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2009 JUN -2 PM 3: 36

### **Public Utilities Commission of Ohio**

**PUCO** 

# Memo

To:

Docketing Division

From: George Martin, Grade Crossing Planner, Rail Divi

Re:

In the matter of the authorization of Norfolk Southern Railway to install an active grade crossing

warning device in Ashtabula County

Date:

June 2, 2009

The Ohio Rail Development Commission (ORDC) has authorized funding for Norfolk Southern Railway (NS) to install flashing lights and roadway gates in Ashtabula County, near Andover, US RT 6, DOT# 503-124J. This was crossing was surveyed (attached) on April 3, 2009 and found to warrant the upgrade.

This project will be actual cost and will be paid for with federal funds. Staff requests an Entry with plans and estimates to be submitted to the Commission and ORDC within 90 days and completion of the project within one year. Upon approval of the plans and estimates by ORDC construction may commence. A suggested case coding and heading would be:

-RR-FED In the matter of the authorization of Norfolk Southern PUCO Case No. 09-Railway to install an active grade crossing warning device in Ashtabula County

C: Legal Department

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business \_ Date Processed \_6/2/09 Please serve the following parties of record.

Ms Susan Kirkland
Ohio Rail Development Commission
50 W Broad St, 15<sup>th</sup> Floor
Columbus, Oh 43215

Mr Rick Ray
Norfolk Southern Railway
1200 Peachtree St NE, Box 123
Atlanta, Ga 30309

Mr Mark Thomas

ODOT District 4

705 Oakwood St

Ravenna, Oh 44266

## OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO:

George Martin, Planner, Railroad Division, PUCO

FROM:

Susan Kirkland, Manager, Safety Section, ORDC

BY:

Mike Forte', Project Manager, Safety Section, ORDC

SUBJECT:

Grade Crossing Warning Device Project

Ashtabula County, US 6-18.97 Norfolk Southern Railroad (NS)

AAR # 503 124J

DATE:

June 2, 2009

The Public Utilities Commission of Ohio (PUCO) selected the subject crossing as a priority selection for warning device improvement in March, 2009. PUCO conducted a diagnostic review on April 3, 2009. The ORDC attended the review.

The ORDC will fund the project at a 100% reimbursement to NS.

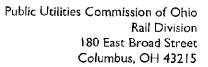
Please issue an Order for the upgrade of the crossing with improvements made as directed on the diagnostic form. Please have a copy of the review form added to the PUCO formal docket and distribute copies of the form to both railroads with the PUCO Order.

This construction authorization is made with the stipulation and understanding that any field work needs prior approval before the work begins. This authorization is made with the stipulation and understanding that an approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit.

Thank you for your assistance with these matters.

Attachment (Diagnostic Review)

c: Mike Forte' (file)

