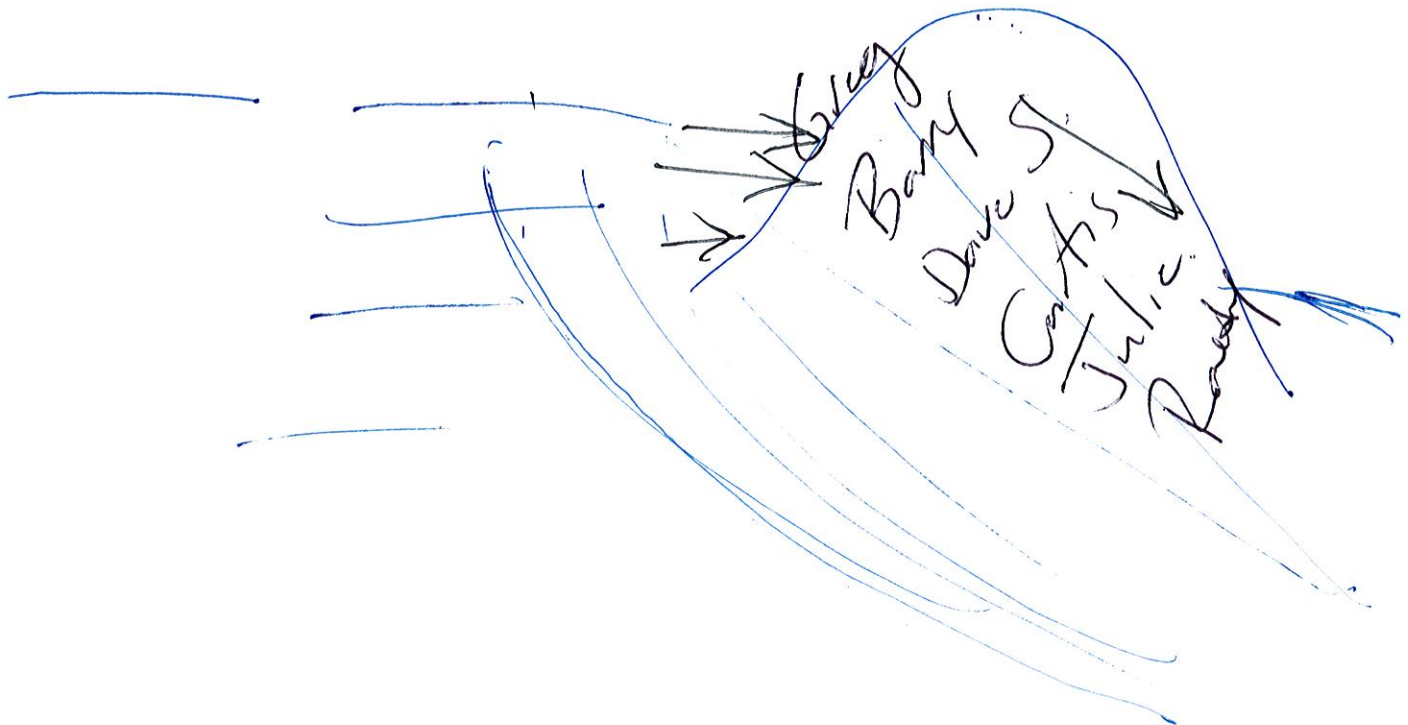


GUE-CR 35 Flood Protection Analysis

New Road Elevation = 793 to 791; Old Road Elevation = 796.

	Option 1	Option 2	Option 3
Height	6'	3'	10'-12'
Elevation	796+	793	800'-802'
Build As-Undrained FS	0.76	0.88	N/A
Long Term Drainage FS	1.06	1.65	N/A
Drained Waiting Period	6-8 mo.	6-8 mo.	N/A
Estimated Cost	\$481,000	\$481,000	\$1.3-\$2.3 mil
Notes:	<p>* No waiting period considered for construction cost.</p> <p><i>Need FS = 1.4 can't have: can't build.</i></p>	<p>* Class 3 Level- ODNR approval not needed.</p> <p>* Del George won't approve flood protection.</p> <p>* No waiting period considered for construction cost.</p>	<p>* Sheet Pile Wall with CIP concrete wall.</p>



Greg
Murphy/Production/D05/ODO
T

05/15/2006 12:58 PM

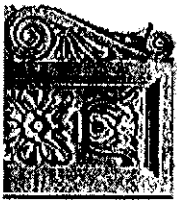
To Natasha Polk/Production/D05/ODOT@ODOT
cc David Slatzer/Production/D05/ODOT@ODOT, Julie
Gwinn/Planning/D05/ODOT@ODOT

bcc

Subject Re: GUE-CR 35 Flood Protection Analysis 

Julie - as discussed, Option 1 is not buildable because we need at least a FS = 1.4 - it was included for information purposes only.

