

RECEIVED-200KETING DIV

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

2012 MAY -3 AM 10: 15

PUCO

## Memo

To: Docketing Division

From: George Martin, Grade Crossing Planner, Rail Division

Re: In the matter of the authorization of the Wheeling & Lake Prie Railway to install an active grade

crossing warning device in Wyandot County

Date: May 3, 2012

The Ohio Rail Development Commission (ORDC) has authorized funding for the Wheeling & Lake Erie Railway (WE) to install mast mounted flashing lights and roadway gates at CR 35A, near McCutchenville, DOT# 001913V. This crossing was surveyed on December 21, 2011, under the Commission's hazard ranking program and was found to warrant the upgrade.

The project will be paid for with federal funds, and is actual cost. As the plans and estimates have already been submitted and approved, staff requests an Entry with completion of the projects in nine months. Construction may commence at once. Staff requests that the following language be incorporated in the Entry:

It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

Any ancillary work to make the warning devices function as designed and visible to the roadway user, and

MUTCD compliance, including minor roadway work if necessary.

A suggested case coding and heading would be:

PUCO Case No. 12- 1473 -RR-FED In the matter of the authorization of the Wheeling & lake Erie Railway to install an active grade crossing warning device in Wyandot County

C: Legal Department

Please serve the following parties of record

This is to certify that the images appearing are an accurate and complete repredection of a case file document delivered in the regular course of business sechniques.

Date Processed MAY 0.3 287

Ms Susan Kirkland

Ohio Rail Development Commission

1980 West Broad St, 2<sup>nd</sup> Floor

Columbus, Oh 43223

Mr Dan Reinsel

Wheeling & Lake Erie Railway

100 East First St

Brewster, Oh 44613

Mr Mike Kohl

Wyandot County Engineer

350 N Warpole St

Upper Sandusky, Oh 43351

**AEP** 

1 Riverside Plaza

Columbus, Oh 43215

#### OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO: Leah Thomas-Dalton, Deputy Chief, PUCO

FROM: Susan Kirkland, Manager, Safety Section, ORDC

BY: Tod Darfus, Project Manager

SUBJECT: Wyandot County, Wheeling and Lake Erie Railroad

County Road 35-A, AAR # 001 913 V

**DATE:** 05/02/12

The Public Utilities Commission of Ohio (PUCO) established a diagnostic survey at the subject location on 12/21/11. The Ohio Rail Development Commission (ORDC) attended the review. The Diagnostic Team recommended the improvement of warning devices to flashing lights and roadway gates. A copy of the diagnostic review form is attached.

PE has already been provided by the railroad. ORDC approves the site plans and estimates as provided. Please issue a construction-only order for the project outlined above. 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.

It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the <u>railroad will be responsible</u> for this work. This work includes, but is not limited to:

- any ancillary work to make warning devices function as designed and visible to the roadway user, and
- MUTCD compliance including minor roadway work if necessary.

Thank you for your assistance with these matters.

Attachment: Diagnostic Review

Plan & Estimate

c: George Martin, PUCO

ORDC Project Manager (file)



Diagnostic Review Team Survey

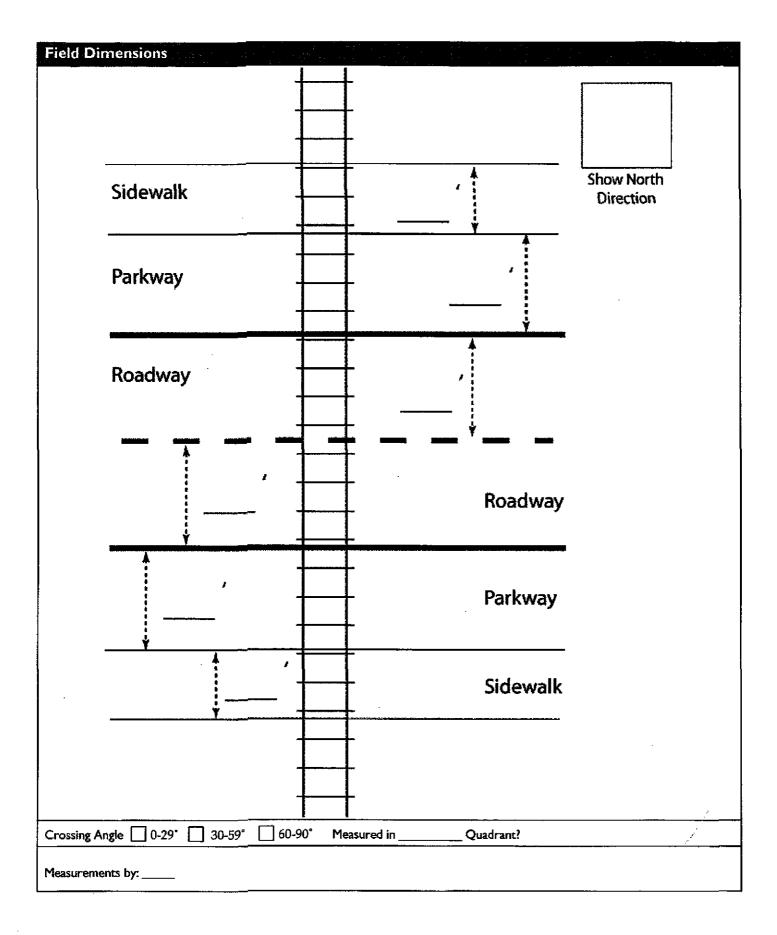
		Date: 12-21-11				
Location Data						
Street or Road Name: CR35A	and the state of t					
Route/Road Number (i.e. Twp., Co., SR or US) CR35A (inclu	US DOT No.: 001913V					
County: Wyandot Township:	City: (In or I	Near) McCutchenville				
Railroad Name: Wheeling & Lake Erie	Wheeling & Lake Enic					
Nearest RR Timetable Station: Sycamore		RR Milepost: 63.48				
On-Site Review Team						
(Include: Name - Organization - Phone Number	– Email)					
1. Joe Reinhardt, ORDC, 614-580-7728,		Tool Ductor				
2. George Martin, PUCO, 614-203-4714,		GERBE MARITA				
3. Dan Reinsel/WLE, 330-495-7859, dre		Dan Reinel				
السلام المسلم	O RAIL 614 466-1	· · · · · · · · · · · · · · · · · · ·				
5. Mike Kohl Wyows	OT COULTY ENGINEER	419-294-2330				
6. Bart Dunison Wrand	led County Deputy Engineer	411.294-2336				
7	and the	1 WARPOLE ST				
WORLD CAN WORK!						
0						
	· · · · · · · · · · · · · · · · · · ·	3/12				
9.	· · · · · · · · · · · · · · · · · · ·					
9.						
9. Existing Traffic Control Device:						
9.  Existing Traffic Control Devices  Type of Warning Devices		Quantity/Comments				
9. Existing Traffic Control Device:	Installed?					
9.  Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)	Instalied?  ☑Yes ☐ No	Quantity/Comments				
9.  Existing Traffic Control Devices  Type of Warning Devices  Advance Warning Signs (condition?)  'Stop' Signs	Installed? Yes No	Quantity/Comments 2 GCCC				
9.  Existing Traffic Control Devices  Type of Warning Devices  Advance Warning Signs (condition?)  'Stop' Signs  'Stop Ahead' Signs	Instalied?  Yes No Yes No Yes No	Quantity/Comments				
9.  Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?)	Installed?  Yes No Yes No Yes No	Quantity/Comments 2 GCCC				
9.  Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?)  Crossbucks	Installed?  Yes No Yes No Yes No Yes No	Quantity/Comments 2 GCCC				
9.  Existing Traffic Control Devices  Type of Warning Devices  Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs  Pavement Markings (condition?)  Crossbucks  Number of Tracks Signs	Installed?   Yes   No   No   No   No   No   No   No   N	Quantity/Comments 2 GCCC				
9.  Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?)  Crossbucks Number of Tracks Signs Inventory Tags	Installed?   Yes   No   No   No   No   Yes   Yes   No   Yes	Quantity/Comments 2 GCCC				
9.  Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?)  Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal	Installed?  Yes No	Quantity/Comments 2 GCCC				
9. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?) 'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?) Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights	Installed?   Yes   No   Yes   No   Yes   Ye	Quantity/Comments 2 GCCO  2- GCCCO  2- GCCCO  2- GCCCO				
9. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?)  Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights	Installed?   Yes   No   Yes   Yes   No   Yes	Quantity/Comments 2 GCCO  2- GCCCO  2- GCCCO  2- GCCCO				
9. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?) 'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?) Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights	Installed?	Quantity/Comments 2 Gccd 2 Gccd 2 U				
P.  Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?) 'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?) Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates	Installed?	Quantity/Comments 2 Gccd 2 Gccd 2 O  Number: Length:				
P. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?) 'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?) Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells	Installed?   Yes	Quantity/Comments 2 Gccd 2 Gccd 2 O  Number: Length:				
P. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?)  'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?)  Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms	Installed?	Quantity/Comments 2 Gccd 2 Gccd 2 O  Number: Length:				
9. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs (condition?) 'Stop' Signs 'Stop Ahead' Signs Pavement Markings (condition?) Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs	Installed?   No   Yes   Yes   No   Yes   Yes   No   Yes	Quantity/Comments 2 Gccd 2 Gccd 2 O  Number: Length:				