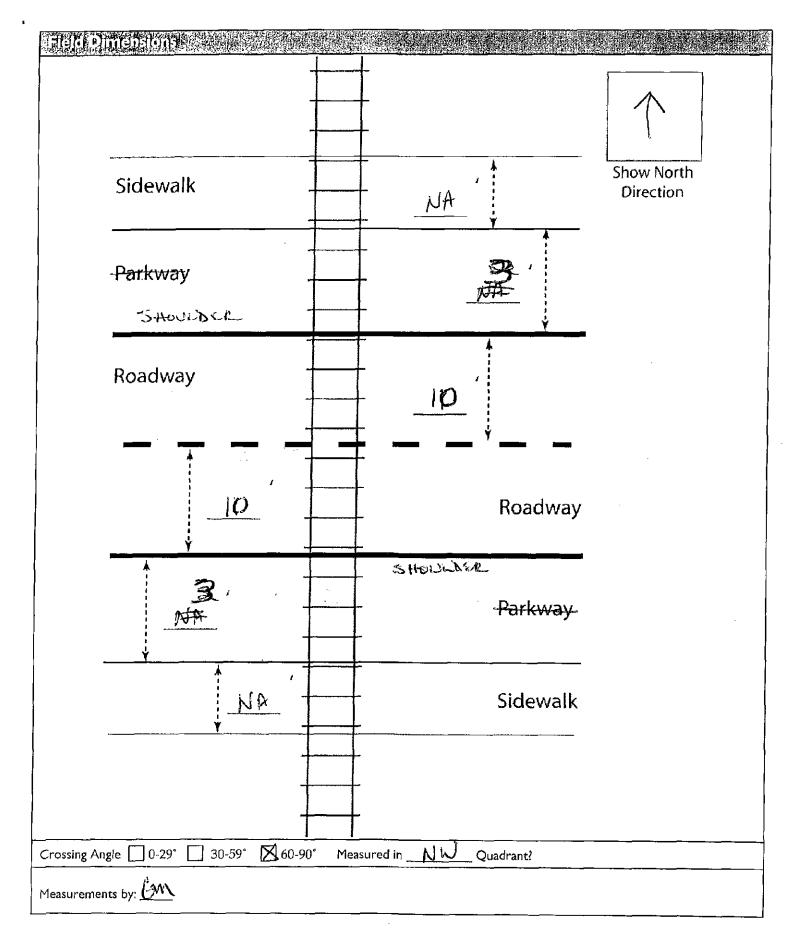




Diagnostic Review Team Survey Recently) Dates Street or Road Name: (0) AAR-DOT Route/Road Number (i.e. 503-124 J (include SLM if State or US route) 18, 97 Twp., Co., SR or US ) City: (In County: ANDOVER ASITA BULA Branch/Line Railroad Railroad Division: Name: YOUNGSTOWN LINE Name: Nearest RR Timetable Station: ANDOVER vicapie namou raymente de la company evenimentenile seinenkelertes Type of Warning Devices Installed? **Quantity/Comments** 2 Advance Warning Signs Yes No 7 Yes W/No 'Stop' Signs 'Stop Ahead' Signs Yes VINO Pavement Markings WNO ] Yes Crossbucks Y Yes □ No 2-[√No Number of Tracks Signs Yes 12-প Yes □ No Inventory Tags Interconnected Highway Traffic Signal TYN0 Yes Mast-Mounted Flashing Lights [♥ Yes ΠNo 2 Cantilever Flashing Lights Yes MO Number: Length: Side Lights ℸⅎ℀℩ ☐ Yes Automatic Gates ☐ Yes WNO Number: Length: Bells ☐ Yes MNO Sidewalk Gate Arms M No Yes 'No Turn' Signs Yes TV No Illumination ☐ Yes No. Is crossing flagged by train crew? Yes V No Other Yes □No