Greg Murphy
Ohio Department of Transportation
(740) 323-5100
Natasha Polk/Production/D05/ODOT



Natasha
Polk/Production/D05/ODOT
05/15/2006 12:56 PM

To Julie Gwinn/Planning/D05/ODOT@ODOT
cc Greg Murphy/Production/D05/ODOT@ODOT, David
Slatzer/Production/D05/ODOT@ODOT
Subject GUE-CR 35 Flood Protection Analysis

Hi Julie-

Per Greg's request, attached is the GUE-CR 35 flood protection analysis.

Thanks!



GUE CR35 Flood Protection Analysis.xls

Natasha Polk
Office of Production, ODOT District 5
Phone: 740-323-5101 Fax: 740-323-5125



David
Slatzer/Production/D05/ODO
T

06/12/2006 11:35 AM

To Joseph Broschart/Planning/D05/ODOT@ODOT
cc Barry Thompson/Production/D05/ODOT@ODOT, Jason
Sturgeon/Production/D05/ODOT@ODOT, Greg
Murphy/Production/D05/ODOT@ODOT, Julie
bcc
Subject Gue-CR-35 (75493)

Joe,

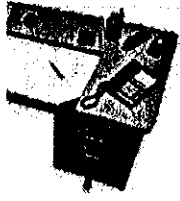
Greg, received a call from Jeff Hisem saying that we didn't need to file this plan. He did state that we needed to put a waver request in Ellis. Could you do that as soon as possible.

I don't know what the justification will be. Basically we don't have enough money because the locals refused to allow the project to move forward as initially scoped.

I know you are busy with the latest Ellis stuff but, have you had a chance to create a funding event line for Lic-62-2.41 for the mod to get from Step 5 thru 10? That is the last thing I need to finish it. I would like to get it over there before the cut-off date.

Thanks

Dave Slatzer, P.E.
Ohio Dept. of Transportation
District 5 - Production
Phone (740) 323-5117
Fax (740)323-5125



Kathy
Ferguson/ChiefLegal/CEN/OD
OT

08/14/2006 02:59 PM

To Julie Gwinn/Planning/D05/ODOT@ODOT
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy
Comisford/Planning/D05/ODOT@ODOT

bcc

Subject Re: not allow trucks

I can call the Guernsey County Prosecutor's office to initiate a discussion.

Kathy A. Ferguson
Deputy Chief Legal Counsel, Ohio Department of Transportation
1980 W. Broad Street, P.O. Box 899
Columbus, Ohio 43216-0899
Kathy.Ferguson@dot.state.oh.us
(614) 466-3664
Fax: (614) 387-7431

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Julie Gwinn/Planning/D05/ODOT



Julie
Gwinn/Planning/D05/ODOT

08/14/2006 02:53 PM

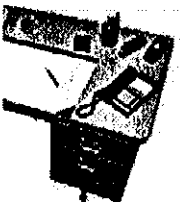
To Kathy Ferguson/ChiefLegal/CEN/ODOT@ODOT

cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy
Comisford/Planning/D05/ODOT@ODOT

Subject Re: not allow trucks

Yes, I have spoken to the Guernsey County Engineer. He stated that he is supportive of a truck restriction on the route, but did not know about the legal issues to get this accomplished. He asked that I coordinate with our legal counsel for guidance on how to proceed.

Julie Gwinn, P.E.
Planning Administrator
(740)323-5180
fax (740)323-5189
Kathy Ferguson/ChiefLegal/CEN/ODOT



Kathy
Ferguson/ChiefLegal/CEN/O
DOT

08/14/2006 02:38 PM

To Julie Gwinn/Planning/D05/ODOT@ODOT

cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy
Comisford/Planning/D05/ODOT@ODOT

Subject Re: not allow trucks

Since we want to limit trucks or the height of trucks on County Road 35, I think the first step is to approach the County Engineer and ask if this is something he's amenable to doing. If so, the Engineer is probably going to work with the Guernsey County Prosecutor's office in order to determine if 1) they have the legal authority to restrict truck traffic and if so, 2) what steps will have to be taken by the County Commissioners to accomplish this. Since this involves a County Road, its really up to their legal counsel to determine

what steps have to be taken to accomplish this.