Safety Data (Obtain c	rash repo	rts, if possible, prior to review)				
		ial Information (from database)	Revised			
Number & dates of crashes in previous 5 years	1 (2/4/2009					
Hazard Ranking	233	Date Run: 12/5/2011	7.33			
Railroad Data						
Railroad Characteri	stics	Initial Information (from database)	Revised			
Total trains per day		4	Ц			
<   per day		n/a				
Day thru trains		0				
Night thru trains		4	4			
Daytime switching moveme	ents	0				
Nighttime switching mover	nents	0				
Total number of tracks		1				
Number of main tracks		1				
Number of other tracks		0				
Maximum train speed		40 mph	40			
Typical train speed						
Amtrak		l no				
If non-gated crossing, is clearing	ng sight distar	ce adequate in all quadrants? (See Table 1)	ضes □ No			
If multiple tracks, can two trai	ns occupy cre	ossing at the same time? Tes Tho				
Can one train block the moto	rists' view of	another train at crossing? 🔲 Yes (Explain be	elow) []No			
Can one or more tracks be el	iminated thro	ough the crossing? Tes To				
Are there other track(s) cross	sing this same	roadway within 100 ft of this crossing?	Yes No			
If yes, Crossing DOT #(if o	different)					
If yes, distance	(take me	asurement between track centerlines at close	est point along roadway)			
Roadway Data						
Local Highway Authority:		Wyandot County				
Roadway Character	istics	Initial Information (from database)	Revised			
Average daily traffic		162 (2010)	162			
Highway paved		⊠ Yes □ No	Yes No			
Roadway Surface: 🛛 Blackto	p 🔲 Gravel	Concrete Other				
Roadway width: 24 ft.						
Number of highway lanes	• • • • • • • • • • • • • • • • • • • •	2	2			
Urban or Rural		Rural Fural				
Vehicle Speed: 55 MPH	,					
School Bus Operation: No	_	es 5 Amount No hall	uK 1.8			
Hazardous Materials Trucks:	☐ No	Yes 7 Amount				
Shoulders: No Y	'es					
Is the shoulder surfaced?	No 🗆	Yes				
Is there existing guardrail alon	Is there existing guardrail along roadway in crossing vicinity? No Yes					
Is stopping site distance adequate? (See Table 2) See No If no, deficient approach(es)						

Quadrant Curb and Gut	ter:	Quadrant	Curb and Gutter:
Functional (Curb height = 4" or more	)	Functional (	Curb height = 4" or more)
Non-functional (Curb height = Less t	nan 4")	☐ Non-function	onal (Curb height = Less than 4")
None		None	
Pedestrians: No Yes		<b>L</b>	
Is sidewalk present? No Yes			
Is there a nearby intersection that could ca	use queuing over the c	rossing? 🛮 No	☐ Yes
If yes, Distance			
Is this intersection signalized? No	Yes		
Are the signals currently interconnected		ing warning devices	? ☐ No ☐ Yes
Is there a 'Do not Stop on Track' sign?	Yes		
location in the foreseeable future? No	lening, turn lanes, near Yes	by new or upgrade	d traffic signal, sidewalk) planned at or near this
If yes, Improvement type	Lead Agency _		Timeline/completion
Is it the consensus of the Diagnostic Review Explain reasons:	v Team that this is a po	otential closure pro	ject: ☑∕No ☐ Yes
Type of Development			
Open Space Institutional	Location of nearb	y schools:	
Industrial Commercial		•	•
Residential	6-8	miles	
Utility Information			
Is commercial power available? No	Yes		
Utility Provider (Company Name)	EP	Pho	ne Number
Nearest Available Power Source	Cossins		
l	lephone &	Fiber D	public filtren to South
	Yes No	Unknown	~~~
Comments:			
			/
Ē.			
		•	

Potential Red Flags / Project Challenges
Traffic Signal Preemption (include traffic signal intersection name and LHA with jurisdiction over traffic signal, if known):
No
Crossing Consolidation or Closure:
$\mathcal{N}_{\mathcal{O}}$
Real Estate or ROW:
RR 66 33 and way County 60
Culverts / Drainage / Ballast Conditions:
$\mathcal{N}_{o}$
Roadway and/or Sidewalks:
No
Circuitry (e.g. reaches out to other crossings, specific needs, etc.):
A.1.
No Environmental:
Environmentat:
. •
<i>No</i>
Other:

Diagnostic Team Recommendations	
	Quadrants Needed
Install/upgrade active devices	
Automatic Flashing Lights (AFLS)	
AFLS / Cants	
AFLS / Gates	
AFLS / Gates / Cants	
Bells / number	1
Upgrade circuitry / type	
Sidelights	
Guardrail Needed	
☐ Install/Replace curb	
Bungalow placement & offset from rail & highway	ら と
Other (define)	
Comments:	
2 Weld's O Mossing @ Nearl	ov laints due to boad's
☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
Other (define)	
Acknowledgement of Recommendations (each entity represented acknowledgement):	at the diagnostic must have at least one signature
Today I hile	Q.
Caux Math	
Dan Reinsel	



Field Sketch
Include utilities as marked by OUPS and LHA; include ROW boundaries as indicated by railroad and LHA.
Crossing Angle 0-29° 30-59° 60-90° Measured in Quadrant?
Sketch by:

TABLE I

**Clearing Sight Distances** 

Maximum Authorized Train Speed	Distance (dT) Along Railroad from Crossing (ft)
1 - 10	240
15	360
20	480
25	600
30	720
35	840
(40)	( 969/
45	1080
50	1200
55	1320
60	1440
65	1560
70	1680
75	1800
80	1920
85	2040
90	2160

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
(5)	(570)
60	660
65	760
70	865

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 on dry level pavements.

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

WYA CR 35A, 001913V (WLE) • ⊝⊙ <u>}</u>} I Q I T V O V S S O A D A D I 区 B B ran ( PO 6 L O W S 2 (1) 2 10 PM (M)

#### HIGHWAY-RAIL GRADE CROSSING ACCIDENT/INCIDENT REPORT

#### DEPARTMENT OF TRANSPORTATION

FEDERAL RAILROAD ADMINISTRATION (FRA)

OMB Approval No. 2130-0500

Name Of								Alphal	etic Co	de F	R Acciden	t/Incident N	No.
1. Reporting Railroad Wheeling & Lake Erie Rwy Co. [WE ] 1s. WE					1	b. CA090	02						
2. Other Railroad Involved in Train Accident/Incident 2a.					2	b.							
3. Railroad Responsible for Track !	daintenan	ce <b>y</b>	heeling & I	ake E	rie Rwy Co. [WI	E ]		3a. W	E	3	b. CA090	62	
4. U.S. DOT-AAR Grade Crossing	ID No.	001	913V	5. Da	e of Accident/Incide	ent (	02/04/09	6. Time	of Accid	lenVInc	sident 03	:35 PM	
7. Nearest Railroad Station			8. Div	ision			9. County			10	). Slate	Cod	de
SYCAMORE				<u>TEM</u>			WYAI				Abbr.	39 OF	
11. City (if in a city)			12, Hig	hway N	lame or No. COL	NTY	ROAD 3	35		<u> </u>	Public	Private	3
Highway	User Invo	olveđ						oment involve	đ				
13. Type C. Truck-trailer F. Bus	ı	J. Other M	otor Vehicle	Code	17. Equipment 1. Trein <i>(units p</i>	udlina	4. Cer(s)	(moving) (standing)	8. A	Other Train	<i>(spec</i> ) pulling- RC		ode
A. Auto D. Pick-up truck G. Sci				D	2. Train (units p	ushin	g) 6. Light	oco(s) (movi	ng) B.	Train	pushing-R	CL   1	1
	torcycle Trection	M. Other (geograp		Code	3. Train (standi: 18. Position of Car			loco(s) (stand	ling) C.	Train	standing- F	CL J	$\dashv$
1 ' ' ' '			t 4. West	2			reali		1				
16. Position 1. Stalled on crossing	3. Mc	ving over o	rossing	Code	19. Circumstance	1. Ra	ail equipme	nt struck high	vay user	-		Co	ode
2. Stopped on Crossi			<del> </del>	3	COL III A			nt struck by hi		ser		نيل	1_
20a. Was the highway user and/or in the impact transporting haz			KO .	Code	20b. Was there a	nazar	gous maier	iais release p	,			1	ode 4
1. Highway User 2. Rail Ed			4. Neither	4	1. Highwa	ıy Use	er 2. Rail	Equipment	3. Both	4. N	either		
20c. State the name and quantity of	f the haza	rdous mate	rials released,	if any									
21. Temperature 22.	for the state of	(single entry		Cada	l sa Waarbaa Gir								ode
	-			Code   2	23. Weather (sin	-	• •	Fam 6 Class	6 500				1
24. Type of Equipment	Dawn 2.	Day 3. Du			1. Clear 2. Ck		-	rog 5. Sieet	- 1				$\dashv$
1 '' ' '	. Work trai	in 7. Yard/3	A. Spec. MoV Switching	, ≡dnib	25. Track Type U Equipment In		-		Code	26. Tr	ack Numb	er or Name	,
(single entry) 2. Passenger train 5				Code					1				
3. Commuter train 6				1	1. Main 2. Y			4. Industry	1		Y MAIN		
27. FRA Track 28. Number of Class Locomot		29. Numbe Cars	I	sist Sp lecorde	eed (Recorded if av	railabi	(e) Code	31. Time Tai	ole Direc	tion		Ço	ode
3 Units	1			stimate		mpl	h R	1. North 2	. South	3. East	4. West	. 4	4
	Wig wag			10. F	lagged by crew		33. Signa	led Crossing		34. WI	ristle Ban	Co	ode
Crossing 2. Cantilever FLS 5 Warning 3. Standard FLS 6		•			ther (specify)		Warn	ing	1		Yes		
Warning 3. Standard FLS 6 Code(s) 07	Audible	1	9. Watchman	12. N	one		1		1	2.1	No Unknows	1 7	2
35. Location of Warning	\		Code 36. Cro	ossino 1	Warning Interconne	cted	Code	37. Crossir	a Bumi			- Cc	ode
1. Both Sides				_	way Signals				or Speci				
2. Side of Vehicle Approach		:	2 ] 1	Vec 2	. No 3. Unknown		2	1. Yes	2. No	3 Lin	known	2	2
3. Opposite Side of Vehicle Ap 38. Driver's 39. Driver's Code		r Drava Bah	ind or in Front		· ·	. Drlv	nr.		2	0.0.			ode
Age Gender			es Struck by Se					d or thru the g	ale 4.	Stoppe	d on cross		ove.
39 1. Male 1		1. Yes 2. I	lo 3. Unknov	WI	2		• •	then proceed	led 5.	Other	(specify)	1 :	3
42, Driver Passed Standing	Code	43 View c	if Track Obscu	rad hy	(primary obstr		oid not stop						ode
Highway Vehicle		1. Perr	nanent Structu	ire ´	3. Passing Trail	n 5. V	/egetation		r (spe			1	
1. Yes 2. No 3. Unknown	2	2. Star	iding railroad e	equipme	ent 4. Topography	6. F	lighway Vel	nicles 8. Not	Obstruct	ted .			8_
Casualtles to:	Killed	 	44. Driver w	as		C	ode	45. Was Dri	ver in the	e Vehk	de?	Cox	xde
Casualies to:	NIMO	Injured	1. Killed	1 2. inj	ured 3. Uninjured	1	2	1. Yes	2. No				1
46. Highway-Rail Crossing Users			47, Highwa	y Vehic	le Property Damage	<b>.</b>		48. Total Nu	mber of	Highw	ay-Rail Cre	əssing User	rs.
Tu. Highlia) Nail Olosonig Osers	0	1	(est. doi	lar dan	rage)		3,000	(include				1	
49, Railroad Employees	0	0			of People on Train			51. Is a Rail				Coo	de
52, Passengers on Train	0	0	(include	passe	ngers and crew)	3	i	Incident 1. Yes	-	penny r	- IIQU	1	2
53a. Special Study Block	!				53b. Special Stud	v Blo	ck	1					
54. Narrative Description			•		L	<u></u>							
COO OA SWAO THO A SUPE YEAR OF				~ ~~	Dimi Do in ac		FD7 1 400	4 EARD 10 4			<b>70.34E</b>	( n. 4 mm	
680-04 WAS TRAVELING W WAS STRUCK BY THE 680-								4 FURD F-1	ISU FA	iled	TO AIR	מאש חר	
	V T KANGAI		~~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		11 110								
											<del></del>		
55. Typed Name and Title		56. Signatu	ıre								57. Date		