der bestellt alle värt	ass is posible, palor to a sylley).	
	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 7 3 68	
Hazard Ranking	Date Run:	
Railroad Data		
Railroad Characteristics_	Initial Information (from database)	Revised
Total trains per day	21	
< I per day		
Day thru trains	10	
Night thru trains	9	
Daytime switching movements	2	
Nighttime switching movements		
Total number of tracks	1	
Number of main tracks		
Number of other tracks	110	
Maximum train speed	40	
Typical train speed	NO	<u> </u>
Amtrak		
If non-gated crossing, is clearing sight distant	ce adequate in all quadrants? (See Table 1)	▼ Yes  No
If multiple tracks, can two trains occupy cro	ssing at the same time? Tes To	
Can one train block the motorists' view of a	mother train at crossing? 🔲 Yes (Explain be	low) [NOSINGLE MAIN]
	1 1000 000	
If yes, Crossing DOT #(if different) If yes, distance (take mea	roadway within 100 ft of this crossing?	es [V]No
If yes, Crossing DOT #(if different)  If yes, distance (take meaning the control of the c		es [V]No
If yes, Crossing DOT #(if different)  If yes, distance (take meaning the control of the c	surement between track centerlines at closes	es [V]No
If yes, Crossing DOT #(if different)  If yes, distance (take meaning the control of the c		es [V]No
If yes, Crossing DOT #(if different) If yes, distance(take mean  Coadway Data  Local Highway Authority: (Who maintains this roadway?)  Roadway Characteristics	surement between track centerlines at closes  TATE OF OHLU  Initial Information (from database)	es [v] No st point along roadway)
If yes, Crossing DOT #(if different) If yes, distance (take meaning poor of the control of the c	surement between track centerlines at closes TATE OF OHLO	es [v] No st point along roadway)
If yes, Crossing DOT #(if different) If yes, distance (take meaning particular of the property	Surement between track centerlines at closes  TATE OF OHLO  Initial Information (from database)  3502 (2006)  TYES No	res [v] No st point along roadway)  Revised
If yes, Crossing DOT #(if different) If yes, distance (take meaning the part of the part o	Surement between track centerlines at closes  TATE OF OHLD  Initial Information (from database)  3502 (2006)  TYES NO  Concrete Other	Revised
If yes, Crossing DOT #(if different) If yes, distance (take mean of the control o	Surement between track centerlines at closes  TATE OF OHLO  Initial Information (from database)  3502 (2006)  Tyes No  Concrete Other  25 FT (26 PF COUTH	Revised
If yes, Crossing DOT #(if different) If yes, distance (take mean distance)  Local Highway Authority: (Who maintains this roadway?)  Roadway Characteristics  Average daily traffic  Highway paved  Roadway Surface: V Blacktop Gravel Roadway width:	Surement between track centerlines at closes  TATE OF OHLO  Initial Information (from database)  3502 (2006)  TYes No  Concrete Other  28 FT (26 PT 10 TH	Revised
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If yes, Crossing DOT #(if different) If yes, distance (take mean distance)  Local Highway Authority: (Who maintains this roadway?)  Roadway Characteristics  Average daily traffic  Highway paved  Roadway Surface: Blacktop Gravel Gravel  Roadway width: ft. Highway lanes  Urban or Rural?  Vehicle Speed: 55 MPH  School Bus Operation: No Yes  Hazardous Materials Trucks: No	Surement between track centerlines at closes  TATE OF OHLD  Initial Information (from database)  3502 (2006)  Tyes No  Concrete Other  28 FT (26 PT CONTACT  PURM	Revised  SHOULDELS
If yes, Crossing DOT #(if different) If yes, distance (take mean of the property of the proper	Surement between track centerlines at closes  TATE OF OHIO  Initial Information (from database)  3502 (2006)  Tyes No  Concrete Other  25 FT (26 FT with  2  RURAL  Amount	Revised
If yes, Crossing DOT #(if different) If yes, distance (take mean distance)  Local Highway Authority: (Who maintains this roadway?)  Roadway Characteristics  Average daily traffic  Highway paved  Roadway Surface: Blacktop Gravel Gravel  Roadway width: ft. Highway lanes  Urban or Rural?  Vehicle Speed: 55 MPH  School Bus Operation: No Yes  Hazardous Materials Trucks: No	Surement between track centerlines at closes  TATE OF OHLD  Initial Information (from database)  3502 (2006)  Tyes No  Concrete Other  25 FT (26 PT COTTA  2 RURAN  Amount  Yes Amount PROVAN	Revised  SHOULDELS
If yes, Crossing DOT #(if different) If yes, distance (take mean of the proof of th	Surement between track centerlines at closes  TATE OF OHID  Initial Information (from database)  3502 (2006)  TYES NO  Concrete Other  ZE FI (26 PT CENTH  2  RURAN  Amount  Yes Amount PREVAN  es	Revised  SHOULDELS

Quadrant	Quadrant
Curb and Gutter:  Functional (Curb height = 4" or more)	Curb and Gutter: Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
None	
Is sidewalk present? In No Yes  Is there a nearby intersection that could cause queuing over the cr	rossing? MNO Yes
If yes,  Distance	ossing: 140 1es
Is this intersection signalized?  No Yes	
Are the signals currently interconnected with the existing crossing	ng warning devices? 🗹 No 🔲 Yes
Is it the consensus of the Diagnostic Review Team that this is a poi	tential closure project: No Yes
Explain reasons:	STATE ROUTE
	SIME KOVIC
TyperonDave comments.	
Open Space Institutional Location of nearby	schools:
☐ Industrial [1] Commercial	
Residential FARMS	
Visity informations	
Is commercial power available? No Yes	
Utility Provider (Company Name) OHO ENSON	Phone Number
Nearest Available Power Source /// XING	
What other utilities are present?	кпомп
Diagnostic Team Recommendations	
	Quadrants Needed
Install/upgrade active devices	Quadiants integred
Automatic Flashing Lights (AFLS)	
AFLS /Cants	
AFLS / Gates  AFLS / Gates / Cants	
Upgrade circuitry	
Sidelights	
Guardrail Needed	
Install/Replace curb	
Other (define) Comments:	
Сопшена.	
Install/upgrade traffic signal preemption	
☐ No improvements needed	
Other (define)	