Have you had any discussions with the Guernsey County Engineer on this matter?

Kathy A. Ferguson
Deputy Chief Legal Counsel, Ohio Department of Transportation
1980 W. Broad Street, P.O. Box 899
Columbus, Ohio 43216-0899
Kathy. Ferguson@dot.state.oh.us
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Julie Gwinn/Planning/D05/ODOT



Julie
Gwinn/Planning/D05/ODOT
08/10/2006 01:21 PM

To Kathy Ferguson/ChiefLegal/CEN/ODOT@ODOT
cc Randy Comisford/Planning/D05/ODOT@ODOT, Curtis
Zigan/Planning/D05/ODOT@ODOT
Subject not allow trucks

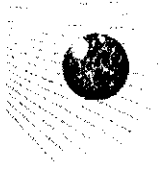
Hi Kathy,

In Guernsey County, Interstate 70 goes over County Road 35. The vertical clearance for traffic on CR 35 is less than the minimum allowed in our design manual and as a result our interstate bridge beams are hit quite frequently. We are concerned about the continued stability of our IR 70 bridge with continued bridge hits. As a result, we have investigated a number of ideas to lower CR 35 to improve the vertical clearance and, we have determined that it would be very costly to perform this work as CR 35 runs parallel to the Muskingum River resulting in the need to include a lot of additional work to keep the road out of the floodplain.

We have done a number of heat straightening projects to our interstate bridge as a result of trucks hitting the bridge. We are concerned that we may not be able to continue to fix the beams. Is it possible to ask Guernsey County to pass a resolution prohibiting trucks from utilizing the county road? If so, what needs to be done in order to get this accomplished? Would we have to restrict all trucks or would it be restricted by tonage or some other method?

Thanks for your help.

Julie Gwinn, P.E.
Planning Administrator
(740)323-5180
fax (740)323-5189



Tim
Keller/Structures/CEN/ODOT
08/23/2006 04:14 PM

To Kathy Ferguson/ChiefLegal/CEN/ODOT@ODOT, Julie
Gwinn/Planning/D05/ODOT@ODOT
cc
bcc
Subject Fw: not allow trucks

Kathy/Julie:

Curtis forwarded me your e-mails on this issue. He asked me if I knew of anywhere we had done something similar. (I had not) Another piece of the pie on this issue is enforcement. We may be able to install a sign, but without some targeted enforcement, the truckers will see that the sign has no teeth. Is the sheriff willing to enforce? I believe that would be a good question for the county engineer to take up with the sheriff. I don't know if we (ODOT) want to consider paying the overtime for the sheriff's office to do some limited targeted enforcement???? I don't want to jump into a situation that is already being discussed so I will throw these ideas out there for the two of you. If I can be of help, my number is below and would be happy to help.

Thank You

Tim Keller
State Bridge Engineer
Ohio Department of Transportation
Telephone No. (614) 466-2463
Fax No. (614) 752-4824
e-mail: Tim.Keller@dot.state.oh.us

----- Forwarded by Tim Keller/Structures/CEN/ODOT on 08/23/2006 04:05 PM -----



Curtis
Zigan/Planning/D05/ODOT
08/15/2006 04:32 PM

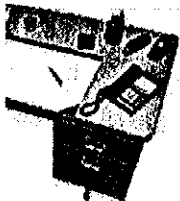
To Tim Keller/Structures/CEN/ODOT@ODOT
cc
Subject Fw: not allow trucks

