after completion of the public involvement requirements.</li></ul>

The basis of the fee schedule assumes a project duration of 30 months.

## **Appendix "A-4"**

### **Pleasant Street Corridor – Environmental Assessment 8<sup>th</sup> Street to SR 32 Noblesville, Hamilton County, Indiana**

#### **Compensation**

The Consultant shall receive as payment for the completion of work performed under this Agreement the Not to Exceed Amount of \$484,296, unless a modification of the Agreement is approved in writing by the Owner.

The Consultant will be paid for the work performed under this Agreement in accordance with the following schedules:

<b>Scope Section</b>	<b>Description</b>	<b>Fee Type and Amount</b>	
Section 1	a) Environmental Assessment – CHA Consulting (Prime)	NTE	\$311,000.00
	b) Environmental Assessment – American Structurepoint (Sub to CHA)	NTE	\$82,096.00
	c) Section 106 Documentation – Weintraut & Associates (Sub to CHA)	NTE	\$91,200.00





## FEE SUMMARY

PROJECT: Pleasant Street Corridor - EA  
CLIENT: City of Noblesville

INDOT DES. NO: TBD

TASK	DESCRIPTION	FEE
Section 1	Environmental Assessment - CHA	Hourly NTE \$ 311,000
Section 2	Environmental Assessment - ASI	Hourly NTE \$ 82,096
Section 3	Section 106 Documentation - W&A	Hourly NTE \$ 91,200
TOTAL NOT TO EXCEED FEE		\$ 484,296



**PROJECT:** Pleasant Street Corridor - EA  
**CLIENT:** City of Nashville

**PROJECT:** Pleasant Street Corridor - EA  
**CLIENT:** City of Nashville

**YMD**

2019 Rules Update for PA

**AMERICAN STRUCTUREPOINT, INC.****Fee Summary**

7/7/2017

**PROJECT:** Pleasant Street Improvements, Noblesville, Hamilton County, Indiana (2017.00697)**DESCRIPTION:** Environmental Documentation

Project Item	Hours	Fee
Red Flag	0	\$ -
Environmental Assessment	189	\$ 18,634.75
Wetlands/Waterways Delineation and Permitting	36	\$ 2,490.84
ISA	72	\$ 7,280.54
EJ/Community Impacts	260	\$ 23,994.73
Section 106	0	\$ -
Section 4(f)	0	\$ -
Section 7	0	\$ -
Noise Study	0	\$ -
Public Involvement	309	\$ 27,824.62
Subtotal (Direct Salary)	846	\$ 80,235.48
Direct Expenses		
Section 106 Services (Pre-qualified Professional)	\$ -	
Mileage	\$ 235.40	
Per Diem	\$ -	
HazMat Database Search	\$ -	
Stenographer	\$ -	
Graphics/Handouts	\$ 1,225.00	
Legal Notice	\$ 400.00	
Subtotal (Direct Expenses)	\$ 1,860.40	
Total Project Costs		\$ 82,095.88

# AMERICAN STRUCTUREPOINT, INC.

## MAN-HOUR JUSTIFICATION

7/7/2017

PROJECT: Pleasant Street Improvements, Noblesville, Hamilton County, Indiana (2017.00697)