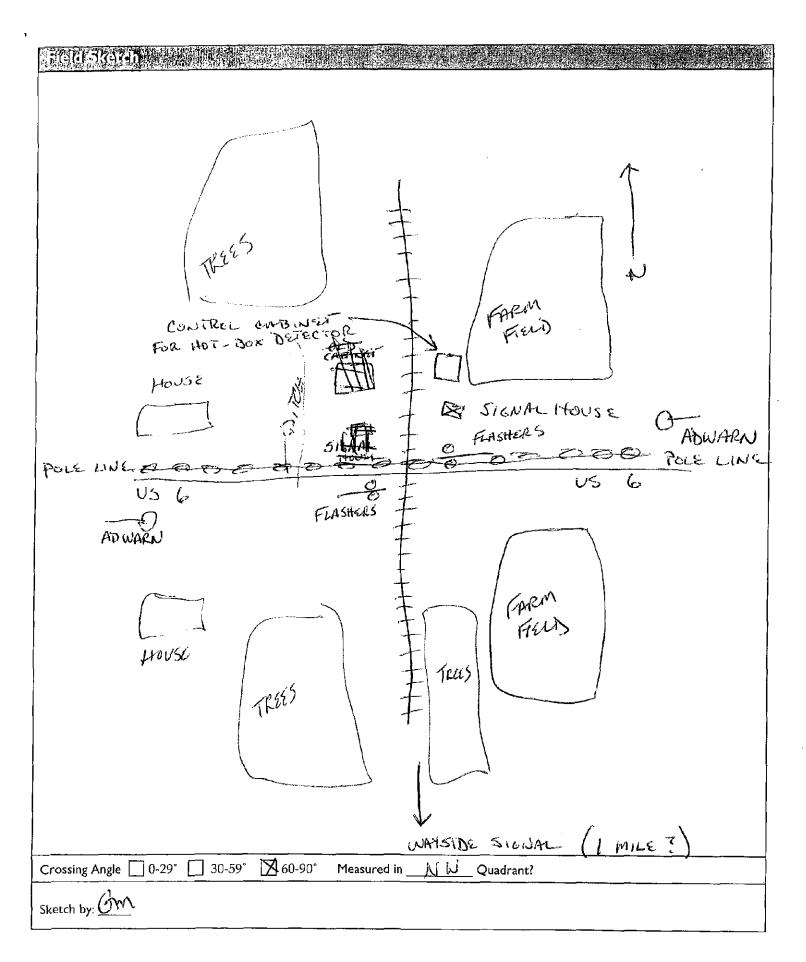


TABLE I

Clearing Sight Distances

Maximum Authorized Train Distance (dT) Along Railroad from Crossing (ft) Speed 1 - 10 

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

#### Notes:

All calculated distances are rounded up to the next higher 5-foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers and level single track 90 degree crossings; and may need to be adjusted for multiple tracks, skewed crossings or approaches on grades.

Clearing Sight Distance is to be measured in each vehicle travel direction at <u>non-gated crossings</u> as viewed from a point 25 feet from centerline of nearest track in the center of whichever travel lane is nearest the direction along track being measured.

Table 2

#### **Stopping Sight Distances**

Highway Vehicle Speed	Distance (dH) Along Roadway from Crossing (ft)
0	n/a
5	50
10	70
15	105
20	135
25	180
30	225
35	280
40	340
45	410
50	490
55	570
60	660
65	760
70	865
<del></del>	

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

#### Notes:

All calculated distances are rounded up to the next higher 5foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers on dry level pavements.

Stopping Sight Distance is to be measured on each roadway approach to crossing from stop bar.