#### **OHIO RAIL DEVELOPMENT COMMISSION**

1980 West Broad Street • Columbus, OH 43223 John R. Kasich, Governor • James G. Bradley, ORDC Chairman

May 2, 2012

Mr. Dan Reinsel Wheeling & Lake Erie Railway 100 East First Street Brewster, OH 44613

RE: Wyandot County, WLE, DOT# 001 913 BV

County Road 35-A

PID 92767

Dear Mr. Reinsel:

The plan and estimate dated 04/15/2012, for the referenced project has been reviewed and is acceptable. Wheeling & Lake Erie Railway (WLE) may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan. This authorization is made with the stipulation and understanding that the 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. Reimbursement of eligible actual cost is limited to \$172,911.61. Additional costs must be approved in writing by the Ohio Rail Development Commission (ORDC) prior to being incurred. Emergency verbal authorizations by ORDC may be permitted and will be confirmed by ORDC in writing within ten (10) business days of the verbal approval.

This authorization is contingent upon WLE accepting the following instructions:

- 1. WLE may proceed with soliciting bids for the proposed grade crossing warning system in accordance with the abbreviated plan. The bid process must be reviewed and bid tabs received prior to construction work being performed relative to the bid.
- 2. WLE's project foreman will furnish written notification five (5) working days prior to the date work will start at the project site to Tod Darfus, ORDC, email <a href="mailto:tod.darfus@dot.state.oh.us">tod.darfus@dot.state.oh.us</a>, and to the Public Utilities Commission of Ohio, email <a href="mailto:George.martin@puc.state.oh.us">George.martin@puc.state.oh.us</a>. WLE's project foreman will also notify the same of any stops and re-starts of the work activity and of the date work was completed for the project.
- 3. WLE will arrange for utilities to be located at the project site by the Ohio Utilities Protection Service (OUPS) prior to any construction activities at the site. Utilities that are not participating members of the service must be contacted directly by WLE.
- 4. WLE's project foremen will notify Tod Darfus of any changes in the scope of work, cost overruns, material changes, etc. which are not included in the approved plan and estimate and secure approval of same before the work is performed.

- 5. WLE will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed Encumbrance Estimate to reference when billing.
- 6. WLE will furnish two (2) copies of the final all-inclusive bill to ORDC stating the exact dates of starting and completing work, the initial and final dates of construction and location where the accounts may be audited.

The Project Manager for this project, Tod Darfus, may be reached at 614-374-9298. Thank you for your assistance with these matters.

Sincerely,

Tod Darfus Project Manager

C: Leah Thomas-Dalton, Rail Division Chief, PUCO George Martin, PUCO, Grade Crossing Planner ORDC (file)



#### OHIO RAIL DEVELOPMENT COMMISSION

1980 West Broad Street • Columbus, OH 43223 John R. Kasich, Governor • James G. Bradley, ORDC Chairman

04/02/12

Mr. Chris Layman, Real Estate Supervisor The Ohio Central Railroad System 47849 Papermill Road Coshocton, OH 43812

RE: DOT # 151 709 J, Guernsey County Phillips Road, PID # 93328

Dear Mr. Layman:

A diagnostic review was held at the above grade crossing on 03/16/12. The crossing has been recommended for the installation of lights and gates.

The Columbus & Ohio Railroad (CUOH) is authorized to proceed with the site plans and cost estimates (PE) for this project. This authorization is made with the stipulation and understanding that any field work needs prior approval before work begins, and the 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.

The ORDC is not requesting that the PUCO issue an Order at this time. When the ORDC receives the PE it will be evaluated and a construction-only Order requested from PUCO. Please submit the PE to ORDC within 90 days of receipt of this letter.

The diagnostic review form is attached. Please note any recommendations (page 3), if any, made by the team with regard to requirements for this location. Any minor roadway work necessary for MUTCD compliance should be incorporated into the PE and such costs will flow through the railroad reimbursement process.

The Project Manager for this project is Tod Darfus. Tod can be reached at (614) 374-9298, or tod.darfus@dot.state.oh.us, if you have any questions.

Sincerely,

Tod Darfus Project Manager

C: Leah Thomas-Dalton, Deputy Chief, PUCO, George Martin, PUCO, Grade Crossing Planner, File

#### WHEELING & LAKE ERIE RAILWAY COMPANY

Dan Reinsel Signal & Communication Supervisor 100 East First Street Brewster, OH 44613

Tel. 330-767-7202

dreinsel@wlerwy.com

Fax: 330-767-3213

15 April 2012

Ohio Rail Development Commission Mr. Tod Darfus 1980 West Broad Street, Room 2B Columbus, OH 43223

Re: Estimate for Railroad Crossing Warning System at Country Road 35, DOT 001-913V

Dear Mr. Darfus,

I am providing this estimate for the crossing package and installation at Fairgrounds Road. Installation will be preformed under our continuing construction agreement with CTC LLC.

CTC Managed Services, Material Package, & Installation	\$38,510.16
Materials	\$104,419.95
Fill Materials	\$1,500.00
Fill Material Transport & Disposal	\$2,700.00
Two Gate Foundations (note 1)	\$918.00
Electric Service	\$3,500.00
Transformer work by electric company	\$600.00
Site Preparation (foundations, bores)	\$16,263.50
WLE Direct Labor	\$4,500.00
Estimated Total	\$172,911.61

Please contact me if additional details are required.

Respectfully,

Dan Reinsel

Notes

1: Direct purchase from Fabricated Metals, 60' galvanized gate foundation, \$459 ea.

