



U.S. Department  
of Transportation  
**Pipeline and Hazardous  
Materials Safety  
Administration**

1200 New Jersey Avenue SE  
Washington DC 20590

## PIPELINE SAFETY

### 2011 State Damage Prevention Grant

for

### INDIANA UTILITY REGULATORY COMMISSION

Please follow the directions listed below:

1. Review the entire document for completeness.
2. Review and have an authorized signatory sign page 2.
3. Fasten all pages with a paper or binder clip - no staples please as this package will be scanned upon it's arrival at PHMSA.
4. Mail the entire document, including this cover page to the following:

**ATTN: Maria Munoz  
U.S. Department of Transportation  
Pipeline & Hazardous Materials Safety Administration  
Office of Contracts and Procurement (PHA-30)  
1200 New Jersey Avenue, SE Second Floor E22-305  
Washington, D.C. 20590**

#### **FedSTAR Information**

Submission Date: 9/3/2010 2:51:11 PM



**Pipeline and Hazardous Materials Safety Administration**  
**1200 New Jersey Avenue, SE**  
**Washington DC 20590**

DEPARTMENT OF TRANSPORTATION

APPLICATION

2011 GRANT PROGRAM IN SUPPORT OF STATE DAMAGE PREVENTION

The INDIANA UTILITY REGULATORY COMMISSION hereby applies to the Department of Transportation for Federal funds appropriated for the support of State Damage Prevention Programs established under 49 U.S.C. Section 60134 et seq.

The State agency plans to carry out the State Damage Prevention Program, during calendar year 2011, as described in Attachment 1, "Project Abstract/Statement of Objectives". To accomplish the program, the state agency proposes to expend funds as set forth in Attachment 4, "State Damage Prevention Estimated Budget".

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Signature

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Title

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Date

**Project Abstract/Statement of Objectives**

**Please provide a clear and concise description of the work this grant will fund for calendar year 2011**

This funding would enable continuation of existing excavation quality control and outreach programs in Central Indiana, including auditing excavation sites and reporting the findings of those audits. Outreach activities will include the promotion of Regional Common Ground Alliance activities and events, and direct communication with excavators, all with the goal of educating excavators of the requirements of Indiana's Damage to Underground Facilities law and accepted best practices. Two other projects earmarked for available funds are the development of a database to track violations of the Indiana law, in an effort to meet enforcement requirements. Education programs are also to be developed in conjunction with the database as part of enforcement activities.

## State Damage Prevention Elements

### **ELEMENT 1 - EFFECTIVE COMMUNICATIONS**

"Participation by operators, excavators, and other stakeholders in the development and implementation of methods for establishing and maintaining effective communications between stakeholders from receipt of an excavation notification until successful completion of the excavation, as appropriate."

**Does the proposed project address this element? (Required) Yes**

**Describe any existing state initiatives that support this element: (Required)**

Through its Board of Directors, committees and staff, Indiana 811 (IN811), the state's one call association, provides the core activities associated with the call-before-you-dig process. The IN811 board is made up of representatives from underground facility owners. Non-voting members include representatives from utility contractors, utility locating companies and the Indiana Utility Regulatory Commission. The board meets every other month, and various committees that include board members meet regularly. In this way information is shared among all stakeholders.

IN811 is very active in public and stakeholder education, and has recently taken an active role in educating excavators as to their roles and responsibilities in the damage prevention process, driven in part by the signing into law in July, 2009, revisions to Indiana Code 8-1-26, Damage to Underground Facilities.

**Describe how the proposed project will enhance or continue implementation of this element: (Required only if proposal addresses this element)**

Previous State Damage Prevention Grant awards were used to develop a quality control process to determine the effectiveness of the entire one call process, from the receipt of a locate request to the completion of related excavation activities. An IN811 employee audits locate requests from start to finish and documents activities for review in order to determine the effectiveness of the process and identify areas of improvement. In addition, direct communication between this individual and stakeholders, including excavators, helps to support this element.

The Pipeline Safety Division of the Indiana Utility Regulatory Commission proposes to continue this project during 2011 with the aid of funding from this grant. Deliverables specific to damage prevention of pipelines, and to the enforcement of Indiana Code 8-1-26, Damage to Underground Facilities, will be established as expectations. During the year, an evaluation of activities under this project will be undertaken to determine future continuation with enhancements, provided that this grant will continue to be awarded in future years.

**Estimated budget for this element: (Required only if proposal addresses this element)**

a. Personnel:	\$26,500.00
b. Fringe Benefits:	\$4,900.00
c. Travel:	\$4,188.00
d. Equipment:	\$0.00
e. Supplies:	\$125.00
f. Contractual:	\$0.00
g. Construction:	\$0.00
h. Other:	\$2,900.00
<b>i. Total Direct Charges (sum of a through h):</b>	<b>\$38,613.00</b>
j. Indirect Charges:	\$0.00
<b>k. TOTAL (sum of i and j):</b>	<b>\$38,613.00</b>

**Budget Narrative for this element: (Required only if proposal addresses this element)**

The budget for this element is 50% of annual costs for existing auditor/inspector's salary, benefits, travel costs, and supplies. Other costs includes 50% telephone costs for Indiana 811 sponsorship and participation in damage prevention council meetings.