## **Traffic Crash Report**

US 6 503-1245

ASHTABULA

Light Conditions  Primary Daylight  Secondary Unknown	Local Report #         Crash Severity         Private Property           04-0767-04         Injury         N           Reporting Agency         # Units           OHIO STATE HIGHWAY P         2           Day of Week         City Village Township         Name (of City, Village or Township)	Hit/Skip Photos Taken NCIC #  Not Hit/Skip Y OHP04  Unit Error Date and Time of Crash  2 7/3/2008 12:30:00 PM  County # Latitude Longitude
Prefix Contri Location    10006	THU Township Cherry Valley	4 41 36 24.90 80 38 15.14
Ost Reference    W	Prefix Crash Location 0006	Туре Loc
Railway Grade Crossing  On Roadway  Straight Grade  Primary Secondary  Wet Unknown  Dispatch Arrived Cleared Cleared Cleared Cleared Cleared Total Minutes Total Minutes Try3/2008 12:00:00 AM  Try3/2008 12:00:00 AM  Try3/2008 12:00:00 PM  Report Taken By Poffice Agency Report Taken At Scene  Diagram Angle School Bus Related No No Westher Rain Type of Work Zone  Workers Present  Ligat Conditions Unknown  Secondary  Wet Unknown  Wet Unknown  Cleared Cle	Dist Reference DR Prefix Reference	
Date and Time Crash Reported 7/3/2008 12:30:00 AM 7/3/2008 12:35:00 PM 7/3/2008 12:35:00 PM 7/3/2008 12:00:00 AM 7/3/2008 12:35:00 PM 7/3/2008 12:00:00 AM  Report Taken By Report Taken At Scenne  Report Taken At Scenne  Diagram  Manner of Collision or Impact Angle School Bus Related Work Zene Related No No Westher Rain Type of Work Zone Ucation of Crash in Work Zone  Daylight Secondary Unknown		ht Grade Primary Wet
Manner of Collision or Impact Angle School Bus Related Work Zone Related No No Weather Rain Type of Work Zone Workers Present  Light Conditions Primary Daylight Secondary Unknown	Date and Time Crash Reported   Dispatch   Arriv	7/3/2008 1:07:00 PM 7/3/2008 2:10:00 PM 230 325  Badge # * Checked By Date Report Filed *
Type of Work Zone Workers Present  Location of Crash in Work Zone  Light Conditions  Primary Daylight Secondary Unknown	Manner of Collision or Impact Angle  School Bus Related Work Zone Related  No No  Weather	Railroad AFlasher
Primary Daylight Secondary Unknown		U #2
	Primary Daylight	Will Hall State of the Control of th



Front Left (MC Driver)

Apparently Normal

Alcohol Test Status None

**Drug Test Status** 

Condition

None

Not Ejected

Not Trapped

Drug Test Type

Alcohol/Drug Suspected

Trapped

None

None

## **Traffic Crash Report**

er City OVER  V  Intergency Response OWN  Intergency Response  Interg	Owner State OH  Model CRS Speed Detected  Towing Service HART'S TOWING  Most Damaged Area Center Front Contributing Circumstances Failure to Yield  Sequence of Events 2 Ran Off Road Left US DOT	OH Owner Zip 44003 Color Speed Damage Scale Disabling Damage Vehicle Defect First Harmful Event 1 Sequence of Events 3 Ditch ICC MC	1
OVER  V  nergency Response own  n  ng  of Impact er Front  ng Vehicle O/U nderride or Override ence of Events 1 ray Vehicle	Model CRS Speed Detected Towing Service HART'S TOWING Most Damaged Area Center Front Contributing Circumstances Failure to Yield Sequence of Events 2 Ran Off Road Left	Damage Scale Disabling Damage Vehicle Defect  First Harmful Event  Sequence of Events 3 Ditch	VIN  Posted Speed 55  Direction  West  Most Harmful Even 1  Sequence of Event Unknown
OVER  V  nergency Response own  n  ng  of Impact er Front  ng Vehicle O/U nderride or Override ence of Events 1 ray Vehicle	Model CRS Speed Detected  Towing Service HART'S TOWING  Most Damaged Area Center Front Contributing Circumstances Failure to Yield  Sequence of Events 2 Ran Off Road Left	Damage Scale Disabling Damage Vehicle Defect  First Harmful Event  Sequence of Events 3 Ditch	Posted Speed   55   Direction   West     Most Harmful Even   1   Sequence of Events   Unknown
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ray Vehicle	Ran Off Road Left	Ditch	Unknown
ray Vehicle	Ran Off Road Left	Ditch	Unknown
any Phone	US DOT	ICC MC	PUCO
		)	1
	State	Zip	
r LP Year	Trailer LP #	Placard #	# DIA.
	<u> </u>		
Class	Weight (GVWR)	Haz Material Placard Unknown	Haz Material Releas  Not Applicable
e	Last  Evans	Type  Driver	1
, <del></del>	Ob. t.		J
OVER	OH	44003	ן
	Sex	Home Phone #	J Work Phone #
	F	4402934866	T TOTAL TOTAL
	Offense Charged	Injured Taken By	Transported By
		IEMS	TPYMATUNING AM
4510	4511.62	I⊏MΩ	ILLING LOWING AW
-	e DVER	e Last Evans State OH Sex F	Unknown