**Crosier Industrial Construction** 8938 Peck Road Ravenna, OH 44266

#### Date: 4/9/2012 WLE Project

#### Cost Estimate for CR 35, Wyandot Co.

Labor Estimate		Rate/hr	Est Hours	Totals
Project Manager		\$50.00	60	\$3,000.00
Operator	backhoe, excavator)	\$22.00	60	\$1,320.00
Laborer		\$22.00	60	\$1,320.00
Accounting		\$185.00	1	\$185.00
Administrative		\$30.00	2	\$60.00
	Sub-Total			\$5,885.00
	G&A Burden for Labor	160%	ı	\$ 9,416.00
Equipment Estimate		Rate/hr	Est.Hours	Totals
Case Backhoe		\$ 42.33	20	\$846.60
Excavator Bobcat E32		\$ 31.20	50	\$1,560.00
		*		A

Equipment Estimate	Rate		Est.Hours	Totals	
Case Backhoe	\$	42.33	20	\$846.60	
Excavator Bobcat E32	\$	31.20	50	\$1,560.00	
Directional Drill	\$	59.62	10	\$596.20	
Tamper	\$	4.25	20	\$85.00	
Truck, 4 wd	\$	21.35	60	\$1,281.00	
Traffic control cones	\$	0.13	60	\$7.80	
Traffic control signs	\$	0.23	60	<u>\$13.80</u>	
	Sub-total			\$4,390.40	

Material Estimate	Quantity	Price/ea		Totals
Stone 20 ton/load	10 loads	WLE	WL	.E
Pull Box	1 box	\$295.00		\$295.00
Conduit 4"	125'	\$1.95	\$	243,75
Conduit 2"	200'	\$0.80		\$160.00
PVC 45 degree 4" bend		5 \$11.50	\$	57.50
PVC 4" coup	1	0 \$2.10		\$21.00
PVC 22 degree 4" bend		1 \$16.50	\$	16.50
PVC 90 degree long sweep 4"		2 \$25.20		\$50.40
PVC 2" 45 degree		3 \$1.95		\$5.85
PVC 2" long sweep 90 degree		2 \$17.95	\$	35.90
Glue		1 \$8.20		\$8.20
Ground rods		2 \$16.25		\$32.50
Pull Rope	400'	\$0.13		\$52.00
·	Sub-total			\$978.60
	Subtotal		\$	14,785.00
	Profit Addition 10%		\$	1,478.50
	Total Project Estima	e	\$	16,263.50

Scope o	f Work Estimate:
Day 1	Excavate ditch for 600' on north side of rail to improve drainage. Install AC pole
Day 2	Excavate ditch for 600' on south side of rail to improve drainage
Day 3	Locate, expose and verify all utilities, culverts and fiber optic. Bore road and tracks
	Place 4" and 2" conduits for far gate for track wire and AC
Day 4	Excavate and install near foundation and conduit to pull box location. Excavate and install
	far side conduit to pull box location. Backfill and tamp. Spread and tamp limestone

Day 5 Excavate and install far foundation and conduit. Backfill, tamp and spread gravel. Excavate and install far track wire conduit. Excavate and install AC conduit

Day 6 Spread and tamp limestone. Place pull rope in conduits. Finish grade and clean up site

#### Additional Duties Performed Throughout the Project:

- \* Coordinate delivery of fill material
- \* Transport foundations, conduit, pull box to site
- \* Remove spoils and debris
- \* Supply and erect traffic control devices for work zone safety
- \* Call Ohio Protection Service as required by Ohio law
- \* Establish Railroad Roadway Worker Protection daily to comply with Federal regulation

# Wheeling & Lake Erie Railway Co. Sycamore, Ohio - Wyandot County Road 35 DOT# 001 913V Project Estimate - CT12006

	LIAC	INEER	<b>NG</b> case of the control of the cont	
Description	Qty	UOM	Unit Price	Amount
SIGNAL DESIGNER	40	HR	31.25	\$1,250.00
SIGNAL CHECKER, LEVEL 1	4	HR	36.06	\$144.24
SIGNAL CHECKER, LEVEL 2/FIELD ENGINEER		HR	36.06	\$0.00
SUBTOTAL				\$1,394.24
G&A BURDEN FOR LABOR				\$2,551.46
FIXED FEE				\$394.57
ENGINEERING TOTAL				\$4,340.27

学・大学・大学・大学・大学・大学・大学・大学・PROJECT MANAGEMENT (1997年) 2000年 1997年 19						
Description	Qty	UOM	Unit Price	Amount		
SENIOR SIGNAL ENGINEER	12	HR	\$72.11	\$865.32		
PROJECT MANAGER	24	HR	\$31.25	\$750.00		
CONSTRUCTION MANAGER	40	HR	\$36.06	\$1,442.40		
ACCOUNTING, LEVEL1	16	HR	\$39.81	\$636.96		
ADMINISTRATIVE	4	HR	\$25.48	\$101.92		
SUBTOTAL				\$3,796.60		
G&A BURDEN FOR LABOR				\$6,947.78		
FIXED FEE				\$1,074.44		
PROJECT MANAGEMENT TOTAL				\$11,818.82		

Description	Qty	UOM	Unit Price	Amount
SIGNAL FOREMAN	80	HR	\$28.50	\$2,280.00
SIGNALMAN	80	HR	\$19.50	\$1,560.00
SIGNAL HELPER	80	HR	\$19.00	\$1,520.00
SUBTOTAL				\$5,360.00
G&A BURDEN FOR LABOR				\$9,808.80
FIXED FEE				\$1,516.88
CONSTRUCTION LABOR TOTAL				\$16,685.68

CONSTRU		T T		
Description	Qty	UOM	Unit Price	Amount
EMPLOYEE MEALS (PER DIEM)	24	EA	\$30.00	\$720.00
EMPLOYEE TRAVEL & LODGING	24	EA	\$60.00	\$1,440.00
SUBTOTAL				\$2,160.00
CONSTRUCTION LABOR EXPENSES TOTAL				\$2,160.00

3/28/2012

## Wheeling & Lake Erie Railway Co. Sycamore, Ohio - Wyandot County Road 35 DOT# 001 913V Project Estimate - CT12006

Description	Qty	UOM	Unit Price	Amount
TRUCK, PU, 1 TON CREW CAB	80	HR	\$11.78	\$942.40
TRUCK, BOOM, ART, TELESCOPING	20	HR	\$55.95	\$1,119.00
TRAILER, UTILITY, 4 TIRE, 12,000lbs SC410	80	HR	\$7.55	\$604.00
RENTAL EQUIPMENT (FORK LIFT/BACKHOE/SKYTRAK)	1	wĸ	\$690.00	\$690.00
EQUIPMENT DELIVERY/PICKUP	1	LS	\$150.00	\$150.00
SUBTOTAL				\$3,505.40
CONSTRUCTION EQUIPMENT TOTAL				\$3,505.40