fyi

~~~~~Thanks~~~~~

Curtis L. Zigan ODOT-District Five  
czigan@dot.state.oh.us Bridges (Planning)  
Ph.# (740)323-5109 Fax # (740)323-3470

----- Forwarded by Curtis Zigan/Planning/D05/ODOT on 08/15/2006 04:29 PM -----



Kathy  
Ferguson/ChiefLegal/CEN/O  
DOT  
08/15/2006 08:08 AM

To Julie Gwinn/Planning/D05/ODOT@ODOT  
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy  
Comisford/Planning/D05/ODOT@ODOT  
Subject Re: not allow trucks

Great. I'll hold off until I hear from you.


Kathy A. Ferguson

Deputy Chief Legal Counsel, Ohio Department of Transportation  
1980 W. Broad Street, P.O. Box 899  
Columbus, Ohio 43216-0899  
Kathy. Ferguson@dot.state.oh.us  
(614) 466-3664  
Fax: (614) 387-7431

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Julie Gwinn/Planning/D05/ODOT



Julie  
Gwinn/Planning/D05/ODOT  
08/15/2006 08:03 AM

To Kathy Ferguson/ChiefLegal/CEN/ODOT@ODOT  
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy  
Comisford/Planning/D05/ODOT@ODOT  
Subject Re: not allow trucks 

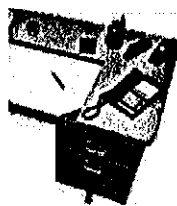
Kathy,

Thanks for the offer.


Before you call the prosecutor, I want to let the county engineer know that you will be contacting the prosecutor. However, the county engineer is out until next week. I will call him next week and let you know when I have made contact.

Thanks again.

Julie Gwinn, P.E.  
Planning Administrator  
(740)323-5180  
fax (740)323-5189  
Kathy Ferguson/ChiefLegal/CEN/ODOT



Kathy  
Ferguson/ChiefLegal/CEN/O  
DOT  
08/14/2006 02:59 PM

To Julie Gwinn/Planning/D05/ODOT@ODOT  
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy  
Comisford/Planning/D05/ODOT@ODOT  
Subject Re: not allow trucks 

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Julie Gwinn/Planning/D05/ODOT

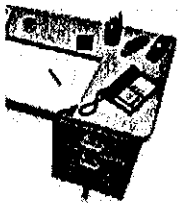


Julie  
Gwinn/Planning/D05/ODOT  
08/14/2006 02:53 PM

To Kathy Ferguson/ChiefLegal/CEN/ODOT@ODOT  
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy  
Comisford/Planning/D05/ODOT@ODOT  
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(740)323-5180  
fax (740)323-5189  
Kathy Ferguson/ChiefLegal/CEN/ODOT



Kathy  
Ferguson/ChiefLegal/CEN/O  
DOT  
08/14/2006 02:38 PM

To Julie Gwinn/Planning/D05/ODOT@ODOT  
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Randy  
Comisford/Planning/D05/ODOT@ODOT  
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Deputy Chief Legal Counsel, Ohio Department of Transportation  
1980 W. Broad Street, P.O. Box 899  
Columbus, Ohio 43216-0899  
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Fax: (614) 387-7431

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Julie Gwinn/Planning/D05/ODOT



Julie  
Gwinn/Planning/D05/ODOT  
08/10/2006 01:21 PM

To Kathy Ferguson/ChiefLegal/CEN/ODOT@ODOT  
cc Randy Comisford/Planning/D05/ODOT@ODOT, Curtis  
Zigan/Planning/D05/ODOT@ODOT  
Subject not allow trucks

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Thanks for your help.

Julie Gwinn, P.E.  
Planning Administrator  
(740)323-5180  
fax (740)323-5189



Curtis  
Zigan/Planning/D05/ODOT  
10/11/2006 01:18 PM

To Julie Gwinn/Planning/D05/ODOT@ODOT  
cc Tim Keller/Structures/CEN/ODOT@ODOT, Albert  
Abel/Planning/D05/ODOT@ODOT  
bcc  
Subject Fw: Overheight Vehicle Detection Products

See below.