DRIVER'S DUTIES RELA

Safety Equipment Shoulder Lap/Belt

Alcohol Test Type

Drug Test Result 1

None

None

Deployed Front

Non-Incapacitating

Alcohol Test Result

Drug Test Result 2

Injuries

None

Y195487

Air Bag Switch Not Present

it#	Owner First	Owner Middle	Owner Last	LP State	LP#
			NORFOLK SOUTHERN RAILWAY	NS	2643
	Owner Address	Owner City	Owner State	Owner Zip	Owner Phone #
	425 HOLIDAY DR 300	PITTSBURGH	PA	15220	T
	Year	Make	Model	Color	VIN
	2005	UNK	UNK		
	Insurance Company	In Emergency Response	Speed Detected	Speed	Posted Speed
	SELF INSURED	Unknown	Stated	40	40
	Non-Motorist Location	Action	Towing Service	Damage Scale	Direction
- {	UnKnown	Struck	NONE	None	South
_	Type of Unit	Point of Impact	Most Damaged Area	Vehicle Defect	
[	Train	Right Front	None		
-	Pre-Crash Actions	Striking Vehicle O/U	Contributing Circumstances	First Harmful Event	Most Harmful Event
	Movements Essentially Straight Ahead	Unknown	None	1	1
	Traffic Control	Sequence of Events 1	Sequence of Events 2	Sequence of Events 3	
	Railroad Flashes	Motor Vehicle in Transport	Unknown	Unknown	Unknown
Ī	Company (From Shipping Papers)	Company Phone	US DOT	ICC MC	PUCO
l					<u> </u>
	Address	City	State	Zip	1
	Trailer LP St.	Trailer LP Year	Trailer LP #	Placard #	J # DIA. I
	Cargo Body Type	CDL Class	Weight (GVWR)	Haz Material Placard	Haz Material Release
- [	Not Applicable			Unknown	Not Applicable
:#	First	Middle	Last	Туре	]
	Address	City	State	Zìp	J
[					
_	Date of Birth	Age	Sex	Home Phone #	Work Phone #
	#Error				

First	Middle	Last	Type	$\neg$
Address	City	State	Zip	<b>→</b> ¬
Date of Birth	Age	Sex	Home Phone #	
DL State	DL #	Offense Charged	Injured Taken By	Transported By
Seating Position	Ejection	Offense Description	Air Bag	Citation #
Condition	Trapped	Safety Equipment	Injuries	Air Bag Switch
Alcohol Test Status	Alcohol/Drug Suspected	Alcohol Test Type	Alcohol Test Result	
Drug Test Status	Drug Test Type	Drug Test Result 1	Drug Test Result 2	J <b>-</b> 1
<u> </u>		<u> </u>		

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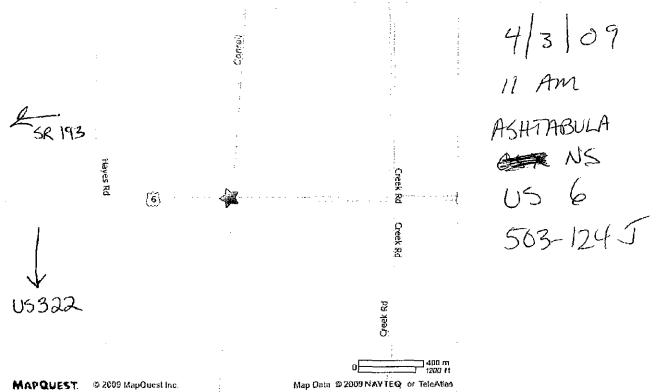
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