Appendix A - Exhibits

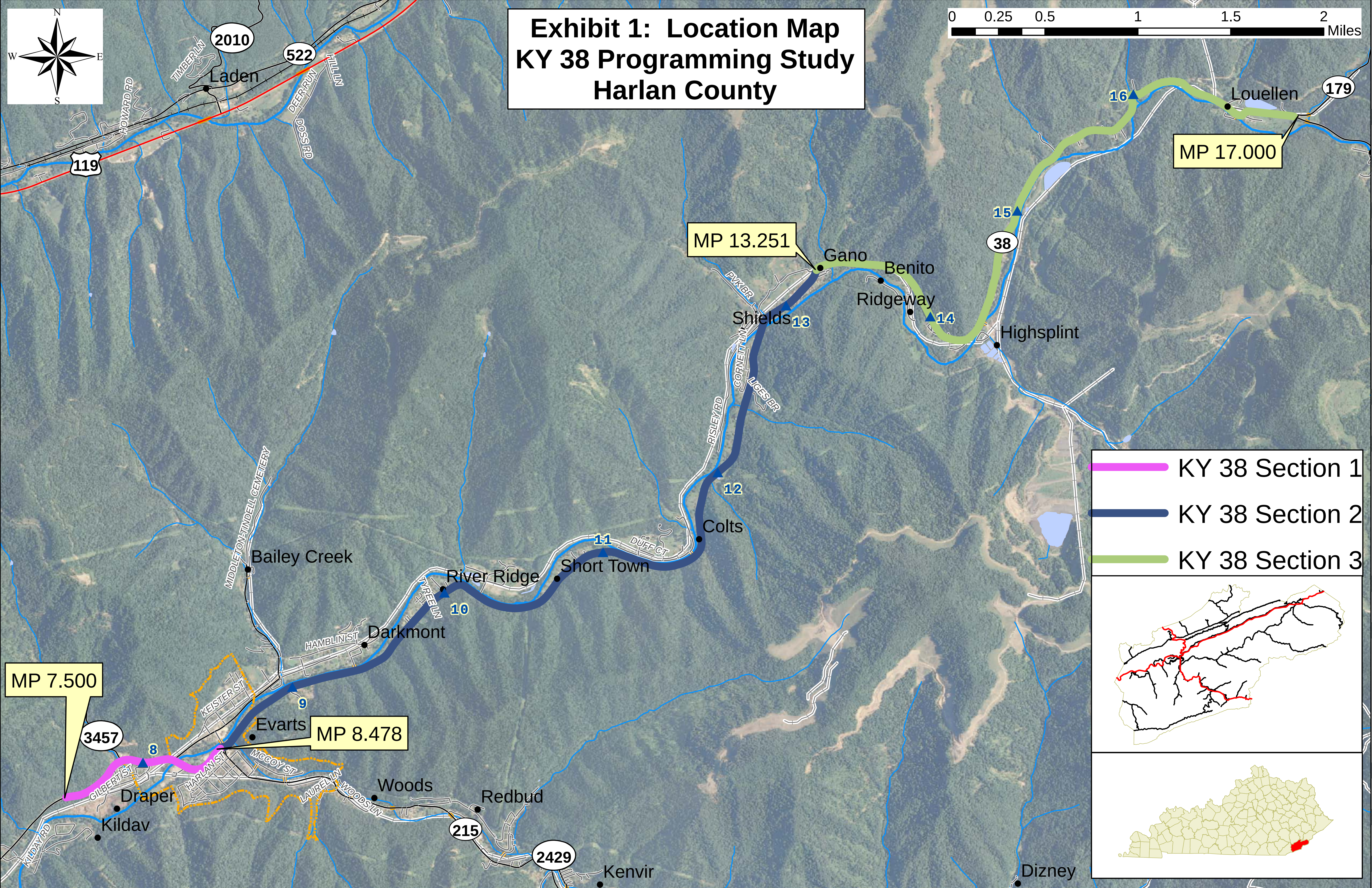
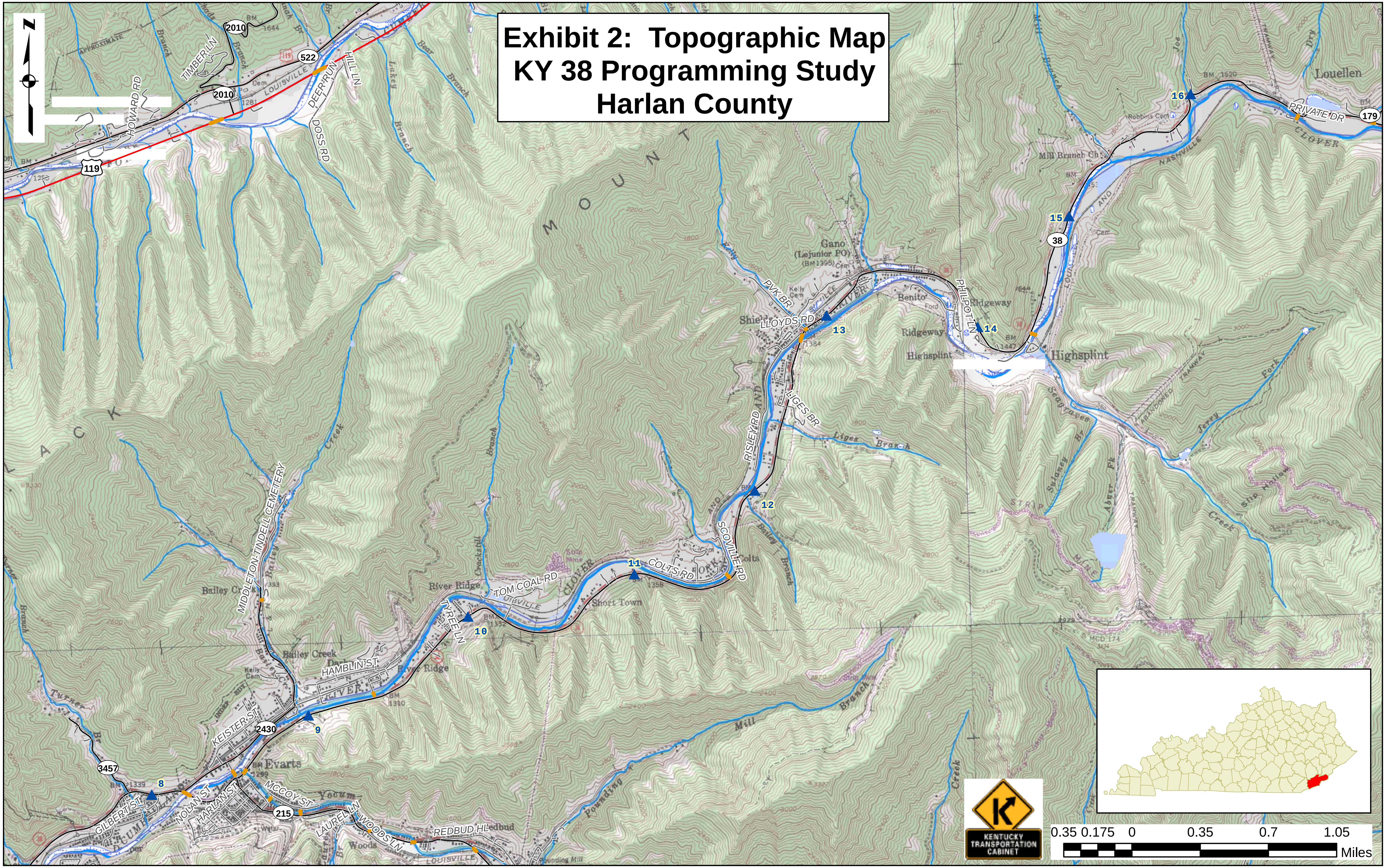