The balance of the budgeted costs for this particular project have been entered under Element 2.

**ELEMENT 2 - COMPREHENSIVE STAKEHOLDER SUPPORT**

"A process for fostering and ensuring the support and partnership of stakeholders, including excavators, operators, locators, designers, and local government in all phases of the program."

**Does the proposed project address this element? (Required) Yes**

**Describe any existing state initiatives that support this element: (Required)**

Various stakeholders are represented on IN811's Board of Directors and various committees. IN811's public education program includes a number of efforts to promote the "Call before you Dig" message at trade shows and in radio and print advertising. Excavator education is a priority of IN811's efforts. An Indiana Damage Prevention Council (DPC), in support of a Regional CGA committee, was recently formed to bring together stakeholders, specifically excavators, to "foster communication between stakeholders, to promote damage prevention to utility facilities and use of Indiana811". Further, discussions and resolutions will conform to CGA best practices to the extent of creating local best practices to meet the needs of stakeholders.

The individual currently performing quality control audits has also been charged with leading the effort to form Regional CGA committees through the DPC that was formed during 2009. As stated above, the DPC focuses on excavator activities and education, thereby supporting this element.

**Describe how the proposed project will enhance or continue implementation of this element: (Required only if proposal addresses this element)**

The Pipeline Safety Division of the Indiana Utility Regulatory Commission proposes to continue this activity during 2011 with the aid of funding from this grant. The individual currently working for IN811 in a quality control effort will also continue to work to improve and enhance Regional CGA committee activities, focusing on excavator education and support to damage prevention.

**Estimated budget for this element: (Required only if proposal addresses this element)**

a. Personnel:	\$26,500.00
b. Fringe Benefits:	\$4,900.00
c. Travel:	\$4,187.00
d. Equipment:	\$0.00
e. Supplies:	\$125.00
f. Contractual:	\$0.00
g. Construction:	\$0.00
h. Other:	\$2,900.00
<b>i. Total Direct Charges (sum of a through h):</b>	<b>\$38,612.00</b>
j. Indirect Charges:	\$0.00
<b>k. TOTAL (sum of i and j):</b>	<b>\$38,612.00</b>

**Budget Narrative for this element: (Required only if proposal addresses this element)**

The budget for this element is 50% of annual costs for existing auditor/inspector's salary, benefits, travel costs, and supplies. Other costs includes 50% telephone costs for Indiana 811 sponsorship and participation in damage prevention council meetings.

The balance of the budgeted costs for this project have been entered under Element 1.



**ELEMENT 3 - OPERATOR INTERNAL PERFORMANCE MEASUREMENT**

"A process for reviewing the adequacy of a pipeline operator's internal performance measures regarding persons performing locating services and quality assurance programs."

**Does the proposed project address this element? (Required) No**

**Describe any existing state initiatives that support this element: (Required)**

Indiana does not have a formal process as described in this element. Certain processes are followed, however. Operators keep records of locate requests, and some conduct internal auditing of the process. Pipeline Safety inspectors regularly verify locate ticket information during construction inspections. Further study toward developing the process described in this element is warranted. Additional changes to the state's pipeline safety rule may be required before full compliance with this element is achieved.

**ELEMENT 4 - EFFECTIVE EMPLOYEE TRAINING**

"Participation by operators, excavators, and other stakeholders in the development and implementation of effective employee training programs to ensure that operators, the one call center, the enforcing agency, and the excavators have partnered to design and implement training for the employees of operators, excavators, and locators."

**Does the proposed project address this element? (Required) Yes**

**Describe any existing state initiatives that support this element: (Required)**

There currently is no statewide program in place that requires stakeholders to jointly design and provide training for employees of operator, excavation and locate companies. Any necessary training is conducted by each company for their own employees, including locating contractors.

**Describe how the proposed project will enhance or continue implementation of this element: (Required only if proposal addresses this element)**

Revisions to IC 8-1-26, Damage to Underground Facilities, signed into law in July, 2009, now provides for civil penalties for violations of the law. Included among the penalties are education programs. The Pipeline Safety Division of the Indiana Utility Regulatory Commission proposes to use a portion of available funding from this grant to begin developing training programs to comply with the Indiana law. Input and support from all stakeholders will be solicited during this effort.

**Estimated budget for this element: (Required only if proposal addresses this element)**

a. Personnel:	\$0.00
b. Fringe Benefits:	\$0.00
c. Travel:	\$0.00
d. Equipment:	\$0.00
e. Supplies:	\$0.00
f. Contractual:	\$0.00
g. Construction:	\$0.00
h. Other:	\$500.00
<b>i. Total Direct Charges (sum of a through h):</b>	<b>\$500.00</b>
j. Indirect Charges:	\$0.00
<b>k. TOTAL (sum of i and j):</b>	<b>\$500.00</b>

**Budget Narrative for this element: (Required only if proposal addresses this element)**

This money will be used to help fund the development of programs to educate stakeholders, primarily excavators, and to assist in enforcement of the damage prevention program and Indiana Code 8-1-26, Damage to Underground Facilities.