DESCRIPTION: Prepare Environmental Assessment

WORK CLASSIFICATION	ESTIMATED TIME						TOTAL
	Project Manager	Project Engineer	Sr. Env. Specialist	Environmental Specialist	Staff Scientist	Senior Technician	
Step 1 -- Project Development							
Project Kick-off Meeting	0	0	4	0	4	0	8
Project Management Team Coordination							0
Organize PMT	1	0	4	0	4	0	9
PMT Meetings and Preparation (2 meetings)	2	0	12	0	12	0	26
Meeting Summaries/Minutes	1	0	2	0	4	0	7
Develop Public Involvement Plan	4	0	12	0	16	0	32
Assist with Purpose and Need Development	0	0	4	0	4	0	8
Obtain/Notify Project Area Property Owners	0	0	0	0	0	0	0
Step 2 -- Alternative Analysis							
Identify/Evaluate Conceptual Alternatives	0	0	2	0	4	0	6
Determine Environmental Document Requirements	0	0	0	0	0	0	0
Step 3 -- Environmental Analysis							
Early Coordination w/ resource Agencies	0	0	0	0	0	0	0
Environmental Studies and Analysis	0	0	0	0	0	0	0
Endangered Species							0
Karst Features							0
QA/QC Review	0						0
Step 4 -- Prepare Categorical Exclusion							
General Project Identification/Description/Design	0	0	0	0	0	0	0
Project Description/Preferred Alternative							0
Purpose and Need for Project							0
Other Alternatives Considered							0
Roadway Character							0
Design Criteria for Bridges							0
Maintenance of Traffic							0
Estimated Cost and Schedule							0
Right-of-Way							0
QA/QC Review							0
Identification/Evaluation of Impacts	4	0	0	9	10	0	30
Ecological Resources							0
Other Resources			1	1	2		4
Cultural Resources							0
Section 4(f)/Section 8(f) Resources							0
Air Quality Impacts							0
Noise Impacts							0
Community Impacts			2	4	4		10
Public Involvement			2	0	4		6
Hazardous Materials & Regulated Substances			2	4	0		6
Permits Required							0
Environmental Commitments							0
Early Coordination							0
QA/QC Review	4						4
Step 5 -- Assemble Categorical Exclusion							
Compile Draft Document Sections	0	0	2	0	8	0	10
Prepare Graphics	0	0	2	0	8	0	10
Compile Document Sections for INDOT/FHWA Review	0	0	2	0	4	0	6
Coordinate Final Approval after Public Involvement	0	0	0	0	0	0	0
Project Management/Client Coordination	24	0	0	0	0	0	24
Total Hours	36	0	46	9	78	0	169
Average Hourly Rate	\$ 183.11	\$ 116.82	\$ 146.38	\$ 82.49	\$ 58.55	\$ 118.07	
Direct Salary	\$ 6,591.96	\$ -	\$ 6,733.48	\$ 742.41	\$ 4,566.90	\$ -	\$ 18,634.75
Direct Expenses							\$ 64.20
Total Cost							\$ 18,698.95

Direct Expenses	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	120	\$ 64.20
				\$ -
				\$ -
				\$ -
HazMat Database Report	\$ 100.00	Lump Sum	0	\$ -
				\$ -
<b>Total</b>				<b>\$ 64.20</b>

# AMERICAN STRUCTUREPOINT, INC.

## MAN-HOUR JUSTIFICATION

7/7/2017

PROJECT: Pleasant Street Improvements, Noblesville, Hamilton County, Indiana (2017.00697)

DESCRIPTION: Environmental Justice/Community Impacts

WORK CLASSIFICATION	Project Manager	Project Engineer	Senior Env Specialist	Environmental Specialist	Staff Scientist	Senior Technician	TOTAL
<b>EJ Analysis</b>							
Conduct Project area Demographic analysis			2		6		8
INDOT Coordination on EJ			2		2		4
Determine Relocation and R/W Impacts			1		1		2
Prepare Draft Benefits and Burdens Analysis			4		8		12
<b>EJ Community Coordination</b>							
Identification of Meeting Location	0	0	1		2	0	3
Prepare Notification of Meeting	0	0	1		2	0	3
Coord. / Delivery of Notice to EJ Community	0	0	8	8	16	0	32
Meeting Preparation / Displays	0	0	8		12	0	20
Conduct Community Meeting	0	0	6		12	0	18
Meeting Summary / Minutes	0	0	2		4	0	6
<b>Community Impact Analysis</b>							
Develop Community Profile			4		16		20
Inventory Relocation Characteristics			8		24		32
Determine Comparable Housing/Costs			8		12		20
Evaluate Economic Impacts			4		12		16
INDOT/FHWA/Client Coordination	4		4		4		12
Prepare Graphics/tables			4		12		16
QA/QC	12						12
Final Benefits & Burdens Analysis	0	0	8		16	0	24
<b>Total Hours</b>	<b>16</b>	<b>0</b>	<b>75</b>	<b>8</b>	<b>161</b>	<b>0</b>	<b>260</b>
<b>Average Hourly Rate</b>	<b>\$ 183.11</b>	<b>\$ 116.82</b>	<b>\$ 146.38</b>	<b>\$ 82.49</b>	<b>\$ 58.55</b>	<b>\$ 118.07</b>	
<b>Direct Salary Cost</b>	<b>\$ 2,929.76</b>	<b>\$ -</b>	<b>\$ 10,978.50</b>	<b>\$ 659.92</b>	<b>\$ 9,426.55</b>	<b>\$ -</b>	<b>\$ 23,994.73</b>
<b>Direct Expenses</b>							<b>\$ 64.20</b>
<b>Total Cost</b>							<b>\$ 24,058.93</b>