Exhibit 1: Location Map
KY 38 Programming Study
Harlan County
0 0.25 0.5 1 1.5 2
Miles
N
W
E
S
2010
522
119
Laden
TIMBER LN
HOWARD RD
DEER RUN
HILL LN
DOSS RD
MP 17.000
179
Louellen
16
15
38
MP 13.251
Gano
Benito
Ridgeway
14
Highsplint
Shields
13
PVK BR
CORNETT LN
LIGES BR
RISLEY RD
12
Colts
11
DUFF CT
Short Town
River Ridge
TYREE LN
10
Darkmont
HAMBLIN ST
Bailey Creek
MIDDLETON-TINDELL CEMETERY
9
KEISTER ST
Evarts
MP 8.478
MP 7.500
3457
8
GILBERT ST
HARLAN ST
MCCOY ST
LAUREL LN
WOODS LN
Draper
Kildav
KILDAV RD
Woods
Redbud
215
2429
Kenvir
Dizney
KY 38 Section 1
KY 38 Section 2
KY 38 Section 3

Exhibit 2: Topographic Map
KY 38 Programming Study
Harlan County



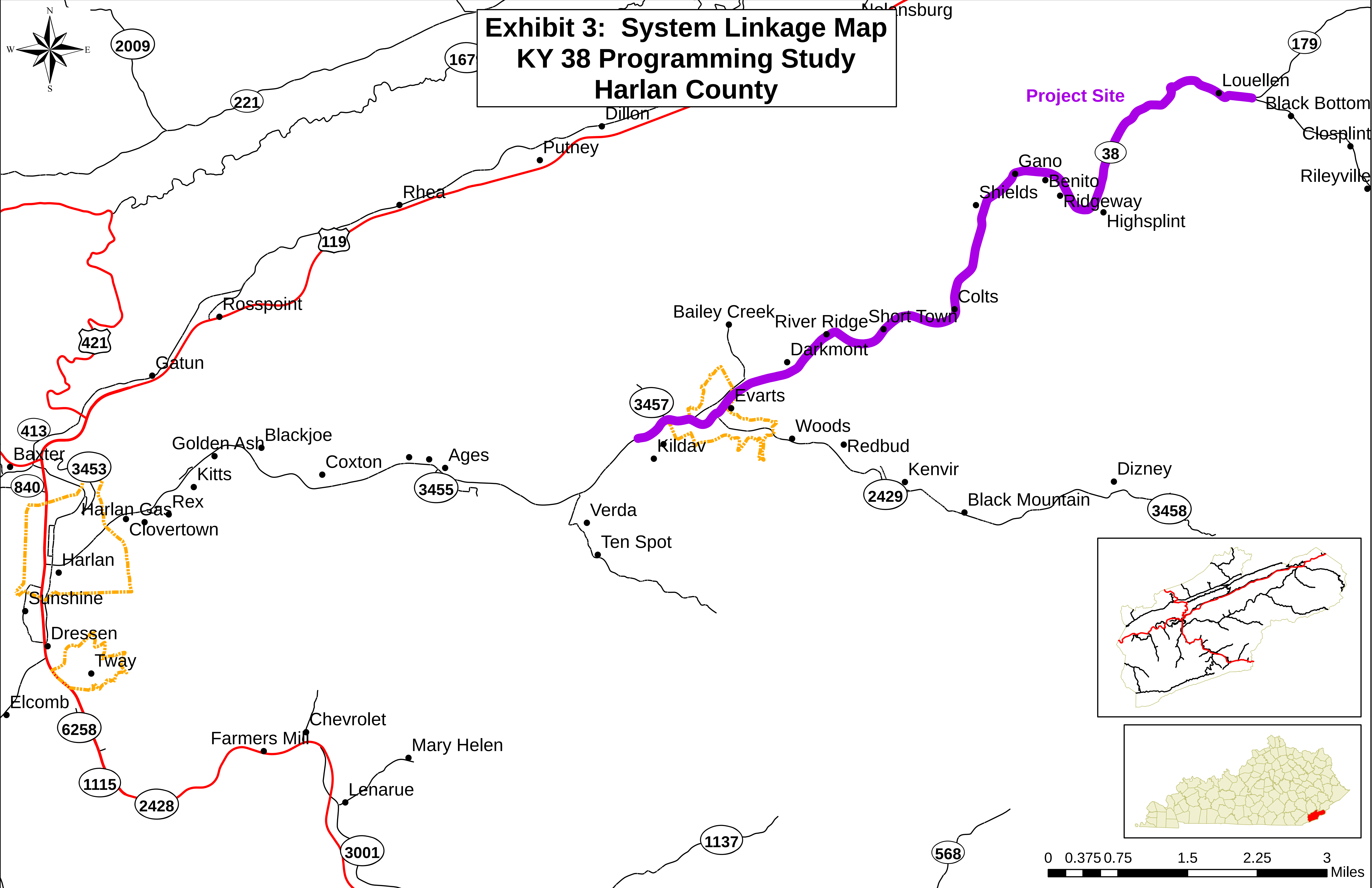


Exhibit 3: System Linkage Map
KY 38 Programming Study
Harlan County

Appendix B – UPL Project Information Form

PIF - Control Number: 11 048 D0038 27.00

General Info

Requestor Name:	
Requestor Title:	
Requested By Date:	9/29/2008
Form Completed By:	Clay McKnight
Title / Organization:	Transportation Planner/CVADD
Form Completed Date:	10/14/2004
District:	11
County:	Harlan
Prefix:	KY
Route No:	38
Route Type:	D
Suffix:	
BMP:	8.500
EMP:	14.500
Length:	6.000

Status:	Active
Mode:	Highways
Type:	Reconstruction
ADD:	CUMBERLAND VALLEY
MPO:	
Urban Area:	Rural
Parent Control No:	11 048 D0038 27.00
RSE Unique No:	048-KY-0038 -000

State System:

BMP	EMP	SPRS
0	29.4740	State Secondary

Functional System:

BMP	EMP	FC
0	29.4740	Rural Major Collector

Existing Studies:	NONE
Purpose Statement:	Address horizontal alignment, safety, and congestion on KY 38 from KY 215 to Benito
Regional Goal:	1. Develop/maintain existing primary systems that provide connections between cities and counties in the CVADD, and focus on building and improving the arterial and collector roads that support them. 2. Improve highway safety at identified locations and/or corridors. 3. Expand and improve, when feasible, urban roadways with congestion issues.
Last Updated By:	lesli.gill
Last Updated Date:	9/23/2010 3:53:59 PM

Highway Network:

Non NHS:	True	NHS:	False	NN:	False	Scenic Way:	False
Coal Haul:	True	Bike:	False	Forest:	False	Strahnet:	False
Ext Weight:	True	ADHS:	False				

ROW

Average Width:

Source:

HIS:	False	Plans:	False	Microfilm:	False
Other:	False				

Current Primary Use:

Industrial:	False	Commercial:	True	Residential:	True	Farmland:	True
Other:	False						

Project may require additional R/W: True

Possible Number of Relocations:

Homes: Businesses:

Comments:

Utilities

Existing Utilities:

Electrical:	True	Gas:	False	Telephone:	True	Cable:	True
Sewer:	True	Water:	True	ITS:	False	None:	False
Other:	False						

Project may require Utility Relocations: True

Comments:

Economic Impact

Planning / Zoning Reg exist in Community: False

Project may affect established Business, Commercial, or Industrial districts: True

Economic impacts on regional / local economy: True

Development:	True	Tax Revenues:	True	Emp Opportunity:	True
Retail Sales:	True	Other:	False		

Comments:	Reconstruction of KY 38 may provide development opportunities in/around the City of Evarts.				
Direct access to major points of interest:	True				
Nat'l / St Parks:	False	Monuments:	False	Amusement Parks:	False
Historic Sites:	False	US Public Land:	False	Other:	True
Comments:	City of Evarts - Municipal offices, services, and buildings, Highsplint Museum and Walking Park, Darkmont Park, Black Mountain Off Road Adventure Park				
Direct access to major traffic generators:	True				
Shopping Centers:	False	Schools:	True	Industries:	False
Military Installations:	False	Other:	True		
Comments:	Evarts Elementary School				

Multimodal

This Project is a Candidate for:

Bicycle Paths:	False	Sidewalks:	False	Shared-Use Paths:	False
Park / Ride Lots:	False	N/A	True		

Project Improves Direct Access to:

Airports:	False	Railways:	False	Riverports:	False
Trucking Routes:	False	N/A	True		

Type of Public Transportation Available:

Fixed Routes: False   Demand Response: True

Comments:

Social Impact

This Project May affect:

Neighborhood / Community Cohesion: True

Travel Patterns (vehicular, commuter, bicycle, pedestrian): True

Household relocations: True

Elderly, disabled, nondrivers, minorities, low-income persons: True

No adverse effects to neighborhoods apparent: False

Comments: Due to the substantial size and scope of project social impacts may occur.

Environmental Impact

Environmental Impact:

Blue Line Streams:	True	Wetlands:	False	Floodplain:	True
Wildlife Managed Areas:	False	Historic Properties:	False	Cemeteries:	False
Schools:	True	Churches:	True	Endangered Species:	False
Public Land / Park:	False	Noise Impact:	True	Arch. Sites:	False

NR Properties: False Potential NR Properties: False

Other:

Potential Contaminated Sites:

Gas Stations: True Landfills: False Auto Repair: True

Junkyards: False

Other:

Comments:

Air Quality

Maintenance or Nonattainment Area: False Ozone: False PM: False

Adds through Lane Capacity: False

Congestion Management Plan: False

Project is included in TIP/STIP: False

Comments:

Cost Estimate

PIF #: 11 048 D0038 27.00

Revision #: 0

BMP: 8.500

EMP: 14.500

Last Updated By: sowjanya.burugupalli

Last Updated Date: 2/25/2010 4:51:20 PM

Estimate Class: Requires Further Study

Per Mile: False

Terrain:

BMP	EMP	Terrain
8.4780	27.5570	Mountainous

Detailed Estimate with Calculations Attached: False

Estimate Assumptions:

Planning:

SCH YEAR	SCH FUND	PLAN YEAR	ITEMNO

Design:

SCH YEAR	SCH FUND	PLAN YEAR	ITEMNO

Right of Way:

SCH YEAR	SCH FUND	PLAN YEAR	ITEMNO

Utilities:

SCH YEAR	SCH FUND	PLAN YEAR	ITEMNO

Construction:

SCH YEAR	SCH FUND	PLAN YEAR	ITEMNO

Original Estimate:

Planning:	$0.00
Design:	$3,000,000.00
Right of Way:	$7,200,000.00
Utilities:	$6,000,000.00
Construction:	$48,000,000.00
Total Cost:	$64,200,000.00

Estimate Procedure Used:

Attachments:

Location Map: False Photograph(s): False Others: Sheet showing Cost Estimate: False

Comments:

Highway ATT

PIF #: 11 048 D0038 27.00

BMP: 8.500

EMP: 14.500

Last Updated By: lesli.gill

Last Updated Date: 7/22/2010 1:13:56 PM

Needs Statement:	This section of KY 38 is a coal haul highway that has a high percentage of trucks on two 10 ft. lanes with 2 to 4 ft. shoulders. Numerous curves are found along this stretch of KY 38 and horizontal alignment is an issue that needs to be addressed. Safety is an issue with the CRF in a majority of the corridor registering at the critical level which contributes to a low safety index.	

Adequacy Rating Range

	From:	To:
Adequacy Rating:	64.40	64.40
CRF:	0.6760	1.64
IRI:		
V/SF:	0.29	0.29
ADT:	2176	3255
% Trucks (Single):	6.70	6.70
% Trucks (Combination):	3.70	3.70
Speed Limit:	35	55

ProjectedADT (HDO)/Year:	Coming Soon	% Growth:	Coming Soon	ProjectedADT:	Coming Soon

Miscellaneous Roadway Conditions

Access Control:

BMP	EMP	Type
0	29.4740	None

Proposed Access Control: None

Lane Width:

BMP	EMP	WIDTH	LANES
8.6960	27.5570	10	2
0	8.6960	11	2

Proposed Lane Width: 0

Proposed Lanes: 0

MedianType:

BMP	EMP	WIDTH	TYPE
0	29.4740		None

Proposed Median Type: None

Proposed Median Width: 0

Shoulders:

BMP	EMP	WIDTH	TYPE	X SECT
8.3370	8.6510	2	Curbed	CR
8.3370	8.6510	2	Curbed	NR
8.6510	27.5570	4	Paved w/ Bituminous Material	CR
8.6510	27.5570	4	Paved w/ Bituminous Material	NR

Proposed Shoulder Type: Paved w/ Bituminous Material

Proposed Shoulder Width: 0

No. of Bridges: 2

Traffic Loop: Coming Soon

Other Improvement Projects in Area:

None: True SYP: False Resurface: False Others: False

Comments:

PIF Status

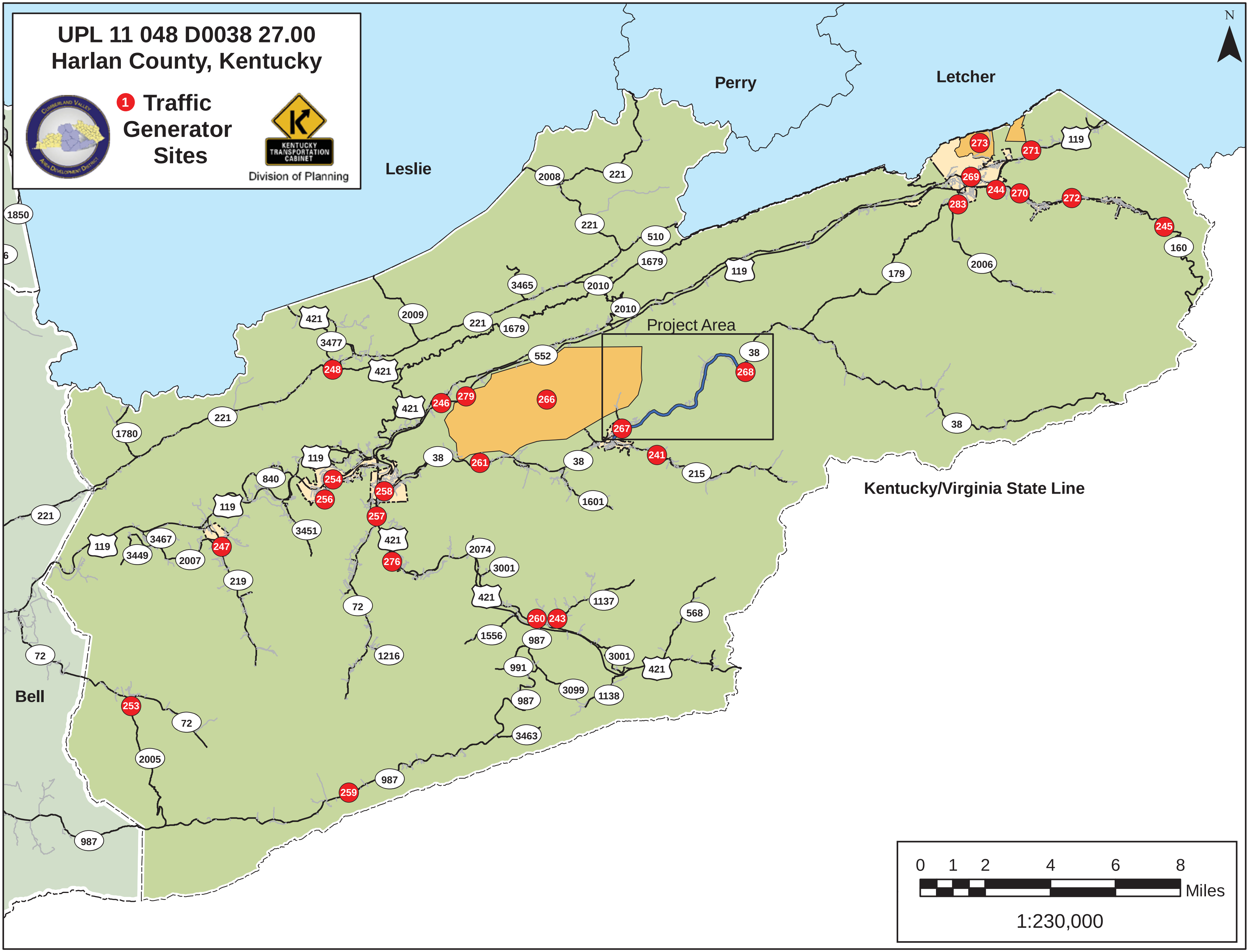
Status History:

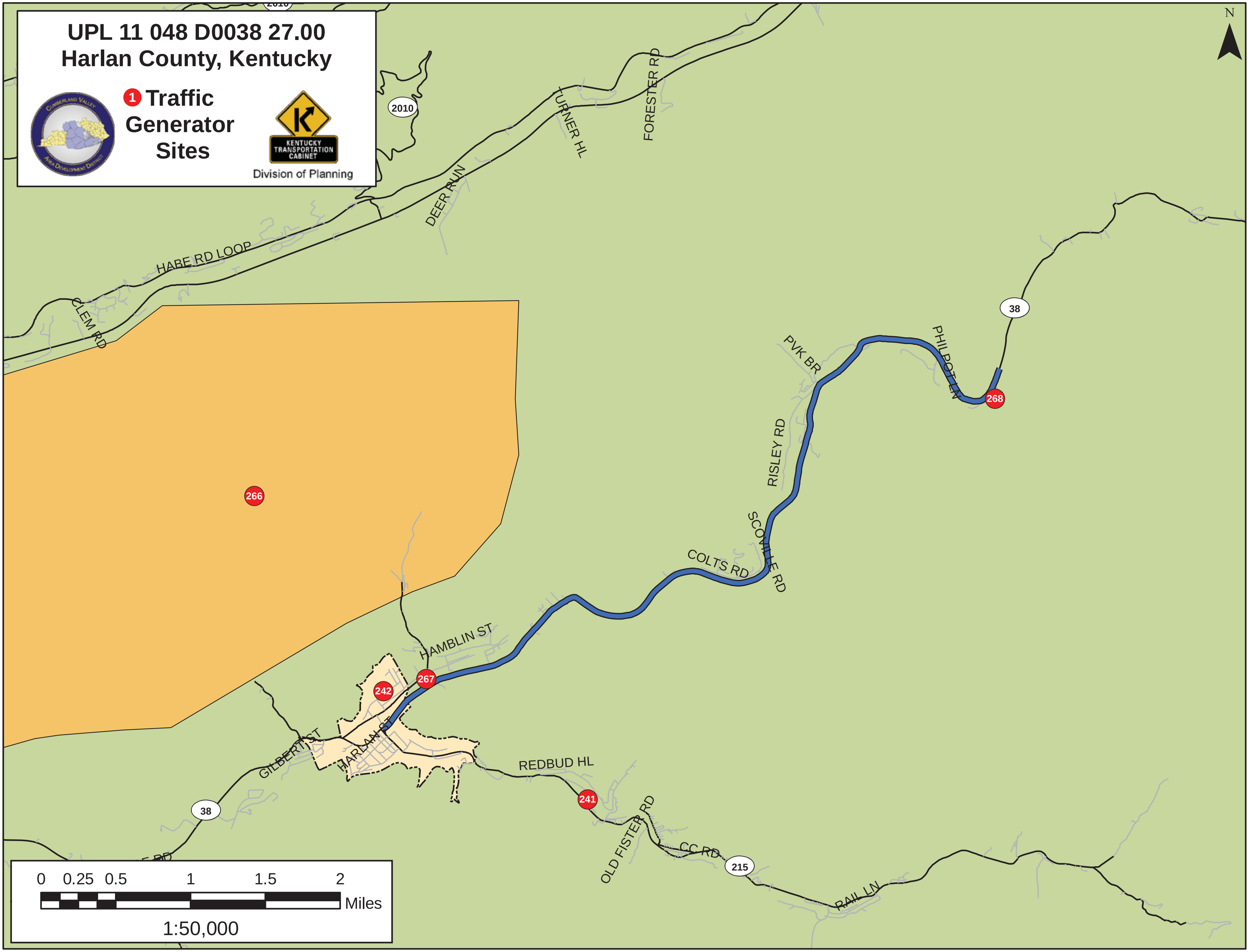
Status Type	Status Updated Date	Status Updated By
Active	2/22/2010 10:48:34 AM	sowjanya.buruugpalli
Active	7/22/2010 1:07:46 PM	lesli.gill
Active	9/23/2010 3:53:59 PM	lesli.gill

Ranking

Rank Type	Year	Priority	Rank	Tier Rank	Overall	Updated By	Updated Date
LOCAL	2001	HIGH	0			sowjanya.burugupalli	3/10/2010 12:53:50 PM
REGIONAL	2001	HIGH	2			sowjanya.burugupalli	3/10/2010 12:54:17 PM
DISTRICT	2001	HIGH	0			sowjanya.burugupalli	3/10/2010 12:55:15 PM
LOCAL	2003	HIGH	0	3		sowjanya.burugupalli	3/10/2010 2:10:17 PM
REGIONAL	2003	HIGH	0	3		sowjanya.burugupalli	3/10/2010 2:26:12 PM
DISTRICT	2003	NONE	0	3		sowjanya.burugupalli	3/10/2010 2:29:01 PM

LOCAL	2005	HIGH	0	sowjanya.burugupalli	4/5/2010 11:21:25 AM
REGIONAL	2005	MEDIUM	0	sowjanya.burugupalli	4/5/2010 11:27:35 AM
DISTRICT	2005	MEDIUM	0	sowjanya.burugupalli	4/5/2010 12:37:55 PM
LOCAL	2007	NONE	12	sowjanya.burugupalli	4/5/2010 1:15:00 PM
REGIONAL	2007	LOW	0	sowjanya.burugupalli	4/5/2010 1:29:02 PM
DISTRICT	2007	MEDIUM	0	sowjanya.burugupalli	4/5/2010 3:53:38 PM
LOCAL	2009	NONE	0	sowjanya.burugupalli	4/5/2010 4:29:45 PM
REGIONAL	2009	NONE	0	sowjanya.burugupalli	4/5/2010 4:30:32 PM
DISTRICT	2009	NONE	0	sowjanya.burugupalli	4/5/2010 4:31:01 PM