**ELEMENT 5 - PUBLIC EDUCATION**

"A process for fostering and ensuring active participation by all stakeholders in public education for damage prevention activities."

**Does the proposed project address this element? (Required)** No

**Describe any existing state initiatives that support this element: (Required)**

IN811's Damage Prevention committee is responsible for providing education statewide. IN811's public education program includes a number of efforts to promote the "Call before you Dig" message at trade shows, fairs, schools, and in radio and print advertising. The committee meets regularly and continually reviews its efforts; a baseline survey was recently completed which will help to identify targeted messages through various mediums. The Indiana Pipeline Awareness Association (INPAA), formed through efforts of IN811, provides training on behalf of pipeline operators to emergency responders. Work in support of this element is ongoing and will continue throughout 2011.

**ELEMENT 6 - DISPUTE RESOLUTION**

"A process for resolving disputes that defines the State authority's role as a partner and facilitator to resolve issues."

**Does the proposed project address this element? (Required) Yes**

**Describe any existing state initiatives that support this element: (Required)**

Revisions to Indiana Code 8-1-26, "Damage to Underground Facilities", was signed into law July 1, 2009. The new law adds enforcement activity and civil penalties under the responsibility of the Indiana Utility Regulatory Commission (IURC). The IURC's Pipeline Safety Division is charged with investigating alleged violations of the law and submitting findings to an advisory committee, appointed by the governor and made up of stakeholder representatives. The commissioners ultimately decide to uphold or reject the advisory committee's recommendations. The law also provides the opportunity for appeals of the commission's rulings on judgements.

**Describe how the proposed project will enhance or continue implementation of this element: (Required only if proposal addresses this element)**

The Pipeline Safety Division of the Indiana Utility Regulatory Commission proposes to use a portion of funding available from this grant to develop a state database to record and track violations of Indiana Code 8-1-26, Damage to Underground Facilities.

**Estimated budget for this element: (Required only if proposal addresses this element)**

a. Personnel:	\$0.00
b. Fringe Benefits:	\$0.00
c. Travel:	\$0.00
d. Equipment:	\$0.00
e. Supplies:	\$0.00
f. Contractual:	\$0.00
g. Construction:	\$0.00
h. Other:	\$11,137.00
<b>i. Total Direct Charges (sum of a through h):</b>	<b>\$11,137.00</b>
j. Indirect Charges:	\$0.00
<b>k. TOTAL (sum of i and j):</b>	<b>\$11,137.00</b>

**Budget Narrative for this element: (Required only if proposal addresses this element)**

The budget for this element is 50% of the cost of the database proposal, with the balance entered under Element 7.

**ELEMENT 7 - ENFORCEMENT**

"Enforcement of State damage prevention laws and regulations for all aspects of the damage prevention process, including public education, and the use of civil penalties for violations assessable by the appropriate State authority."

**Does the proposed project address this element? (Required) Yes**

**Describe any existing state initiatives that support this element: (Required)**

IC 8-1-26, "Damage to Underground Facilities", was signed into law July 1, 2009. The new law adds enforcement activity and civil penalties under the responsibility of the Indiana Utility Regulatory Commission (IURC). The Pipeline Safety Division of the IURC is charged with investigating alleged violations, and the Commissioners are charged with levying penalties based on recommendations from an advisory committee that is established by the Governor and composed of representatives of all stakeholders from the damage prevention process. The advisory committee has been named and will soon begin to review damage reports of alleged violations.

**Describe how the proposed project will enhance or continue implementation of this element: (Required only if proposal addresses this element)**

The Pipeline Safety Division of the Indiana Utility Regulatory Commission proposes to use a portion of funding available from this grant to develop a state database to record and track violations of Indiana Code 8-1-26, Damage to Underground Facilities.

**Estimated budget for this element: (Required only if proposal addresses this element)**

a. Personnel:	\$0.00
b. Fringe Benefits:	\$0.00
c. Travel:	\$0.00
d. Equipment:	\$0.00
e. Supplies:	\$0.00
f. Contractual:	\$0.00
g. Construction:	\$0.00
h. Other:	\$11,138.00
<b>i. Total Direct Charges (sum of a through h):</b>	<b>\$11,138.00</b>
j. Indirect Charges:	\$0.00
<b>k. TOTAL (sum of i and j):</b>	<b>\$11,138.00</b>

**Budget Narrative for this element: (Required only if proposal addresses this element)**

The budget for this element is 50% of the cost of the database proposal, with the balance entered under Element 6.

**ELEMENT 8 - TECHNOLOGY**

"A process for fostering and promoting the use, by all appropriate stakeholders, of improving technologies that may enhance communications, underground pipeline locating capability, and gathering and analyzing information about the accuracy and effectiveness of locating programs."