Direct Expenses	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	120	\$ 64.20
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
<b>Total</b>				<b>\$ 64.20</b>

# AMERICAN STRUCTUREPOINT, INC.

## MAN-HOUR JUSTIFICATION

7/7/2017

PROJECT: Pleasant Street Improvements, Noblesville, Hamilton County, Indiana (2017.00697)

DESCRIPTION: Hazardous Material Initial Site Assessment

WORK CLASSIFICATION	Project Manager	Project Engineer	Sr. Env. Specialist	Environmental Specialist	Staff Scientist	Senior Technician	TOTAL
Initial Data Collection and Exhibit Preparation	0	0	2	6	0	0	8
Identification of Potential HazMat Sites	0	0	2	4	0	0	6
Detailed Site Review for Initial Site Assessments	0	0	4	8	0	0	12
Public Records and Database Reviews	0	0	2	8	0	0	10
Site Evaluation and Opinion of RECs	0	0	2	12	0	0	14
Client Coordination	0	0	2	2	0	0	4
Prepare Initial Site Assessment Report	2	0	4	12	0	0	18
Total Hours	2	0	18	52	0	0	72
Average Hourly Rate	\$ 183.11	\$ 116.82	\$ 146.38	\$ 82.49	\$ 76.37	\$ 118.07	
Direct Salary Cost	\$ 366.22	\$ -	\$ 2,634.84	\$ 4,289.48	\$ -	\$ -	\$ 7,290.54
Direct Expenses							\$ 21.40
Total Cost							\$ 7,311.94

Direct Expenses	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	40	\$ 21.40
				\$ -
				\$ -
				\$ -
				\$ -
Total				\$ 21.40

# AMERICAN STRUCTUREPOINT, INC.

## MAN-HOUR JUSTIFICATION

7/7/2017

PROJECT: Pleasant Street Improvements, Noblesville, Hamilton County, Indiana (2017.00697)

DESCRIPTION: Wetland Delineation and Permitting

WORK CLASSIFICATION	Project Manager	Project Engineer	Sr. Env. Specialist	Environmental Specialist	Staff Scientist	Senior Technician	TOTAL
Conduct Field Investigation	0	0	0	12	12	0	24
Prepare Wetland Boundary Mapping	0	0	0	0	0	0	0
Prepare Delineation Report/JD Forms	0	0	0	4	8	0	12
Coordinate Project with Regulatory Agencies	0	0	0	0	0	0	0
Prepare IDEM 401 (RGP)/404 (RGP) Applications	0	0	0	0	0	0	0
Total Hours	0	0	0	16	20	0	36
Average Hourly Rate	\$ 183.11	\$ 116.82	\$ 146.38	\$ 82.49	\$ 58.55	\$ 118.07	
Direct Salary Cost	\$ -	\$ -	\$ -	\$ 1,319.84	\$ 1,171.00	\$ -	\$ 2,490.84
Direct Expenses							\$ 21.40
Total Cost							\$ 2,512.24

Direct Expenses	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	40	\$ 21.40
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Total				\$ 21.40

# AMERICAN STRUCTUREPOINT, INC.

## MAN-HOUR JUSTIFICATION

7/11/2017

PROJECT: Pleasant Street Improvements, Noblesville, Hamilton County, Indiana (2017.00697)