UPL 11 048 D0038 27.00
Harlan County, Kentucky
Traffic Generator Sites
KENTUCKY TRANSPORTATION CABINET
Division of Planning
Leslie
Perry
Letcher
Bell
Project Area
Kentucky/Virginia State Line
N
0 1 2 4 6 8
Miles
1:230,000



UPL 11 048 D0038 27.00
Harlan County, Kentucky
1 Traffic Generator Sites
KENTUCKY TRANSPORTATION CABINET
Division of Planning
N
2010
HABE RD LOOP
CLEM RD
DEER RUN
TURNER HL
FORESTER RD
38
PVK BR
PHILPOT LN
268
RISLEY RD
SCOVILLE RD
COLTS RD
266
HAMBLIN ST
267
242
HARLAN ST
GILBERT ST
REDBUD HL
241
OLD FISTER RD
CC RD
215
RAIL LN
0 0.25 0.5 1 1.5 2 Miles
1:50,000

UPL # 11 048 B0038 27.00

Appendix C – Collision Data

MASTER FILE	INVESTIGATING AGENCY	ROADWAY NUMBER	GPS LATITUDE	GPS LONGITUDE	MILEPOINT	COLLISION DATE	COLLISION TIME	MOTOR VEHICLES INVOLVED	KILLED	INJURED	WEATHER	ROADWAY CONDITION	DIRECTIONAL ANALYSIS	MANNER OF COLLISION	ROADWAY CHARACTER	LIGHT CONDITION
70737415	EVARTS POLICE DEPARTMENT	KY0038	36.8614461	-83.2093339	7.505	8/2/2009	0440	1	0	0	RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & HILLCREST	DARK-HWY NOT LIGHTED
70672060	EVARTS POLICE DEPARTMENT	KY0038	36.8626606	-83.2054517	7.743	2/25/2009	1320	2	0	0	CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & GRADE	DAYLIGHT
70841657	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8640986	-83.2038819	7.877	4/16/2010	1656	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	CURVE & GRADE	DAYLIGHT
70837633	EVARTS POLICE DEPARTMENT	KY0038	36.8643254	-83.203314	7.912	4/2/2010	0830	1	0	0	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & HILLCREST	DAYLIGHT
70614506	EVARTS POLICE DEPARTMENT	KY0038	36.8644276	-83.2025732	7.957	10/3/2008	1920	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & HILLCREST	DARK-HWY LIGHTED/ON
70649475	EVARTS POLICE DEPARTMENT	KY0038	36.8647131	-83.2023832	7.975	12/29/2008	1325	2	0	0	CLEAR	DRY	VEHICLE BACKING	BACKING	STRAIGHT & GRADE	DAYLIGHT
70686607	KY STATE POLICE, POST 10	KY0038	36.8641786	-83.2009431	8.012	4/5/2009	1910	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70924567	EVARTS POLICE DEPARTMENT	KY0038	36.8642846	-83.2002216	8.057	11/10/2010	1720	2	0	0	CLOUDY	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & HILLCREST	DUSK
70992317	EVARTS POLICE DEPARTMENT	KY0038	36.8642782	-83.1999319	8.07	1/13/2011	0910	3	0	0	CLOUDY	ICE	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70594864	EVARTS POLICE DEPARTMENT	KY0038	36.8642712	-83.199758	8.124	8/8/2008	1215	2	0	3	CLEAR	DRY	HEAD-ON COLLISION	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70927771	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8642836	-83.1996121	8.131	11/11/2010	1442	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70611706	EVARTS POLICE DEPARTMENT	KY0038	36.8643305	-83.1993483	8.144	9/26/2008	1330	2	0	0	RAINING	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70678046	EVARTS POLICE DEPARTMENT	KY0038	36.8643645	-83.1984951	8.186	2/25/2009	1132	1	0	1	CLEAR	DRY	COLLISION WITH TRAIN	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70692303	EVARTS POLICE DEPARTMENT	KY0038	36.8643272	-83.1982739	8.197	4/9/2009	1330	2	0	1	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70856405	EVARTS POLICE DEPARTMENT	KY0038	36.8640358	-83.1976213	8.239	5/28/2010	2320	2	0	0	CLOUDY	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR TO REAR	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70872355	EVARTS POLICE DEPARTMENT	KY0038	36.8640424	-83.1976211	8.239	6/16/2010	1120	2	0	1	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	CURVE & LEVEL	DAYLIGHT
70872371	EVARTS POLICE DEPARTMENT	KY0038	36.8640358	-83.1976213	8.239	7/5/2010	1600	2	0	0	CLEAR	DRY	VEHICLE BACKING	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70823525	EVARTS POLICE DEPARTMENT	KY0038	36.8637382	-83.1969596	8.281	2/18/2010	1415	2	0	0	CLEAR	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	CURVE & HILLCREST	DAYLIGHT
70850720	EVARTS POLICE DEPARTMENT	KY0038	36.8635783	-83.1962768	8.323	5/13/2010	1430	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	CURVE & LEVEL	DAYLIGHT
70643781	EVARTS POLICE DEPARTMENT	KY0038	36.8639801	-83.1947884	8.419	12/12/2008	1200	2	0	0	RAINING	WET	1 VEHICLE PARKED POSITION (NOT PARKING LOT/DRIVEWAY)	BACKING	STRAIGHT & GRADE	DAYLIGHT
70632891	EVARTS POLICE DEPARTMENT	KY0038	36.8640701	-83.194687	8.427	11/17/2008	1700	2	0	0	CLOUDY	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70795286	EVARTS POLICE DEPARTMENT	KY0038	36.8641479	-83.1946352	8.433	12/24/2009	1420	2	0	0	CLEAR	DRY	1 VEHICLE PARKED POSITION (NOT PARKING LOT/DRIVEWAY)	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70769344	EVARTS POLICE DEPARTMENT	KY0038	36.8644973	-83.1943611	8.462	10/21/2009	1130	2	0	0	CLEAR	DRY	1 VEHICLE PARKED POSITION (NOT PARKING LOT/DRIVEWAY)	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70943374	EVARTS POLICE DEPARTMENT	KY0038	36.8650595	-83.1936747	8.473	11/26/2010	0140	2	0	1	RAINING	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/OFF
70833800	EVARTS POLICE DEPARTMENT	KY0038	36.8652385	-83.1933362	8.544	3/4/2010	2030	1	0	0	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70850718	EVARTS POLICE DEPARTMENT	KY0038	36.8652381	-83.1931786	8.553	5/2/2010	2145	2	0	0	RAINING	WET	OTHER COLLISIONS ON SHOULDER	BACKING	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70643695	EVARTS POLICE DEPARTMENT	KY0038	36.8655295	-83.1926363	8.589	12/12/2008	0731	1	0	0	CLOUDY	ICE	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DAWN
70679860	EVARTS POLICE DEPARTMENT	KY0038	36.8660457	-83.192131	8.633	3/15/2009	0645	1	0	0	FOG WITH RAIN	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70811483	EVARTS POLICE DEPARTMENT	KY0038	36.8667134	-83.1914908	8.69	1/29/2010	2105	1	0	0	SLEET/HAIL	SNOW/SLUSH	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70975204	KY STATE POLICE, POST 10	KY0038	36.8679035	-83.1901895	8.755	3/10/2011	1758	1	0	0	RAINING	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DUSK
70908502	EVARTS POLICE DEPARTMENT	KY0038	36.8645333	-83.1943	8.968	9/25/2010	1220	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	CURVE & LEVEL	DAYLIGHT
70908501	EVARTS POLICE DEPARTMENT	KY0038	36.86403333	-83.19761667	9.186	10/5/2010	1520	2	0	0	CLOUDY	DRY	HEAD-ON COLLISION	HEAD ON	STRAIGHT & GRADE	DAYLIGHT