**Does the proposed project address this element? (Required)** No

**Describe any existing state initiatives that support this element: (Required)**

Indiana does not currently have a program that will explore and implement possible technological improvements, as described in this element. IN811's Technology committee may be the correct vehicle to seek out and study options that will support this element.

**ELEMENT 9 - DAMAGE PREVENTION PROGRAM REVIEW**

"A process for review and analysis of the effectiveness of each program element, including a means for implementing improvements identified by such program reviews."

**Does the proposed project address this element? (Required) No**

**Describe any existing state initiatives that support this element: (Required)**

Indiana does not currently have a formalized process for review of each damage prevention program element, as not all elements have been implemented to date. IN811 regularly reviews such items as call center statistics, membership levels and has recently begun collecting damage information as it is reported to the Center. IN811 also measures its public education efforts, and overall improvement in the collection of data is considered part of Indiana's long term plan to establish an effective program. Work on the instructions in this element will continue through efforts of IN811 and the IURC.

## **Legislative/Regulatory Actions**

**Provide a description of any legislature or regulatory actions (including legislative/regulatory studies) taken by the State within the past five (5) years pertaining to damage prevention program improvement, even if those actions were not completely successful.**

Amendments to Indiana Code 8-1-26, "Damage to Underground Facilities", or the "One Call Law", became effective July 1, 2009, and include provisions for the Indiana Utility Regulatory Commission (IURC) to levy civil penalties in the event of violations that cause damage to underground natural gas and hazardous liquid pipelines. There are other violations also identified that, while they do not address damage, they do support safe operations and damage prevention best practices.

Penalties include:

- 1) \$100 per day, no maximum, in the event an owner of underground facilities of any nature fails to become a member, or maintains membership in Indiana811, the state's one call organization.
- 2) \$10,000 maximum, in the event of damage to an underground pipeline facility without a request to have the pipeline located and marked.
- 3) \$10,000 maximum, in the event of damage to an underground pipeline facility where white lining was required under the law but was not done prior to the pipeline operator having an opportunity to locate and mark their pipeline.
- 4) \$1,000 maximum, in the event a pipeline operator fails to locate and mark their facilities, or incorrectly locates their facilities upon a legal request for locates
- 5) \$10,000 maximum, in the event a person "knowingly moves, removes, damages or otherwise alters a facility locate marking".
- 6) \$1,000 maximum, in the event a person "knowingly provides false notice of an emergency excavation" to Indiana811.
- 7) \$10,000 maximum, in the event an excavator damages a pipeline with mechanized equipment after failing to maintain a minimum 2' clearance between the marking provided by the pipeline operator and the equipment. Only hand-digging, air cutting or vacuum excavation are allowed, by law, within 2' of an underground gas or hazardous liquid pipeline.

Ultimately, any damage to an underground pipeline by mechanized equipment is a violation of the law, whether the pipeline was located or not.

For the 2010 IURC Regulatory Flexibility Report a depth study was conducted and reported on. It was discovered during the course of the study that there is no current technology that will provide the depth of an underground facility with enough accuracy to safely utilize mechanical excavation. This supports our conviction that any excavation over an underground facility with mechanized equipment should not be tolerated.

The Pipeline Safety Division of the IURC will strive to comply with the state law given our current number of employees, and evaluate the program and process to identify areas of improvement, and likely justify adding people to offset the increased workload.

**State Damage Prevention Estimated Budget - Calendar Year 2011**

**DIRECT COSTS**

Personnel .....	\$53,000.00
Fringe Benefits .....	\$9,800.00
Travel .....	\$8,375.00
Equipment .....	
Supplies .....	\$250.00
Contractual .....	
Construction .....	
Other .....	\$28,575.00
<b>Total Direct .....</b>	<b>\$100,000.00</b>

**INDIRECT COSTS**

Indirect Charges .....

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**TOTAL ESTIMATED COSTS**

**\$100,000.00**

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**State Damage Prevention Application Attachments**

GovernorsSignatureLetter\_08312010.pdf  
IN811\_QCBudgetEst\_CGeiger\_08132010.pdf  
MIDProposal\_IC8-1-26Database\_08202010.pdf



## Boyd, William

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**From:** Connie Geiger [cgeiger@usa811.org]  
**Sent:** Friday, August 13, 2010 3:03 PM  
**To:** Boyd, William; Becerra, Mary; Orr, Michael  
**Cc:** Dan Meiners; Aaron Holeman  
**Subject:** SDPP 2011 Grant Application

**Importance:** High

Here is a description of the objectives that Aaron would continue to focus on should grant money be awarded. I've also included a breakdown of the anticipated costs to cover these objectives. I'll be on vacation next week, but you can send me an email or contact Aaron should you have questions. Also, you can refer to the grant application that we submitted for the 2009 grant period too. Let us know if we can help and thanks!