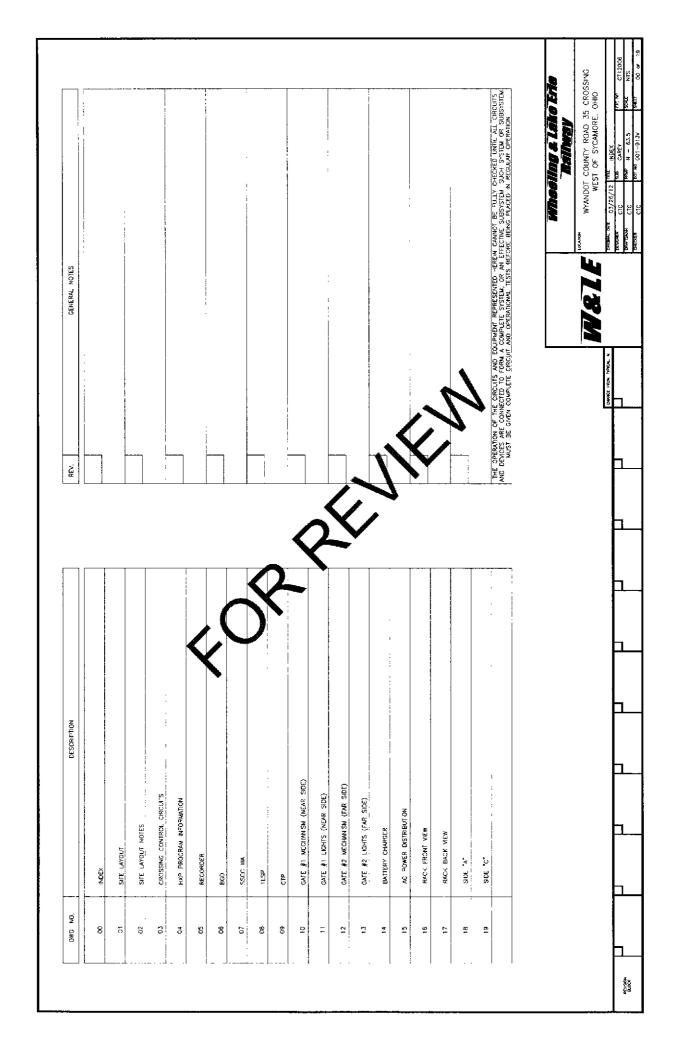
Description	Qty	UOM	Unit Price	Amount
HOUSE MATERIAL (SEE ATTACHED DETAIL)	1	LS		\$53,287.38
FIELD MATERIAL(SEE ATTACHED DETAIL)	1	LS		\$39,132.56
HOUSE AND SIGNAL WIRING	1	LS		\$8,000.00
FILL DIRT		TN	\$7.50	\$0.00
CONCRETE		YD	\$500.00	\$0.00
COVER ROCK		TN	\$26.50	\$0.00
BORING 4"		FT	\$35.00	\$0.00
ELECTRICAL PERMITS		EA	\$3,500.00	\$0.00
METER POLE ASSY AND INSTALLATION		EA	\$2,500.00	\$0.00
FREIGHT & CONTAINER PRICE	1	LS		\$4,000.00
SUBTOTAL				\$104,419.95
MATERIAL TOTAL				\$104,419.95

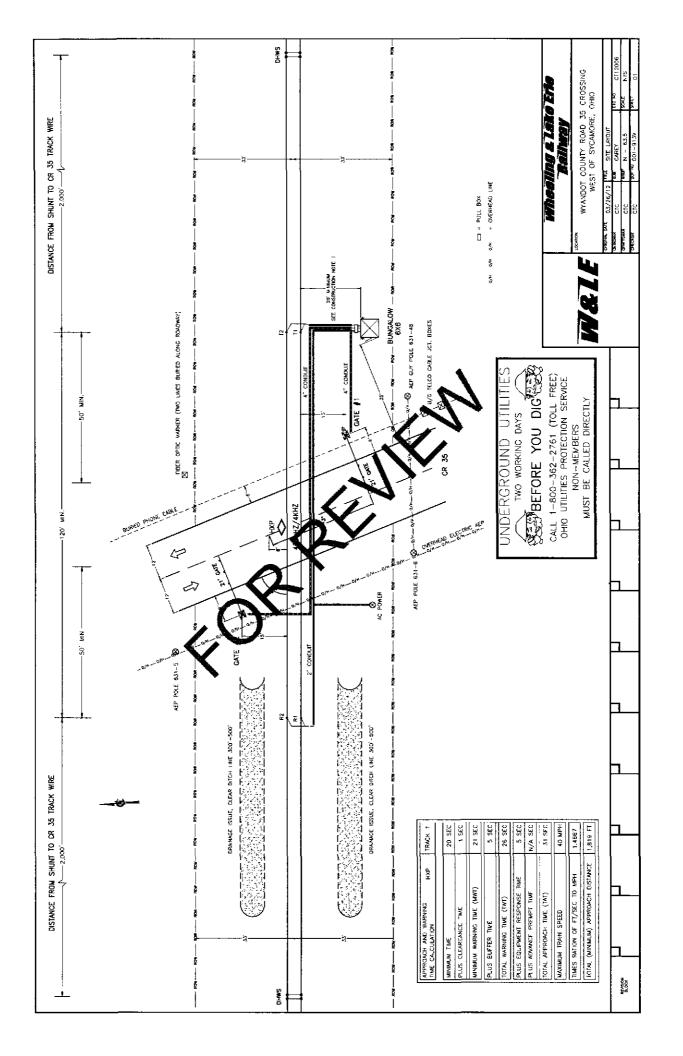
TOTAL PROJECT ESTIMATE	3142980-14
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3/28/2012 2