~~~~~Thanks~~~~~  
Curtis L. Zigan ODOT-District Five
czigan@dot.state.oh.us Bridges (Planning)
Ph.# (740)323-5109 Fax # (740)323-3470
~~~~~

----- Forwarded by Curtis Zigan/Planning/D05/ODOT on 10/11/2006 01:16 PM -----



Dave  
Holstein/Traffic/CEN/ODOT  
10/06/2006 01:53 PM

To George Saylor/Traffic/CEN/ODOT@ODOT  
cc Marian Thompson/Traffic/CEN/ODOT@ODOT, Curtis  
Zigan/Planning/D05/ODOT@ODOT  
Subject Re: Overheight Vehicle Detection Products

Curtis - As requested. Please advise on any assistance you may need.

Thanks George.

Dave Holstein  
ODOT Office of Traffic Engineering  
PH 614-466-3601  
email david.holstein@dot.state.oh.us  
George Saylor/Traffic/CEN/ODOT

George  
Saylor/Traffic/CEN/ODOT  
10/06/2006 09:02 AM

To Dave Holstein/Traffic/CEN/ODOT@ODOT  
cc Marian Thompson/Traffic/CEN/ODOT@ODOT  
Subject Overheight Vehicle Detection Products

A few links for OVWS vendors and information.

IRD (International Road Dynamics):  
[http://www.irdinc.com/its\\_solutions/pdf/OHDetector\\_0606.pdf](http://www.irdinc.com/its_solutions/pdf/OHDetector_0606.pdf)

Trigg Industries:  
[http://www.triggindustries.com/ovds\\_installation\\_bridges\\_tunnels.htm](http://www.triggindustries.com/ovds_installation_bridges_tunnels.htm)

Banner Engineering:  
<http://www.roadtraffic-technology.com/contractors/detection/banner-engineering/banner-engineering2.htm>

|

Oregon DOT Spec for OVWS:

<http://www.oregon.gov/ODOT/HWY/SPECS/docs/unique/U220-225-overheight-vehicle-warning-system.doc>

NC DOT Legal Requirements for Installing OVWS:

<http://www.ncdot.org/doh/preconstruct/traffic/tepl/Topics/T-42/T-42.html>

George W. Saylor, P.E.

Senior ITS Engineer

Office of Traffic Engineering

Ohio Department of Transportation

1980 W. Broad St., 3rd Floor - SW

Columbus, OH 43223

Voice (614) 752-8099 Fax (614) 644-8199 E-Mail: [George.Saylor@dot.state.oh.us](mailto:George.Saylor@dot.state.oh.us)

1 of 1 DOCUMENT

PAGE'S OHIO REVISED CODE ANNOTATED  
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\* CURRENT THROUGH LEGISLATION PASSED BY THE 126TH OHIO GENERAL ASSEMBLY \*  
\* AND FILED WITH THE SECRETARY OF STATE THROUGH DECEMBER 28, 2006 \*  
\* ANNOTATIONS CURRENT THROUGH OCTOBER 1, 2006 \*

TITLE 55. ROADS -- HIGHWAYS -- BRIDGES  
CHAPTER 5577. LOAD LIMITS ON HIGHWAYS

**GO TO CODE ARCHIVE DIRECTORY FOR THIS JURISDICTION**

*ORC Ann. 5577.09 (2006)*

§ 5577.09. Rules; signs

All rules as provided by *section 5577.08 of the Revised Code* shall be made by the board of county commissioners, at regular meetings, by a majority vote. Such rules shall be kept on file in the office of the board and open for inspection by the public.

At least two days before such rules become effective the board shall cause to be placed and retained on county and township highways classified under *section 5577.08 of the Revised Code* or sections thereof, and on any bridge classified under *section 5577.08 of the Revised Code*, at both ends and at any points of intersection, signs, of substantial construction, which will conspicuously indicate the limitations of weight of vehicle and load or speed which will be allowed on such highways or bridges.

It shall be unlawful to operate upon such highway or bridge a vehicle whose maximum weight or speed is in excess of the limitations prescribed. The expense of the purchase and erection of signs provided for in this section shall be paid from the county funds for the maintenance and repair of highways, bridges, and culverts.

**HISTORY:**

GC § 7249-3; 111 v 246; Bureau of Code Revision, 10-1-53; 142 v H 409. Eff 5-31-88.

**NOTES:**

Related Statutes & Rules

Cross-References to Related Statutes

Penalty, *RC* § 5577.99.

Enforcement of weight regulations by sheriff's deputies; appropriation of funds, *RC* § 5577.13.

Case Notes & OAGs

APPLICABILITY.

## ORC Ann. 5577.09

The provisions of RC Chapter 5577, with regard to maximum weight, length, width, and height are applicable and enforceable as to vehicles traveling on any improved street, highway, bridge, or culvert within the state, irrespective of whether the county commissioners have complied with *RC* § 5577.08: OAG No. 79-035 (1979).



8420 Estates Court  
Plain City, Ohio 43064  
800.380.1718 Toll Free  
614.873.8095 Fax

---

## Over Height Vehicle Detection System

### I. Summary of System

The functionality of the system is as follows:

When an over-height vehicle is detected by the Trigg Industries Model 3400-Z sensor, the unit closes two relay outputs. The first relay output is connected to the transmitter module of a model RFL-1004 RF link. The receiver of the RF link is connected to a beacon flasher and to a Model 3600 alarm bell which are turned on for 10 to 100 seconds after the trigger event. The other relay output is connected to a video camera trigger and a QTT remote device. The camera records video images of the over-height vehicle for 15 seconds after the trigger event. The QTT remote device will report to the IntelliZone central server approximately every 10 minutes providing the time of the event and the images captured by the camera. The QTT remote device will be connected by a wireless data link to the server in the TOC. Each time an over-height event is detected, an alert email will be sent to pre-determined recipients.

The time of each activation of the system will be logged at the central server. The video images will be saved at the central server and can be retrieved, viewed, and / or deleted by the operator.

The IOHAS system is able to operate continuously for 24 hours per day, seven days per week and is able to provide information to motorists and authorities regarding over-height, vehicle length, and classification at the sensor location.

The parts making up the system are:

#### South Bound System:

- 1 each A-1 Z-Pattern System consisting of a Master and Remote Unit (AC Power Configuration)
- 2 each Telescoping Mounting Poles
- 2 each Three Axis Mount
- 1 each Direction Oriented Alarm Bell
- 1 each Short Range Radio Frequency Link
- 1 each Still Frame Color Video Camera
- 1 each Flashing Beacon Assembly

#### North Bound System:

- 1 each A-1 Z-Pattern System consisting of a Master and Remote Unit (AC Power Configuration)
- 2 each Telescoping Mounting Poles
- 2 each Three Axis Mount
- 1 each Direction Oriented Alarm Bell
- 1 each Short Range Radio Frequency Link
- 1 each Still Frame Color Video Camera
- 1 each Flashing Beacon Assembly

The entire system shall be 110VAC

The Z-Pattern® Over-height Vehicle Detection System (OVDS) employs both a pulsed visible Red and Infrared source/detector pair of eyes.

Both Remote and Master cabinets contain a detector and pulsed source. All Control, Fault Detection, and Alarm functions are contained in the Master cabinet. The Dual Beam Detection Mode provides for direction selection/discernment. Due to the Z-Pattern® design, it is necessary to provide a two-conductor shielded cable between the Remote cabinet and the Master cabinet for the Remote detection signal input.

Fault detection circuits switch the OVDS to Single Beam Detection Mode if one beam should fail or be affected by the sun or other outside interference. The system will return to the Dual Beam Detection Mode after the temporarily impaired beam is back in normal operation for approximately 90 seconds. There is no direction discernment in the Single Beam Detection Mode but over-height detection is maintained. The OVDS is interfaced to the system by having the relay output connected to the signs, the camera, and the control computer.

The color CCTV will have pan, tilt, and zoom capabilities with user definable preset conditions. The CCTV system will include a video server and will be controlled via a web browser based interface. The CCTVs will be located in accordance with project plans, and as appropriate will be either pole-mounted. The CCTV system will be capable of being powered by AC power.

The CCTV camera will be triggered by a relay contact closure to take a photograph of whatever is in its field of view at a fixed interval after an over-height situation is detected.

Data from the CCTV camera will be relayed to the central control computer using one of the wireless data communications radios in the wireless communications system described below.

The pan-tilt-zoom control software will be separate from the over-height detection system software.

The central control computer system will operate from one laptop or desktop computer.

- Intel-based using Windows XP or Server 2003
- Pentium 4 Processor 2.0 GHz or higher
- 80 GB Hard Drive
- 1 GB RAM
- Four serial ports (either direct or via USB)

The system software consists of the Central Control Software Application.

The central control software application provides the core functionalities of the system. This application sends necessary configuration parameter to the field sensors, reads data from the field sensors, and logs the data.

This software has the following functionalities:

- Software operates under Windows XP or Server 2003 operating systems