### Objective(s)

Indiana 811 would continue to utilize Aaron Holeman to:

1. Continue our current excavation quality control program and outreach program of conducting dig site audits in an 8 county area in Central Indiana. In addition to conducting dig site audits, the field agent will be visiting the member utilities in the program area to discuss the results of the audits specific to their organizations, as well as, determining how these utilities handle positive response.
2. Promote the Regional Common Ground Alliance by sponsoring damage prevention stakeholder events. Currently Indiana 811 sponsors the Central Indiana Regional Damage Prevention Council, and are partnering with Ohio and Kentucky to start the new OKI Regional Damage Prevention Council. The OKI Regional DPC will be holding quarterly stakeholder meetings, with the first kickoff meeting scheduled for October 5<sup>th</sup>, 2010. In addition, stakeholders in the northern portion of Indiana have expressed an interest in starting a new Northern Indiana Regional Damage Prevention Council.

### **Proposed Expenses for 2011 Grant Period**

<b>Indiana 811 SDPP Expenses</b>	<b>Cost</b>
Health Benefits	\$9,800.00
Gross Salary	\$53,000.00
Gasoline	\$6,000.00
Truck Plates	\$218.05
Truck Insurance	\$1,155.00
Truck Service and Maintenance	\$1,000.00
Supplies	\$250.00
Phone and Air card fees	\$1,800.00
Indiana 811 Sponsorship and Participation in Damage Prevention Council Meetings	\$5,000.00
<b>Total</b>	<b>\$77,223.05</b>

Connie Geiger, USA/Indiana 811/Kentucky 811  
Director of Operations

# Indiana Utility Regulatory Commission

PRODUCT DEFINITION AND NEW DEVELOPMENT



*Proposal for Services  
Prepared by Management Information Disciplines  
August 20, 2010*



### Contact Information

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### Revision History

Version	Date	Author	Description
Proposal v1	8/20/2010	Nathan Stephens	First version of Proposal



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## Background

Management Information Disciplines (MID) discussed with Mr. Wayne Remick and other members of the staff and management of the Indiana Utility Regulatory Commission (IURC) what would be involved in developing a Pipeline Damage Reporting System. Indiana Code 8-1-26 mandates the need for such a system and requires it to be assessable to public view. This document proposes a system that IURC would assume sole responsibility for maintaining and operating. The resulting system would allow IURC to integrate the maintenance of data base content and reporting into its current work load with as little impact as possible.

Several meetings have been conducted by staff members of both IURC and MID for the purpose of establishing the technical requirements including system functionality, architecture and operational profile. Numerous options have been reviewed with primary consideration focused on "cost to build" verses "cost to operate". The resulting proposed design is presented with two options that represent the consciences of both staffs as to the optimum design with consideration given exclusively to the build/operate tradeoff.

## Scope

MID will develop a SharePoint application and database in SharePoint that will allow authorized SharePoint users to create, update, and view the Pipeline Damage Information. The application will be accessed as a sub entry of one of the existing tabs in the IURC SharePoint system. SharePoint application will validate that IURC defined required attributes are populated before a data recorded is created or updated. Also, some input data will be picked from database lists as defined by IURC.

MID will develop a Web Reporting application on the web written in C# that will allow anyone to access the Pipeline Damage Information.

MID will provide a link between the SharePoint System and the Web Reporting application so that users who cannot view the information from SharePoint will be able to use the link to view the report from the web.

MID will create the ability to produce a comma delimited file (.CSV) that will allow IURC to produce .CSV files upon request.

IURC will:

- Provide the environment to test and run the applications
- Provide all the data for validation
- Populate and maintain all table lists
- Be responsible for all SharePoint Security (creating and maintaining contributors and consumption users)



## Assumptions/Still to be determined

MID has made some assumptions that have direct impact on tasks within this proposal.

### Assumptions:

- All the required fields populated on the new IURC Pipeline Form meet the minimum data required to complete the Federal form using the MID generated CSV file.
- In order to populate the Federal Pipeline report the IURC data administrator will maintain the list tables in sync with the values found in the Federal list tables.
- Not all of the federal form's fields will be on the state form.
- That IURC will validate from the federal system before importing into the SharePoint system.

### Still to be defined:

- IURC has not specified the mapping of the State fields to the Federal fields.
- IURC will need to specify the field types and additional attributes.
- Examples: The Federal system stores the county as IN-Marion. Does IURC want to see IN-Marion displayed or just Marion? How does IURC want this information displayed?

## Proposed Solution

### Option A: SharePoint Forms

This option would use SharePoint "Custom Lists" to build the forms necessary for collection IURC information. This feature is available within SharePoint and is much easier and quicker to create basic forms than creating custom web parts. A SharePoint administrator can add a new custom list and in the process import all of the initial federal data from an Excel spreadsheet. The custom list will have its columns automatically created by referring to the columns in the uploaded Excel document. These columns can then be modified or deleted and additional columns can be added, including drop down list columns that are populated by referring to other custom SharePoint lists (such as list of US States).

It's important to note, that along with the ease and speed of custom lists also come the rigid limitations of custom lists. Any validations, beyond required or not, can quickly get more complicated and require the use of the 'SharePoint Designer' tool for customization beyond the basics of what you can do within SharePoint itself. It is assumed that there will be a couple of more advanced validation needs beyond the standard SharePoint validation and we'll use SharePoint Designer to create those solutions.