Description: Public Involvement, Including Community Advisory Committee

WORK CLASSIFICATION	Project Manager	Project Engineer	Sr. Env. Specialist	Environmental Specialist	Staff Scientist	Senior Technician	TOTAL
<b>Public Information Meeting (PIM)</b>							
Coordinate Meeting Date and Location	0	0	2	0	2	0	4
Prepare Meeting Presentation/Handouts	0	0	2	0	12	0	14
Prepare Public Notice	0	0	1	0	2	0	3
Conduct Public Information Meeting	0	0	6	0	12	0	18
Total Hours (PIM)	0	0	11	0	28	0	39
Direct Salary Cost (PIM)	\$ -	\$ -	\$ 1,610.18	\$ -	\$ 1,639.40	\$ -	\$ 3,249.58
Direct Expenses (PIM)							\$ -
Total Cost (PIM)							\$ 3,249.58

Direct Expenses (PIM)	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	0	\$ -
				\$ -
Graphics	\$ 150.00	Sets	0	\$ -
Handouts	\$ 5.00	Packets	0	\$ -
Legal Notice	\$ 200.00	Lump Sum	0	\$ -
Total				\$ -

<b>Community Advisory Committee (CAC) Meetings (3)</b>							
Develop/Organize Committee			8		8		
Develop CAC Plan			4		4		
Coordinate Meeting Date and Location	0	0	2	0	2	0	4
Prepare Meeting Presentation/Handouts	0	0	2	4	8	0	14
Conduct CAC Meeting	0	0	6	6	6	0	18
Prepare Meeting Summary/Distribute	0	0	2	2	6	0	10
Total Hours (PIM)	0	0	24	12	34	0	48
Direct Salary Cost (PIM)	\$ -	\$ -	\$ 3,613.12	\$ 988.88	\$ 1,990.70	\$ -	\$ 6,493.70
Direct Expenses (PIM)							\$ 314.20
Total Cost (PIM)							\$ 6,807.90

Direct Expenses (PIM)	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	120	\$ 64.20
				\$ -
Graphics	\$ 150.00	Sets	1	\$ 150.00
Handouts	\$ 5.00	Packets	20	\$ 100.00
Legal Notice	\$ 200.00	Lump Sum	0	\$ -
Total				\$ 314.20

<b>Public Hearing (PH)</b>							
Identify Location and Prepare Notices	0	0	1	0	2	0	3
Prepare Hearing Presentation/Graphics	0	0	8	0	16	0	24
Attend Hearing	0	0	6	0	6	0	12
Prepare Hearing Transcript/Responses	0	0	2	0	16	0	18
Obtain Hearing Certification	0	0	1	0	2	0	3
Total Hours (PH)	0	0	18	0	42	0	60
Direct Salary Cost (PH)	\$ -	\$ -	\$ 2,634.84	\$ -	\$ 2,459.10	\$ -	\$ 5,093.94
Direct Expenses (PH)							\$ 1,439.20
Total Cost (PH)							\$ 6,533.14

Direct Expenses (PH)	Unit Cost	Unit	Quantity	Cost
Lodging				\$ -
Per Diem	\$ 25.00	person/day	0	\$ -
Mileage	\$ 0.54	Miles	120	\$ 64.20
				\$ -
Stenographer	\$ 400.00	Report	0	\$ -
Graphics	\$ 150.00	Sets	4	\$ 600.00
Handouts	\$ 5.00	Packets	75	\$ 375.00
Legal Notice	\$ 200.00	Lump Sum	2	\$ 400.00
Total				\$ 1,439.20

<b>Public Involvement Totals</b>							
Total Hours	0	0	101	36	172	0	309
Average Hourly Rate	\$ 183.11	\$ 116.82	\$ 146.38	\$ 82.49	\$ 58.55	\$ 118.07	
Direct Salary Cost (PI)	\$ -	\$ -	\$ 14,784.38	\$ 2,969.64	\$ 10,070.60	\$ -	\$ 27,824.62
Direct Expenses (PI)							\$ 1,439.20
Total Cost (PI)							\$ 29,263.82