70740244	KY STATE POLICE, POST 10	KY0038	36.8708112	-83.1809791	9.31	7/31/2009	2340	1	0	0	CLOUDY	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70722933	EVARTS POLICE DEPARTMENT	KY0038	36.8708871	-83.1802133	9.397	6/24/2009	0900	2	0	0	CLEAR	DRY	HEAD-ON COLLISION	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70842586	KY STATE POLICE, POST 10	KY0038	36.8708879	-83.1801	9.403	4/20/2010	1635	2	0	1	RAINING	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70939624	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8713941	-83.1785065	9.498	12/10/2010	1646	2	0	0	CLOUDY	ICE	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DUSK
70919050	KY STATE POLICE, POST 10	KY0038	36.8718807	-83.1774836	9.517	10/30/2010	1620	2	0	0	CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & LEVEL	DAYLIGHT
70903588	EVARTS POLICE DEPARTMENT	KY0038	36.8716519	-83.1779267	9.534	8/6/2010	2330	1	0	1	CLOUDY	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70665459	KY STATE POLICE, POST 10	KY0038	36.8717577	-83.1776651	9.55	2/8/2009	1100	2	0	1	CLEAR	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70850717	EVARTS POLICE DEPARTMENT	KY0038	36.8718459	-83.1774886	9.561	4/9/2010	0951	1	0	1	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70879534	KY STATE POLICE, POST 10	KY0038	36.872019	-83.1772862	9.575	7/25/2010	1230	2	0	0	CLEAR	DRY	HEAD-ON COLLISION	HEAD ON	STRAIGHT & HILLCREST	DAYLIGHT
70874992	KY STATE POLICE, POST 10	KY0038	36.8732948	-83.1759974	9.629	7/8/2010	0800	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DAYLIGHT
70979742	KY STATE POLICE, POST 10	KY0038	36.8759875	-83.1727699	9.909	3/22/2011	1625	1	0	0	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70966069	KY STATE POLICE, POST 10	KY0038	36.87731	-83.1701339	10.081	1/25/2011	0545	2	0	0	CLEAR	WET	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70965543	KY STATE POLICE, POST 10	KY0038	36.8773315	-83.1697769	10.099	2/7/2011	1935	1	0	0	RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70971006	KY STATE POLICE, POST 10	KY0038	36.8773188	-83.1696707	10.104	2/18/2011	1215	1	0	0	RAINING	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70633552	KY STATE POLICE, POST 10	KY0038	36.8773109	-83.1697596	10.145	11/20/2008	0720	2	0	0	CLOUDY	ICE	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & LEVEL	DAWN
70751173	KY STATE POLICE, CVE	KY0038	36.87595	-83.1619333	10.53	9/8/2009	0917	1	0	0	CLOUDY	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70845738	KY STATE POLICE, POST 10	KY0038	36.8764451	-83.1613177	10.56	5/1/2010	1600	1	0	1	CLOUDY	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70814683	KY STATE POLICE, POST 10	KY0038	36.8774507	-83.1604004	10.611	2/7/2010	1540	2	0	2	CLOUDY	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & HILLCREST	DAYLIGHT
70859984	KY STATE POLICE, POST 10	KY0038	36.8780964	-83.1596662	10.655	6/4/2010	0125	2	0	0	RAINING	WET	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	CURVE & GRADE	DARK-HWY NOT LIGHTED
70939772	KY STATE POLICE, POST 10	KY0038	36.8781373	-83.159635	10.657	12/10/2010	2210	1	0	3	CLEAR	ICE	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70922364	KY STATE POLICE, POST 10	KY0038	36.8774414	-83.1603145	10.66	11/6/2010	1945	2	0	0	CLOUDY	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70703720	KY STATE POLICE, POST 10	KY0038	36.8782239	-83.1592923	10.676	5/12/2009	0715	1	0	2	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70703719	KY STATE POLICE, POST 10	KY0038	36.8779739	-83.159685	10.698	5/12/2009	0900	2	0	0	CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70830089	KY STATE POLICE, POST 10	KY0038	36.8792539	-83.1574564	10.913	3/20/2010	0530	1	0	1	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70649122	KY STATE POLICE, POST 10	KY0038	36.8795877	-83.1558418	11.005	12/26/2008	1645	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & HILLCREST	DAYLIGHT
70810366	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8794745	-83.1564406	11.016	1/21/2010	1422	1	0	1	RAINING	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70902028	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8791384	-83.1540993	11.143	9/18/2010	1800	1	0	1	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70678631	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8788443	-83.1524078	11.237	3/12/2009	2000	1	0	1	SNOWING	SNOW/SLUSH	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70979005	KY STATE POLICE, POST 10	KY0038	36.8784166	-83.1510781	11.268	3/14/2011	1400	2	0	2	CLOUDY	WET	HEAD-ON COLLISION	HEAD ON	CURVE & LEVEL	DAYLIGHT
70804689	KY STATE POLICE, POST 10	KY0038	36.8784798	-83.1514177	11.294	1/15/2010	1800	1	0	2	CLOUDY	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70950985	KY STATE POLICE, POST 10	KY0038	36.8792839	-83.1467608	11.501	1/8/2011	1550	1	0	0	CLOUDY	SNOW/SLUSH	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70737031	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8788471	-83.1473867	11.512	7/4/2009	2330	1	0	0	RAINING	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70660153	KY STATE POLICE, POST 10	KY0038	36.8791287	-83.1469054	11.523	1/17/2009	1930	1	0	0	RAINING	ICE	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70884429	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8790341	-83.1470444	11.53	8/4/2010	1850	2	0	0	RAINING	WET	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	CURVE & GRADE	DAYLIGHT
70597548	KY STATE POLICE, POST 10	KY0038	36.8816849	-83.1465723	11.74	8/9/2008	1420	1	0	1	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70885348	KY STATE POLICE, POST 10	KY0038	36.8825327	-83.1463935	11.799	8/10/2010	1900	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70785586	KY STATE POLICE, POST 10	KY0038	36.8837998	-83.1460621	11.841	11/14/2009	0600	1	0	1	CLEAR	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAWN
70922193	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8843992	-83.1458942	11.928	11/3/2010	1737	1	0	0	RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & GRADE	DAYLIGHT