Another important limitation of SharePoint Custom Lists is that more advanced interface options – such as a state drop down list automatically filtering a county drop down list below it – are so much more difficult in SharePoint 2007 lists, that it's usually more efficient to simply create the form in a custom web part at that point. The key thing to remember is that 'Custom Lists' are for basic data input with at



most some form field items – such as drop down lists – that are maintained and populated by other custom lists.

Lastly, custom lists store their data within the SharePoint database itself. For external applications wishing to interact with that data, they would use the available SharePoint web services. If there are external applications or users who will want to interact directly with the application's database – possibly writing SQL queries or creating additional reports outside of SharePoint – then a better solution may be creating Custom Web Parts which would use their own application specific database.

### Option B: Web Parts Solution

This option would involve creating custom “Web Parts” for SharePoint 2007. Web parts allow you to essentially create a stand-alone custom solution that happens to ‘plug-in’ to SharePoint 2007. Once ‘plugged-in’ or installed, the web parts can be placed on any web part supported page. There are no serious limitations to the type of field validation, form layout or form behavior when using Custom Web Parts.

The Web Parts will use their own stand-alone database and communicate with that database directly when the SharePoint web page loads. With an application specific database, users can more easily work directly with the database – writing SQL Queries or creating reports external from SharePoint.

The primary drawback for custom web parts is that they take longer to build a solution then with SharePoint “Custom Lists”, and hence it costs more. On average, an experienced SharePoint developer can create a “Custom Web Part Solution” in slightly less the time it takes to create that application if it were a complete stand-alone app. It's slightly less than a stand-alone solution because the developer doesn't have to recreate the authentication and authorization pieces that SharePoint automatically offers. It's significantly longer than using SharePoint “Custom lists” because every web form and data list has to be created from scratch as well as the database code to manage that data in the application specific database.



## Cost Proposal

Estimates provided in this document are based on MID's experience implementing systems for the IURC and similar clients. MID will follow all written standards for development on both SharePoint Application and Web Reporting application. The following options only differ in the technical approach over the SharePoint Application. Both estimates include testing and assistance in implementation of the project.

<i>Option A: SharePoint Forms</i>	<i>\$17,000</i>
<i>Option B: Web Parts Solution</i>	<i>\$23,500</i>

All deliverables are guaranteed to the extent that we will not receive nor accept final payment until IURC is satisfied that they are working as described in this proposal and most importantly as understood by all IURC stakeholders. Further, we will repair any functional flaws that are found within the first 180 days from the date the function was considered as "in production". Included in our commitment to quality are the interfaces required to deal with interdepartmental operating procedures and third party vendors.



## Attachment A: Attribute List

Comparison of the Pipeline Attribute list - Attributes from the current paper Pipeline form, and the Federal input form

Notes: Blank lines in columns G and H means there is no common name

Lines that exist below Excel line 44 are not on the new Pipeline Safety form.

Num	New system	Req	Validation	Opt	Page/Pos	State form 54122	Page/Pos
1	submitted to IURC-Pipeline Safety on:	R	date		p2/7	submitted to IURC-Pipeline Safety on:	p1/1
2	Who is submitting this information?	R	State Regulator List		p1/1		
3	Name of the person providing this information:	R	????	O	p2/9	Name of the person providing this information:	p1/2
4	Business Address	R		O	p2/10	Business Address (number and street)	p1/3
5	City, State, and Zip Code:	R		O	p2/11	City, State, and Zip Code:	p1/4
6	Telephone Number :	R	10 digit/format (xxx)- xxx-xxxx	O	p2/12	Telephone Number (area code):	p1/5
Excavator Information, if known							
7	Full Name:	R		O	p1/14	Full name	p1/8
8	Business Address	R		O	p1/16	Business Address (number and address)	p1/9
9	City, State, and Zip Code:	R		O	p1/17	City, State, and Zip Code:	p1/10
10	Telephone Number :	R	10 digit/format (xxx)- xxx-xxxx	O	p1/18	Telephone Number (area code):	p1/11
Excavation or Demolition Equipment:							
11	Type of excavation or demolition		type of excavator list		p1/15	Type of excavation or demolition	p1/14
12	Type of excavation or demolition equipment		type of excavation Equipment List		p1/16	Type of excavation or demolition equipment	p1/15
13	Type of work performed	R	type of worked performed list		p1/17	Type of work performed	p1/16
Date of Damage							
14	Date of damage	R	10 <i>Date?</i> character/form at MM/DD/YYYY		3	Date of damage	p2/1
15	County	R	county list		6	County	p2/2
16	City/subdivision/Location Name:	R			7	City/subdivision/Location Name:	P2/3
17	Street Address	R			8	Street Address	p2/4
18	Nearest Intersection	R			9	Nearest Intersection	p2/5