- Provides Graphical User Interface (GUI) that is compliant with Windows standards
- Includes screens for configuring the system
- Provides the capability to collect and store camera data
- Provides the capability for the user to monitor the status of the over-height detection system.

The control computer requires a climate controlled environment at 70 degrees Fahrenheit +/- 10 degrees. The computer operating system is a United States version of Windows 2000/XP/2003, which provides extensive security features. The IntelliZone software will be installed and running on the control computer. Log files will be stored locally on the computer and can only be accessed directly from the computer.

## **II. Pricing Summary**

Hardware:	\$164,750.00
Installation:	\$18,000.00
Total:	\$182,750.00

Price includes all items mentioned in section I plus the following:

1. I-Beam Sign Supports per ODOT Specifications
2. Extrusheet signs per ODOT Specifications
3. Solar Powered Flashing Beacon Assembly. (2 each)
4. Solar Power Assembly for Transmitter Side of OHVD system. (2 each)
5. Workstation Computer per the above mentioned specifications with 17" Flat Panel Monitor
6. Turn Key Installation

## **III. Exclusions**

1. ODOT to provide necessary traffic control for installation
2. ODOT to provide AC power drops at 2 each OHVD Receiver locations.
3. ODOT to provide Nextel or equivalent Wireless Data Modem activated with Static IP Data Plan. ODOT  
OMA pays \$13 per month for this service and \$150 for the Nextel modem.



David  
Slatzer/Production/D05/ODOT  
T

05/15/2006 11:23 AM

To Randy Comisford/Planning/D05/ODOT@ODOT, Joseph  
Broschart/Planning/D05/ODOT@ODOT  
cc Greg Murphy/Production/D05/ODOT@ODOT, Julie  
Gwinn/Planning/D05/ODOT@ODOT, Barry  
Thompson/Production/D05/ODOT@ODOT

bcc

Subject Fw: Gue-C.R. 35 PID 75439

Randy and Joe,

Just checking on the status of the legislation for this project. I don't see anything in Ellis. Is it needed?

Thanks

Dave Slatzer, P.E.  
Ohio Dept. of Transportation  
District 5 - Production  
Phone (740) 323-5117  
Fax (740)323-5125

----- Forwarded by David Slatzer/Production/D05/ODOT on 05/15/2006 11:22 AM -----



Randy  
Comisford/Planning/D05/ODOT

04/10/2006 06:52 AM

To David Slatzer/Production/D05/ODOT@ODOT  
cc Barry Thompson/Production/D05/ODOT@ODOT, Curtis  
Zigan/Planning/D05/ODOT@ODOT, Joseph  
Broschart/Planning/D05/ODOT@ODOT  
Subject Re: Gue-C.R. 35 PID 75439

Dave,

I checked the file there has been no legislation signed by the county. We will get that in the mail today. Thanks for looking into that. We probably need to sit down with Julie and discuss the funding issue. The County is doing this project at our request because of the impacts to the interstate. I'm not sure of what cost we will be picking up and what the county will be picking up. That will also make a difference on the legislation that we send.

Randy Comisford  
ODOT, District 5 LPA Coordinator  
(740)323-5184, (fax: 614-887-4522)  
Randy.Comisford@dot.state.oh.us

David Slatzer/Production/D05/ODOT

David  
Slatzer/Production/D05/ODOT  
T

04/07/2006 07:45 AM

To Joseph Broschart/Planning/D05/ODOT@ODOT, Randy  
Comisford/Planning/D05/ODOT@ODOT  
cc Curtis Zigan/Planning/D05/ODOT@ODOT, Barry  
Thompson/Production/D05/ODOT@ODOT  
Subject Gue-C.R. 35 PID 75439

Joe and Randy,

Do we need legislation for this project? There is currently nothing listed in ELLIS. Also, will we need to list any quantity splits on the General Summary. If so, what should the column headings be?

Thanks

Dave Slatzer, P.E.  
Ohio Dept. of Transportation  
District 5 - Production  
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# OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 9600 JACKSONTOWN RD., S.E. P.O. Box 306 JACKSONTOWN, OHIO 43030 (740) 323-4400

September 20, 2006

In regards to: Guernsey County IR 70 Structure over CR 35

Bridge Numbers: Gue-70-0943A; Structure file number (SFN)-3001202  
Gue-70-0943L; Structure file number (SFN)-3001237  
Gue-70-0943R; Structure file number (SFN)-3001261

Dan Padden - Guernsey County Prosecutor

Mr. Dan Padden,

At the above referenced location there exists a vertical clearance issue for the traffic traveling on CR 35. The existing height is less than the minimum suggested in ODOT's current Design Manual, which has resulted in several impacts a year to our structures on IR 70. Our concern is with the stability and load rating of our structures after these multiple impacts, most of which are unreported.