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Description		UOM	MANUFACTURER PN	Unit Price	Total Price			
HOUSE 6X6 AL WLE W/2-23" RKS	1	EA	PTMW	\$10,700.00	\$10,700.00			
ASSY HXP-3R W/IDK/(2)4KHZ/RSI/RMM	1	EA	250811-2B01	\$20,063.60	\$20,063.60			
ASSY MDSA-1A	1	EA	250204-001C	\$301.43	\$301.43			
CHARGER 40A 12V CRAGG 40ETC12V	2	EA	017061-203	\$673.27	\$1,346.53			
RECTIFIER POWER CORD 14/4 SJE BLK	70	FT		\$1.00	\$70.00			
BATTERY NICAD 250 AH SPL-250	19	EΑ		\$310.00	\$5,890.00			
TRAY BATTERY 12 X 27" POLYETHYLE	4	EA	7438-01	\$32.96	\$131.82			
THERMOSTAT SPDT REMOTE BULB 8A	1	EΑ	009186-004	\$73.94	\$73.94			
RLY DPDT 12VDC 5A OCT	4	EΑ	007192-032	\$13.22	\$52.89			
SCKT RLY 8-PIN OCT SCREW PNLMT	4	EA	132246-001	\$4.48	\$17.91			
ASSY AGA-1 ARRESTOR	16	EΑ	202216-001	\$20.76	\$332.11			
ASSY AGE-1 EQUALIZER	8	EA	202217-000	\$21.75	\$173.98			
POWER OFF LIGHT KIT	1	EA	LC2-005WD	\$116.40	\$116.40			
NUT INSULATED HARMON	20	EΑ	013986-000	\$2.97	\$59.40			
SSCCIII PLUS 40 AMP 19" BASE	1	EΑ	91190-0101	\$5,628.00	\$5,628.00			
PANEL LTG SURGE SSCC 91170-01	1	ĒΑ	201756-015	\$608.75	\$608.75			
MICRO DATA ANALYZER II WLE PK	1	EΑ	072113-100	\$3,450.00	\$3,450.00			
MDA CURRENT SENSOR	2	EΑ		\$220.00	\$440.00			
BATTERY GROUND DETECTOR	1	EΑ	NAS	\$1,250.00	\$1,250.00			
WIRE 16AWG/19 TC EPR/PVC BLU	300	FT	012092-002	\$0.22	\$66.00			
WIRE 10AWG/19 TC EPR/PVC BLU	350	FT	012092-000	\$0.62	\$215.60			
WIRE 6AWG/19THHN BLK	50	FT	012253-000	\$0.79	\$39.60			
WIRE 6AWG/19 THHN RED	50	FT	012253-003	\$0.84	\$41.80			
WIRE 6AWG/19 THHN GRN	30	FΤ	012253-002	\$0.75	\$22.44			
CABLE RAW 3/14AWG PWR 300V	30	FT	012690-010	\$0.77	\$23.10			
RES ADJ WW 15W 5.69 OHM PNLMNT	1	EA	002238-101	\$26.09	\$26.09			
CONN PLUG L6-15 250V 15A 2P3W	2	EA	132286-001	\$11.53	\$23.06			
ASSY 2WAY TERM BLK W/AAR HARD	6	EA	202810-000	\$15.82	\$94.91			
ASSEMBLY, 4 POST TERMINALBLOCK	10	EA	203032-000	\$43.48	\$434.83			
ASSY TERM STRIP DBL POST 12	5	EA	250094-300	\$19.77	\$98.84			
GROUND POST P5-162	4	EA	113047-000	\$25.94	\$103.75			
WRENCH AAR TERMINAL	1	EA	095058-001	\$15.28	\$15.28			
KIT APRVD SM PARTS/SL XING	1	EA	180394-590	\$1,058.90	\$1,058.90			
LABEL, DANGER 240 V, 1.75 X 2.	1	EA	SQS109	\$3.86	\$3.86			
NOTIFICATION SIGN HSE	1	EA	HSE SIGN	\$312.55	\$312.55			

Description	QTY	UOM	MANUFACTURER PN	Unit Price	Total Price
KIT TORQUE WRENCH S/T 070981X	1	EA	2587-01	\$256.38	\$256.38
SO CORD 10/3		FT	200, 01	\$0.90	\$54.00
GATE ARM 16-32' UHI LED LGHTS		EA	076045-014	\$613.73	\$1,227.4
SLEEVE 4 ALUMINUM REC #92958		EA.	14187-01	\$44.33	\$88.66
LED INSERT DIALIGHT FLX4000	Ì	EA	076048-109	\$247.76	\$1,982.1
DECAL, DOT STRIP		EA		\$16.00	\$32.00
BELL ELECTRONIC CROSSING 4/5"		EA	6147-01	\$210.03	\$210.0
ASSY WLE STANDARD FLASHER/GATE W/O ARM, GATE					
ARM LIGHTS, GATE KEEPER		ASSY	CTC	\$13,500.00	\$27,000.00
TAPE MARKER BURIED RR CABLE		EA	029989-000	\$21.43	\$21.4
CABLE UG 3 COND #6 AWG SOLID	150		1013-02	\$4.06	\$608.8
CABLE UG 7 COND #6 AWG SOLID	400	FT	1077-02	\$6.29	\$2,516.80
CABLE UG 7 COND #14 AWG SOLID	400	FT	1023-02	\$2.22	\$888.80
WIRE UG TRK #6 AWG DUPLEX	250	FT	1094-02	\$1.46	\$365.7
PVC CONDUIT 4 IN. SCH 80	40	FT		\$5.50	\$220.00
PVC CEMENT, 1QT W/BRUSH TOP	1	EA		\$7.15	\$7.15
GRINDING WHEEL 6IN X 1IN	4	EA		\$30.00	\$120.00
BOOTLEG KIT/1 PR TRACKWIRE WLE STANDARD	2	EA	HAX001BLXW2-KT	\$42.10	\$84.20
BOND JOINT 5/16" X 7" TAB ERICO #\$B-	300	EA	2161-01	\$5.41	\$1,623.60
WIRE #6 SOFT BARE COPPER	60	FT	1436-01	\$0.40	\$23.70
CARTRIDGE SB25 POWDER W/ATTACHMETAL FOR	300	EA	1026-39	\$1.55	\$465.30
ROD 5/8 X 8 NS GRD***USE-02***	6	EA	1357-01	\$14.72	\$88.3
CONNECTION SBNT1-161G ONE-SHOTFOR 5/8 IN	6	EA	1029-01	\$6.17	\$37.0
CADWELD TYPE GR 5/8GRDX#6WIRE	6	EA	005755-002	\$7.10	\$42.5
BOND STRAND 8-STR 3/16" TINNEDSB\$8TINSUL	100	FT	4133-01	\$1.21	\$121.0
PLATE SHUNT 24"X26"X1/4" GALV.	2	EA	6193-01	\$67.06	\$134.1
SCREW LAG 3/4" X 6" BLACK GRIMLET PO	8	EA	2000-01	\$0.81	\$6.5
TAPE ELECTRICAL 3M #33+ 3/4" PLASTIC	2	RL	1190-01	\$3.62	\$7.2
DUCTSEAL 1LB BLOCK	10	EA		\$3.30	\$33.0
FOAM INSULATING SPRAY	4	EA		\$12.25	\$49.0
STAPLE GROUND WIRE 1-1/16"X3"	50	EA	113005-000	\$0.32	\$15.9
TIE CABLE .184 X 7.31" HIG TEMSELF LOCKI	100	EA	4125-01	\$0.04	\$4.4
LUG RNG 1/4" 12-10AWG INS BLK	100	EA	032114-008	\$0.01	\$1.10
TAG ST-5 SNAPOUT 11 TAGS/CARD MI# 010301	50	EA	2090-01	\$2.28	\$113.8
STAPLE COPPERWELD 3/8 X 1-3/4 144 IN. RO	50	EA	1148-01	\$0.26	\$13.2
GREASE RUST PREVENTIVE NO OXID"A SPECIAL	1	EΑ	1906-01	\$9.83	\$9.8
SLEEVE NICO 3/16"-#6 AWG REDUC#2363-J	20	EA	1145-01	\$0.89	\$17.8
CLIP TRACK WIRE RETAINER - ERICO #SBA	10	EA	1118-01	\$1.97	\$19.6
COMPOUND DUCT SEAL 5 LB PLUG PERMAGUM #	i e	PK	1179-01	\$10.68	\$53.4
LOCK MASTER	6	EA	MLCK	\$28.41	\$170.4
EMERGENCY SIGN SIGNAL	2	EA	SIG SIGN	\$113.65	\$227.30
FIELD TAG KIT	Î	EA	FLDTGKT	\$170.48	\$170.4