# Section 106 Documentation - W&A: Phase 2

PROJECT: Pleasant Street: 8th Street to new road  
 CLIENT: City of Noblesville

DES. NO.:

DESCRIPTION	STAFF HOURS BY CLASSIFICATION							TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	No. of Sheets	Director / Principal	Historic Pl	Historian	GIS	Graphic Design	Archaeology Pl	Staff Archaeologist	
<b>Administration</b>									
* Schedule & oversight			32	8	0	0	0	32	\$7,529.88
* Team meetings (3)		12	15	0	0	0	0	0	\$2,872.84
* Consultation with team members		24	15	0	0	0	0	0	\$4,454.16
<b>SUBTOTAL:</b>								152	\$14,856.88
<b>Aboveground Study</b>									\$0.00
* Initiate consultation & coordination		4	4	0	0	0	0	0	\$853.32
* Field survey (including photo labeling & field notes)		2	8	10	5	0	0	0	\$1,824.30
* Research		6	0	8	0	0	0	0	\$1,274.82
* Prepare Historic Property Report, including QA/QC		4	24	24	0	0	0	0	\$4,274.36
* Distribute the Report		1	4	0	0	0	0	0	\$707.91
* Consulting party meeting or site visit (2)		8	23	0	0	0	0	0	\$3,174.60
<b>SUBTOTAL:</b>								157	\$12,049.51
<b>Archaeology Study*</b>									\$0.00
Records Check		0	0	0	0	2	0	4	\$802.96
Research		0	0	0	0	0	0	12	\$779.76
Reconnaissance -		4	0	0	0	0	0	0	\$20,497.80
Archaeology Report, including QA/QC		8	0	0	12	5	0	280	\$21,062.04
Laboratory		0	0	0	0	0	0	30	\$2,784.80
SHAARD site form (1 re-enter)		0	0	0	0	0	0	0	\$129.96
Landowner Notification & Curation		0	0	0	0	0	0	12	\$501.24
<b>SUBTOTAL:</b>								348	\$48,556.56
<b>Section 106 Documentation</b>									\$0.00
* 800.11 (e) Documentation, including QA/QC		8	40	0	0	0	0	0	\$2,948.56
* Public Notice		1	4	0	0	0	0	0	\$310.30
* Memorandum of Agreement		24	8	15	0	0	0	0	\$3,269.76
* Attend public meeting		4	0	0	0	0	0	0	\$312.88
* e-notification		2	5	0	0	0	0	0	\$504.56
* Correspond with SHPO & CP		8	24	0	0	0	0	0	\$2,185.32
* Agency meeting		4	0	0	0	0	0	4	\$479.96
<b>SUBTOTAL:</b>								416	\$41,843.07
<b>TOTAL - HOURS:</b>	105	157	124	50	58.02	58.02	8	448	0
<b>HOURLY RATE</b>	\$143.51	\$78.22	\$69.02	\$58.02	\$58.02	\$58.02	\$58.02	\$417.77	\$0.00
<b>COSTS PER CLASSIFICATION</b>	\$14,186.55	\$12,260.54	\$7,194.48	\$2,901.00	\$464.16	\$29,411.04	\$17,376.32	\$0.00	\$83,514.09
<b>TOTAL HOURLY COSTS:</b>									\$83,514.09

<b>DIRECT EXPENSES</b>									
Mileage	Trips x	1,000	ML/Trip x	0.380					\$380.00
Meals	Persons x	4	Days x	\$28.00					\$728.00
Lodging	Nights x	35	/ Night						\$3,500.00
Miscellaneous including Public notice, reseeded			\$3,000.00						\$3,000.00
Prints	Sets x		Sheets	\$0.10					\$0.00
<b>DIRECT EXPENSE SUBTOTAL:</b>									\$7,608.00
<b>TOTAL NOT TO EXCEED FEE</b>									\$91,200.00

\*Scoped as no new sites & relocating one previously encountered site. If new sites are encountered, each small site will add about \$3,000 to project cost.