ODOT has investigated many alternatives to increase the vertical clearance, most of which are very costly or have sufficient impacts to the Interstate traffic. Due to current financial constraints; long term fix to this problem is not an option at this time. We have determined that the short term solution of prohibiting truck traffic on this route between Byesville and Cambridge would be the best option at this point in time. This would give ODOT time to explore other options without impacting interstate commerce and ensure public safety on both IR 70 and CR 35. Though ODOT has taken necessary precautions to ensure safety and integrity of our structures, the concern is the hits or damages that go unreported to ODOT.

If you have any question, please feel free to call me at 740-323-5109.

Respectfully,

Curtis L. Zigan, P.E.

ODOT, District Five Bridge Engineer

cc:/Del George, Guernsey County Engineer

Project File

Bridge File



8420 Estates Court  
Plain City, Ohio 43064  
800.380.1718 Toll Free  
614.873.8095 Fax

Mr. Curtis Zigan  
Ohio Department of Transportation  
9600 Jacksontown Road  
Jacksontown, Ohio 43030

Mr. Zigan,

Thank you for requesting a proposal for an Over Height Vehicle Detection System. Listed below are the components of our system.

1. Dual Beam Over Height Detection Sensor, Transmitter and Receiver (24VDC)
2. 10' to 16' Telescoping Mounting Pole – 2 per system
3. Short Range RF Link (12 VDC)
4. 12" Amber LED Flashing Beacon Assembly, including 2 12" lights and Flasher Module
5. Electronic Siren – Wail or Yelp (24 VDC)
6. Axis Sensor Mount – 2 per system
7. Technician on site for installation

We recommend the Dual Beam system for several reasons. First, the Dual Beam configuration allows the user to set the direction of traffic to reduce false readings. It also requires both beams to be broken to activate, which reduces the false activations caused by the rising and setting sun. This system is quoted as an AC powered configuration. We can add the possibility of using solar power. A solar power system would cost between \$8000-\$12000.

The price of this configuration is \$36,600. The following items are not included in this configuration:

1. Warning Sign
2. Warning Sign Structure
3. Installation
4. Any necessary power "drops" or connections

All of the components we have quoted are manufactured and supplied by Trigg Industries. The above pricing is for one side of the overpass. To provide detection for each, side the price of two systems would be \$73,200.

I am waiting on some additional information, and once that arrives I will forward you a detailed proposal and quotation. Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,

Mack Corbin  
M.H. Corbin, Inc.

Det  
740-432-2234

G-CK 35

1. build wall - \$1.2 -
- ✓ 2. raise interstate bridges - # probably more than \$1.2
- ✓ 3. buy rdw & rework high road.
4. do nothing. ←
5. modified lower profile -
6. raise the intersection @ <sup>Ch</sup> top. \$51
7. use shorter beams ←
8. ✱ additional signing on 35
9. not allow truck traffic.
10. camera -
11. call Holstein -

- sacr. fiscal beam  
- hire additional  
LEO

1. send letter to Det - not doing job
2. " " to Commissioner - no truck traffic
3. Holstein - traffic control & camera
4. replace deck & use shorter beams

steps to  
avoid this

# Daniel G. Padden

GUERNSEY COUNTY PROSECUTING ATTORNEY

DAVID H. DESELM  
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Assistant Prosecuting Attorney  
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December 15, 2006

Ohio Department of Transportation  
District 5  
Attention: Curtis L. Zigan, P.E.  
9600 Jackson Town Road, SE  
P. O. Box 306  
Jackson Town, Ohio 43030

**RE: GUERNSEY COUNTY INTERSTATE BRIDGE STRUCTURE  
OVER COUNTY ROAD 35**

Dear Mr. Zigan:

Thank you for your letter of December 1, 2006 to the Guernsey County Commissioners. I've had an opportunity to meet with the County Commissioners and County Engineer Del George.

The county is currently considering ways to restrict the use of County Road 35 to certain size vehicles.

As I am sure you are aware, there are a number of alternate ways in which to accomplish this. We would like to sit down with you or a representative of your staff to review the appropriate ways to restrict the traffic and to determine who will be responsible for the cost of the same.

We look forward to meeting with you. Could you please contact the County Commissioners to set up such a meeting.

Thank you.