# CONSTRUCTION NOTES

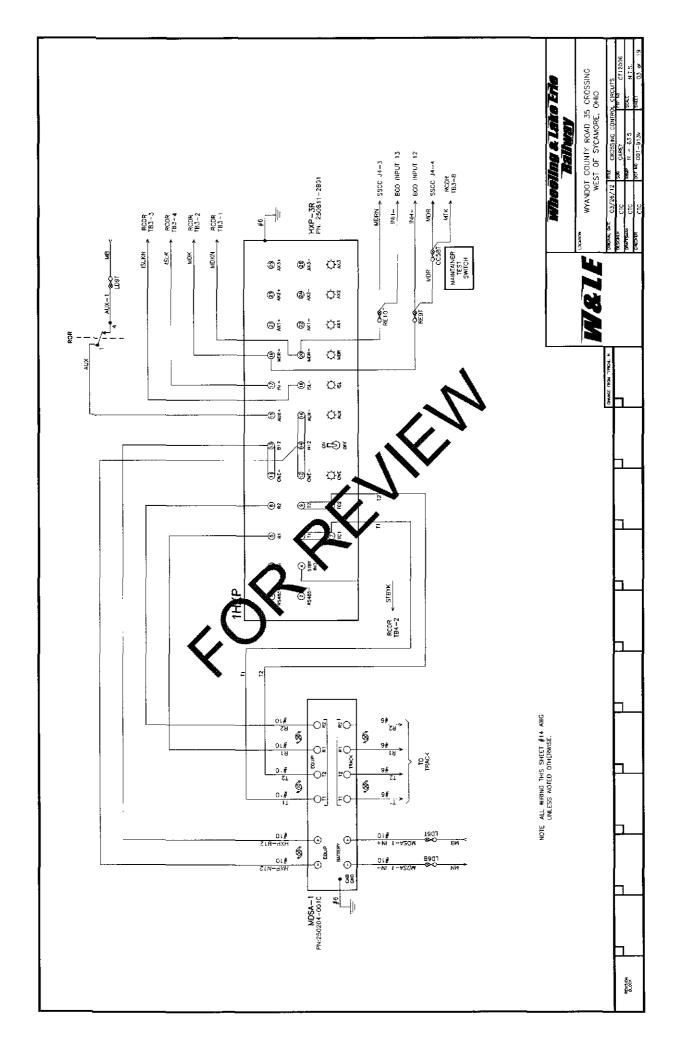
- BUNCALOW TO BE PLACED NEAR EDGE OF RIGHT OF WAY TO REDUCE SIGHT OBSTRUCTION. <u>:</u>
- PLACE CENTER OF GATE FOUNDATIONS MINIMUM OF 9' FROM EDGE OF ROADWAY. 2.)
- 3.) CLEAR DITCH LINES WEST OF CROSSING.
- 4.) WYANDOT COUNTY ROAD CONTACT TEL. 419-294-2330
  - 5.) NEAREST ADDRESS 2363 COUNTY ROAD 35 CORPENIEN
- 6.) INSULATED JOINTS AT EDGE OF ROADWAY REQUIRE WELDING.

WYANDOT COUNTY ROAD 35 CROSSING WEST OF SYCAMORE, OHIO

Wincelling & Lake Life

REVISION BLOCK

SITE LAYOUT NOTES	1.) NEAREST ADDRESS IS 2363 COUNTY ROAD 35 2.) NO OVERLAPPING APPROACHES ON EITHER APPROACH	3.) DUAL HARDWIKE SHUNIS IG BE USED FOR BOTH TERMINATION SHUNTS. 4.) LATITUDE 40.9565162 LONGITUDE -83.2247280				WYANDOT COUNTY ROAD 35 CROSSING WEST OF SYCAMORE, OHIO WEST OF SYCAMORE OHIO WEST OF SYCAMORY WITE  WEST OF SYCAMO	8 70 ACIG-100 213
	- 4			•	EN	<u> </u>	
				Q.	7.		
			R			<u> </u>	
		PHASE # 1 to #8				<u> </u>	-
		SOX SHUNT	IN SERVICE			-	-
	SHUNT RECORDS		INITIAL VALUES WHEN PLACED IN SERVICE			<u> </u>	
		NO SHUNT RX PHASE				<u> </u>	
	HXP	Track 1 Standay Track 2 Normal Track 2 Normal Track 2 Normal Standay APPROACH 2 (WEST)	Trock 1 Stondby Trock 2 Hermal				-
						REVISION BLOCK	



WYANDOT COUNTY ROAD 35 CROSSING WEST OF SYCAMORE, OHIO Wheeling & Lake Erie STANDBY SYSTEM NORMAL/SHCRT APPROACH MASTER/SLAVE (TRACK 1) MASTER SLAVE NORMAL/SHORT NORWAL SYSTEM - N 10 4 10 ¥. AX ADJUSTMENTS NOTE: DL= DEFAULT LEVEL NA= NON APPL CABLE TK-ASN
OF-TK1
OF-TK2
WT
MO-RST
CW/ND STANDBY/AUTO/NORMAL SWITCH
MASTER/SUAVE
RSF FAULT JUMPER
RSI-LOS JUMPER
T.M W. JUMPER
T.M W. JUMPER
T.M W. JUMPER
MINUTE TIMEOUT 8 1) ACTUATOR I SELECTS NORMAL APPROACH WHEN SET TO ON POSITION 2 WITH ACTUATOR I IN OFF POSITION ACTUATOR 2 SELECTS SHORT APPROACH WITH OFF AND SELECTS VERY SHORT WHEN ON 3) ACTUATOR 3 AND 4 RESERVED FOR FUTURE USE TRACK 2 \* = FIELD ADJUSTMENT TO BE MADE ACCORDING TO THE HXP-3 INSTRUCTION MANUAL. 0L (80 SEC.) 0L (16 SEC.) 0L (5 SEC.) TRACK 1 HX2-3R ADJUSTMENTS OPTION ADJUSTMENTS CL (0) (0) 10 (0 430 HZ (01) III (O) (O) 10 (O) (<u>B</u>) PROGRAM INFORMATION ADJUSTMENT NAME APP, LENGTH NOTES FOR S6 AND S7: 0F-TK 1 0R 2
C1-10S
P-10ET
PL-RX
MD-TAR
MN-WT
MN-WT
FS-RX
FS 1K - ENA
1MB - ENA
1 WARRING TIME LIA TC MD RESTART 0 - N N 4 N 2 E S 4.8 21 22 PLOSTON BLOSTON