19	Right of way where incident occurred		right of way list (private, public)		10	Right of way where incident occurred	p2/6	
20	Was there a release of product or material		Yes/No list	O	p2/22	Was there a release of product?	p2/7	
21	Was there an ignition of the released gas or material		Yes/No list	O		24	Was there an ignition of the released gas or material	p2/13
Affected Facility Information								
22	What type of facility operation was affected?	R	type of facility list		p1/11	What type of facility operation was affected?	p2/17	
23	What type of product was involved?	R				What type of product was involved?	P2/18	
24	Was there evidence the excavator violated the 2 foot tolerance zone		Yes/No list					
Notification, Locating, Marking								
25	Did excavator follow the law with respect to requesting a locate and commencing work?		Yes/No list	O		27	Did excavator follow the law with respect to requesting a locate and commencing work?	p2/20
26	Did excavator notify you in the event of damage?	R	Yes/No list	O		28	Did excavator notify you in the event of damage?	p2/21
27	One Call ticket number if known:	R			,N)	One Call ticket number if known:	p3/1	
28	Contract or company locator		????			Contract or company locator	p3/2	
29	If contracted, what was the name of the contracted locator?		????	O		30	If contracted, what was the name of the contracted locator?	p3/3
30	Were the facility locate marks visible in the area of the excavation or demolition?		Y/N list			22	Were the facility locate marks visible in the area of the excavation or demolition?	p3/4
31	Were facilities marked correctly?		Y/N list			23	Were facilities marked correctly?	P3/5
32	Type of marking used:		type of markings list	O		32	Type of marking used:	p3/7
33	If other, explain:			O		33	If other, explain:	p3/8
34	Was site marked by "White Lining"		Yes/No list	O	p3/1	Was site marked by "White Lining"	p3/9	
35	Were special instruction part of the locate order?		Yes/No list	O		2	Were special instruction part of the locate order?	P3/10
36	Were pipeline representatives on site at the time of the excavation or demolition?		Yes/No list	O		5	Were pipeline representatives on site at the time of the excavation or demolition?	p3/13
38	Possible cause					3	Possible cause	p3/14
39	Additional Comments:					5	Additional Comments:	p3/15
						4		
						5		
						12		
						13		
						14		
						18		



		19		
		21	Locating equipment, if known:	p3/6
		24		
		25		
		26		
		27		
		28	Was there a customer service interruption?	p2/8
		29	Projected timeline for completion of re-lights after repairs are made	p2/10
		30	If yes, how many affected	p2/9
		31	property damage?	p2/16
	p2/1		Injuries, how many?	p2/14
		2	fatalities, how many?	P2/15
		4		
	0	7		
	0	12	Fax Number (area code):	p1/6
	0	13	Email address:	p1/7
	0	15		
	0	19	Fax Number (area code):	p1/12
	0	20	Email address:	p1/13
	0	22	Were evacuations necessary as a result of the release of gas or hazardous material?	p2/11
	0	23	If yes, how many were evacuated?	p2/12
	0	25		
	0	26	What was the depth of the damaged facility	p2/19
	0	29		
	0	31		
	0	3	Were maps used during the mapping?	P3/11
	0	4	Did the pipeline operator provide a positive response?	p3/12
	0	6		
	0	7		
	0	8		
	0	9		
	0	10		



Attachment B: Form Layout



# Damage Information Report - Pipeline Safety Division

State Form 54122 (R / 11-09)

**Indiana Utility Regulatory Commission**

Submitted to IURC-Pipeline Safety on: 08/19/2010

## Who is submitting this information?

Name of the person providing this information

Business address

City, State, Zip Code

Telephone

## Excavator Information

If not known, skip this section

Full Name

Business Address

City, State, Zip Code

Telephone

Please input 10 digits



## Excavation or Demolition Information

Type of excavation or demolition

Type of excavation or demolition

Type of work performed

## Date and Location of Damage

Date of Damage

Please input in MM/DD/YYYY format

County

City/Subdivision/Location Name

Street Address

Nearest Intersection

Right of way where incident occurred  Public  
 Private

Was there a release of gas or material?  Yes  No

Was there ignition of the released gas or material? Yes  No

# STATE OF INDIANA



INDIANA UTILITY REGULATORY COMMISSION  
101 WEST WASHINGTON STREET, SUITE 1500 EAST  
INDIANAPOLIS, INDIANA 46204-3407

<http://www.in.gov/iurc>  
Office: (317) 232-2701  
Facsimile: (317) 232-6758

August 31, 2010

Warren Osterberg  
U.S. Department of Transportation  
Pipeline and Hazardous Material  
Safety Administration (PHMSA)  
ATTN: Office of Contracts and Procurement (PHA-30)  
1200 New Jersey Avenue, SE, Room E22-305  
Washington, DC 20590

RE: DTPH56-11-SN-0001 / 2011

Dear Mr. Osterberg:

I, Governor Mitch Daniels, hereby designate the Indiana Utility Regulatory Commission as the Indiana State Authority eligible to receive the State Damage Prevention Grant in calendar year 2011 under Section 2; 49 U.S.C. § 60134, State Damage Prevention Programs.

Mitch Daniels, Governor  
State of Indiana  
08/31/2010

**Application for Federal Assistance SF-424**

Version 02

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
--	--	---

* 3. Date Received: <input type="text" value="09/03/2010"/>	4. Applicant Identifier: <input type="text"/>
--	--

5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>
--	---

**State Use Only:**

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
---	---

**8. APPLICANT INFORMATION:**

\* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="35-6000158"/>	* c. Organizational DUNS: <input type="text" value="086329518"/>
--	---

**d. Address:**

* Street1:	<input type="text" value="101 W. Washington Street, Suite 1500E"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Indianapolis"/>
County:	<input type="text"/>
* State:	<input type="text" value="IN: Indiana"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="46204-0000"/>

**e. Organizational Unit:**

Department Name: <input type="text"/>	Division Name: <input type="text"/>
--	--

**f. Name and contact information of person to be contacted on matters involving this application:**

Prefix: <input type="text" value="Mr ."/>	* First Name: <input type="text" value="William"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Boyd"/>	
Suffix: <input type="text"/>	

Title:

Organizational Affiliation:

* Telephone Number: <input type="text" value="317-232-2718"/>	Fax Number: <input type="text"/>
---	----------------------------------

\* Email:

**Application for Federal Assistance SF-424**

Version 02

**9. Type of Applicant 1: Select Applicant Type:**

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

**\* 10. Name of Federal Agency:**

Pipeline & Hazardous Material Safety Administration

**11. Catalog of Federal Domestic Assistance Number:**

20.720

CFDA Title:

State Damage Prevention Program Grants

**\* 12. Funding Opportunity Number:**

DTPH56-11-SN-0001

\* Title:

State Damage Prevention Grants

**13. Competition Identification Number:**

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

**\* 15. Descriptive Title of Applicant's Project:**

INDIANA UTILITY REGULATORY COMMISSION State Damage Prevention

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424**

Version 02

**16. Congressional Districts Of:**

\* a. Applicant

\* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

**17. Proposed Project:**

\* a. Start Date:

\* b. End Date:

**18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="100,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="100,000.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on .
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes  No

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

\*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title:

\* Telephone Number:  Fax Number:

\* Email:

\* Signature of Authorized Representative:  \* Date Signed:

**Application for Federal Assistance SF-424**

Version 02

**\* Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

**BUDGET INFORMATION - Non-Construction Programs**

OMB Approval No. 4040-0006  
Expiration Date 07/30/2010

**SECTION A - BUDGET SUMMARY**

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. State Damage Prevention Program		\$	\$	\$ 100,000.00	\$ 0.00	\$ 100,000.00
2.						
3.						
4.						
<b>5. Totals</b>		\$	\$	\$ 100,000.00	\$	\$ 100,000.00

**SECTION B - BUDGET CATEGORIES**

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	SDP				
a. Personnel	\$ 53,000.00	\$	\$	\$	\$ 53,000.00
b. Fringe Benefits	9,800.00				9,800.00
c. Travel	8,375.00				8,375.00
d. Equipment	0.00				
e. Supplies	250.00				250.00
f. Contractual	0.00				
g. Construction	0.00				
h. Other	28,575.00				28,575.00
i. Total Direct Charges (sum of 6a-6h)	100,000.00				\$ 100,000.00
j. Indirect Charges	0.00				\$
k. TOTALS (sum of 6i and 6j)	\$ 100,000.00	\$	\$	\$	\$ 100,000.00
7. Program Income	\$	\$	\$	\$	\$

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Prescribed by OMB (Circular A -102) Page 1A

**SECTION C - NON-FEDERAL RESOURCES**

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8. <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
9. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>12. TOTAL (sum of lines 8-11)</b>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

**SECTION D - FORECASTED CASH NEEDS**

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input type="text"/>				
14. Non-Federal	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>15. TOTAL (sum of lines 13 and 14)</b>	\$ <input type="text"/>				

**SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT**

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
17. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>20. TOTAL (sum of lines 16 - 19)</b>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

**SECTION F - OTHER BUDGET INFORMATION**

21. Direct Charges: <input type="text"/>	22. Indirect Charges: <input type="text"/>
23. Remarks: <input type="text"/>	

---

## CERTIFICATION REGARDING LOBBYING

### Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

<b>* APPLICANT'S ORGANIZATION</b>	
<input style="width: 100%;" type="text" value="INDIANA UTILITY REGULATORY COMMISSION"/>	
<b>* PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE</b>	
Prefix: <input style="width: 100px;" type="text" value="Mr."/>	* First Name: <input style="width: 200px;" type="text" value="William"/> Middle Name: <input style="width: 150px;" type="text"/>
* Last Name: <input style="width: 300px;" type="text" value="Boyd"/>	Suffix: <input style="width: 80px;" type="text"/>
* Title: <input style="width: 250px;" type="text" value="Director Pipeline Safety Division"/>	
* SIGNATURE: <input style="width: 300px;" type="text" value="William Boyd"/>	* DATE: <input style="width: 150px;" type="text" value="09/03/2010"/>