70865403	KY STATE POLICE, POST 10	KY0038	36.8849799	-83.1452136	11.929	6/16/2010	1120	1	0	1	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70740497	KY STATE POLICE, POST 10	KY0038	36.8851549	-83.145152	11.942	8/10/2009	1600	1	0	0	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70643941	KY STATE POLICE, POST 10	KY0038	36.8858534	-83.1438538	12.008	12/11/2008	1725	1	0	0	RAINING	WET	OTHER ROADWAY OR MID-BLOCK COLLISION	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70948177	KY STATE POLICE, POST 10	KY0038	36.8870631	-83.1427974	12.106	12/30/2010	1245	1	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70674938	KY STATE POLICE, POST 10	KY0038	36.8905796	-83.1418899	12.391	2/28/2009	1848	1	0	0	RAINING	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70719590	KY STATE POLICE, POST 10	KY0038	36.8918009	-83.1411913	12.437	6/5/2009	1600	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	OPPOSING LEFT TURN	STRAIGHT & LEVEL	DAYLIGHT
70993127	KY STATE POLICE, POST 10	KY0038	36.8938379	-83.1408076	12.62	4/26/2011	1615	2	0	4	RAINING	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70814040	KY STATE POLICE, POST 10	KY0038	36.8938575	-83.1408032	12.621	2/2/2010	0820	3	0	1	CLEAR	SNOW/SLUSH	HEAD-ON COLLISION	HEAD ON	CURVE & LEVEL	DAYLIGHT
70722042	KY STATE POLICE, POST 10	KY0038	36.8947392	-83.1407177	12.726	6/18/2009	1400	1	0	0	SEVERE CROSSWINDS	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70633553	KY STATE POLICE, POST 10	KY0038	36.8968555	-83.1398109	12.878	11/20/2008	0750	1	0	1	CLOUDY	ICE	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70798967	KY STATE POLICE, POST 10	KY0038	36.8978571	-83.138592	12.931	1/4/2010	1130	1	0	0	BLOWING SAND/SOIL/DIRT/SNOW	ICE	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70895635	KY STATE POLICE, POST 10	KY0038	36.8975927	-83.1390527	12.945	9/6/2010	1940	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DUSK
70583546	KY STATE POLICE, POST 10	KY0038	36.8985851	-83.1370842	13.027	6/18/2008	0631	2	0	0	CLOUDY	DRY	COLLISION WITH NON-FIXED OBJECT	HEAD ON	CURVE & GRADE	DARK-HWY NOT LIGHTED
70682870	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.8993268	-83.1361664	13.143	3/16/2009	1820	2	0	2	FOG WITH RAIN	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70842570	KY STATE POLICE, POST 10	KY0038	36.9008495	-83.1345239	13.281	4/6/2010	1910	2	0	0	CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & LEVEL	DAYLIGHT
70997860	KY STATE POLICE, POST 10	KY0038	36.9015676	-83.1314475	13.417	4/13/2011	0900	1	0	1	CLEAR	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70734395	KY STATE POLICE, POST 10	KY0038	36.9013786	-83.1295708	13.516	7/31/2009	1630	1	0	0	CLEAR	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & HILLCREST	DAYLIGHT
70675844	KY STATE POLICE, POST 10	KY0038	36.9012388	-83.1285341	13.617	3/4/2009	1700	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70807468	KY STATE POLICE, POST 10	KY0038	36.8998522	-83.1251938	13.841	1/21/2010	2330	1	0	0	RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70961712	KY STATE POLICE, POST 10	KY0038	36.8988069	-83.1244827	13.876	1/7/2011	2138	1	0	0	SNOWING	SNOW/SLUSH	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & GRADE	DARK-HWY NOT LIGHTED
70989328	KY STATE POLICE, POST 10	KY0038	36.8952481	-83.1208802	14.208	4/16/2011	1146	2	0	0	CLOUDY	OTHER	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	CURVE & GRADE	DAYLIGHT
70689481	KY STATE POLICE, POST 10	KY0038	36.8952722	-83.120642	14.22	4/13/2009	0630	1	0	1	CLOUDY	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & GRADE	DAWN
70586813	KY STATE POLICE, POST 10	KY0038	36.8953717	-83.1199225	14.304	7/11/2008	1630	2	0	0	CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & LEVEL	DAYLIGHT
70856619	KY STATE POLICE, POST 10	KY0038	36.8965833	-83.1186984	14.345	5/28/2010	0020	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & GRADE	DARK-HWY NOT LIGHTED
70849727	KY STATE POLICE, POST 10	KY0038	36.8960564	-83.1190209	14.36	5/10/2010	1730	2	0	0	CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70759109	KY STATE POLICE, POST 10	KY0038	36.8988057	-83.1175845	14.531	9/4/2009	1542	1	0	0	CLOUDY	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70911655	KY STATE POLICE, POST 10	KY0038	36.9036929	-83.1155896	14.926	10/13/2010	0840	1	0	0	CLOUDY	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70777909	KY STATE POLICE, POST 10	KY0038	36.9049591	-83.1148899	15.019	11/15/2009	1210	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & HILLCREST	DAYLIGHT
70790573	KY STATE POLICE, POST 10	KY0038	36.9093167	-83.1110833	15.397	12/9/2009	0600	1	1	0	RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/OFF
70989330	KY STATE POLICE, POST 10	KY0038	36.9106279	-83.1093845	15.48	4/16/2011	1755	1	0	1	RAINING	WET	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DUSK
70660687	KY STATE POLICE, POST 10	KY0038	36.9112739	-83.1060304	15.738	1/22/2009	1550	1	0	1	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DAYLIGHT
70761602	KY STATE POLICE, POST 10	KY0038	36.9112817	-83.1051667	15.744	10/7/2009	1630	2	0	0	CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & LEVEL	DAYLIGHT
70592170	KY STATE POLICE, POST 10	KY0038	36.9112831	-83.1059061	15.745	7/28/2008	1100	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & HILLCREST	DAYLIGHT
70678637	KY STATE POLICE, POST 10	KY0038	36.9113551	-83.1049954	15.755	2/8/2009	2026	2	0	0	CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70704923	KY STATE POLICE, POST 10	KY0038	36.9121017	-83.1040276	15.834	5/16/2009	0100	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70861212	KY STATE POLICE, POST 10	KY0038	0	0	15.861	6/9/2010	0900	1	0	0						
70642350	HARLAN COUNTY SHERIFF DEPT.	KY0038	36.9144788	-83.1013631	16.157	9/18/2008	2246	1	0	1	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70668797	KY STATE POLICE, POST 10	KY0038	36.9148401	-83.0985166	16.281	2/16/2009	1545	1	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	SINGLE VEHICLE	STRAIGHT & GRADE	DAYLIGHT
70702333	KY STATE POLICE, POST 10	KY0038	36.91316	-83.0947823	16.497	5/12/2009	1820	2	0	2	CLOUDY	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70645745	KY STATE POLICE, POST 10	KY0038	36.9142	-83.10215	16.607	12/13/2008	0845	1	0	1	RAINING	ICE	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & HILLCREST	DAYLIGHT
70623247	KY STATE POLICE, POST 10	KY0038	36.9124448	-83.0922249	16.726	10/20/2008	2205	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY LIGHTED/OFF
70587616	KY STATE POLICE, POST 10	KY0038	36.912459	-83.0921582	16.73	7/16/2008	2345	1	0	1	CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70948453	KY STATE POLICE, POST 10	KY0038	36.9121897	-83.092604	16.743	1/3/2011	2130	1	0	0	CLEAR	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED

Appendix D – KYTC Common Geometric Practice Guidelines

COMMON GEOMETRIC PRACTICES
RURAL COLLECTOR ROADS

	TERRIAN	TRAFFIC VOLUME UNDER 400 A.D.T.	400-2000 A.D.T.	OVER 2000 A.D.T.
MINIMUM DESIGN SPEED (M.P.H.) 7	LEVEL	40	50	60
	ROLLING	30	40	50
	MOUNTAIN	20	30	40

	DESIGN SPEED	UNDER 400 A.D.T.	400-1500 A.D.T.	1500-2000 A.D.T.	OVER 2000 A.D.T.
PAVEMENT WIDTH (FEET) 1 8	20 MPH	20 9	20	22	24
	25 MPH				
	30 MPH				
	35 MPH		22		
	40 MPH				
	45 MPH	20			
	50 MPH				
	55 MPH	22		24	
	60 MPH				
MINIMUM GRADED SHOULDER WIDTH (FEET) 6	ALL SPEEDS	2	5 10	6	8
MIN. CLEAR ROADWAY WIDTH OF NEW AND RECONSTRUCTED BRIDGES	ALL SPEEDS	APPROACH ROADWAY WIDTH			

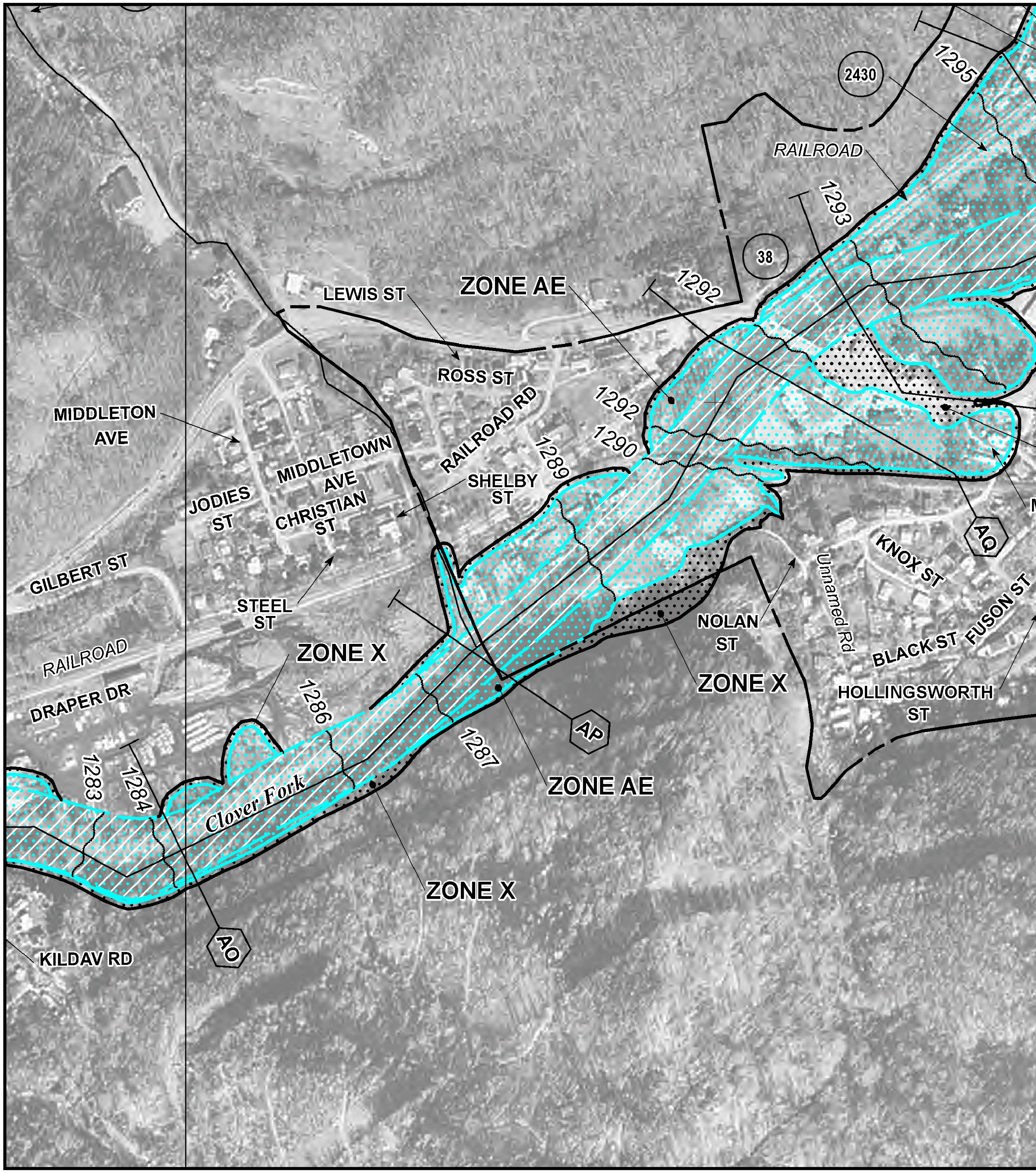
	DESIGN SPEED	eMAX. 4%	eMAX. 6%	eMAX. 8%
MINIMUM RADIUS (FEET)	20 MPH	125	115	105
	25 MPH	205	185	170
	30 MPH	300	275	250
	35 MPH	420	380	350
	40 MPH	565	510	465
	45 MPH	730	660	600
	50 MPH	930	835	760
	55 MPH	1190	1065	965
	60 MPH	1505	1340	1205

NORMAL PAVEMENT CROSS SLOPES 4	RATE OF CROSS SLOPE = 2%	
NORMAL SHOULDER CROSS SLOPES	EARTH = 8%	PAVED = 4%

	M.P.H.	20	25	30	35	40	45	50	55	60
MAXIMUM GRADE (PERCENT) 5	LEVEL	7						6		5
	ROLLING	10		9		8		7		6
	MOUNTAIN	12	11	10				9		8
MINIMUM STOPPING SIGHT DISTANCE 2	(FEET)	115	155	200	250	305	360	425	495	570
MINIMUM PASSING SIGHT DISTANCE 3	(FEET)	710	900	1090	1280	1470	1625	1835	1985	2135

1. WIDEN PAVEMENT ON CURVES IN ACCORDANCE WITH APPROVED DESIGN STANDARDS. REFER TO CURRENT STANDARD DRAWING FOR ADDITIONAL DETAIL.
2. MINIMUM STOPPING SIGHT DISTANCE BASED ON HEIGHT OF EYE OF 3.5 FT AND HEIGHT OF OBJECT OF 2.0FT. CONSIDER BOTH HORIZONTAL AND VERTICAL ALIGNMENTS.
3. MINIMUM PASSING SIGHT DISTANCES BASED ON HEIGHT OF EYE 3.5 FT AND HEIGHT OF OBJECT OF 3.5 FT. CONSIDER BOTH HORIZONTAL AND VERTICAL ALIGNMENTS.
4. NORMAL PAVEMENT CROSS SLOPES ON BRIDGES IS 2%.
5. MAY USE ONE PERCENT STEEPER MAXIMUM GRADES ON SHORT LENGTHS (LESS THAN 500 FT) AND ON ONE-WAY DOWN GRADES.
6. WIDEN 3 FT FOR GUARDRAIL.
7. DOCUMENT AND RETAIN JUSTIFICATION FOR A DESIGN SPEED LESS THAN THE REGULATORY OR POSTED SPEED IN THE PROJECT FILES.
8. ON ROADWAYS TO BE RECONSTRUCTED, A 22 FT TRAVELLED WAY MAY BE RETAINED WHERE THE SAFETY RECORDS AND ALIGNMENT ARE SATISFACTORY.
9. 18 FT MINIMUM WIDTH MAY BE USED FOR ROADWAYS WITH DESIGN VOLUMES UNDER 250 A.D.T.
10. SHOULDER WIDTH MAY BE REDUCED FOR DESIGN SPEEDS GREATER THAN 30 MPH PROVIDED A MINIMUM ROADWAY WIDTH OF 30 FT IS MAINTAINED.

Appendix E – FIRM Maps of the Study Area



surance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

NFIP

PANEL 0302D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 302 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EVARTS, CITY OF	210101	0302	D
HARLAN COUNTY	210098	0302	D

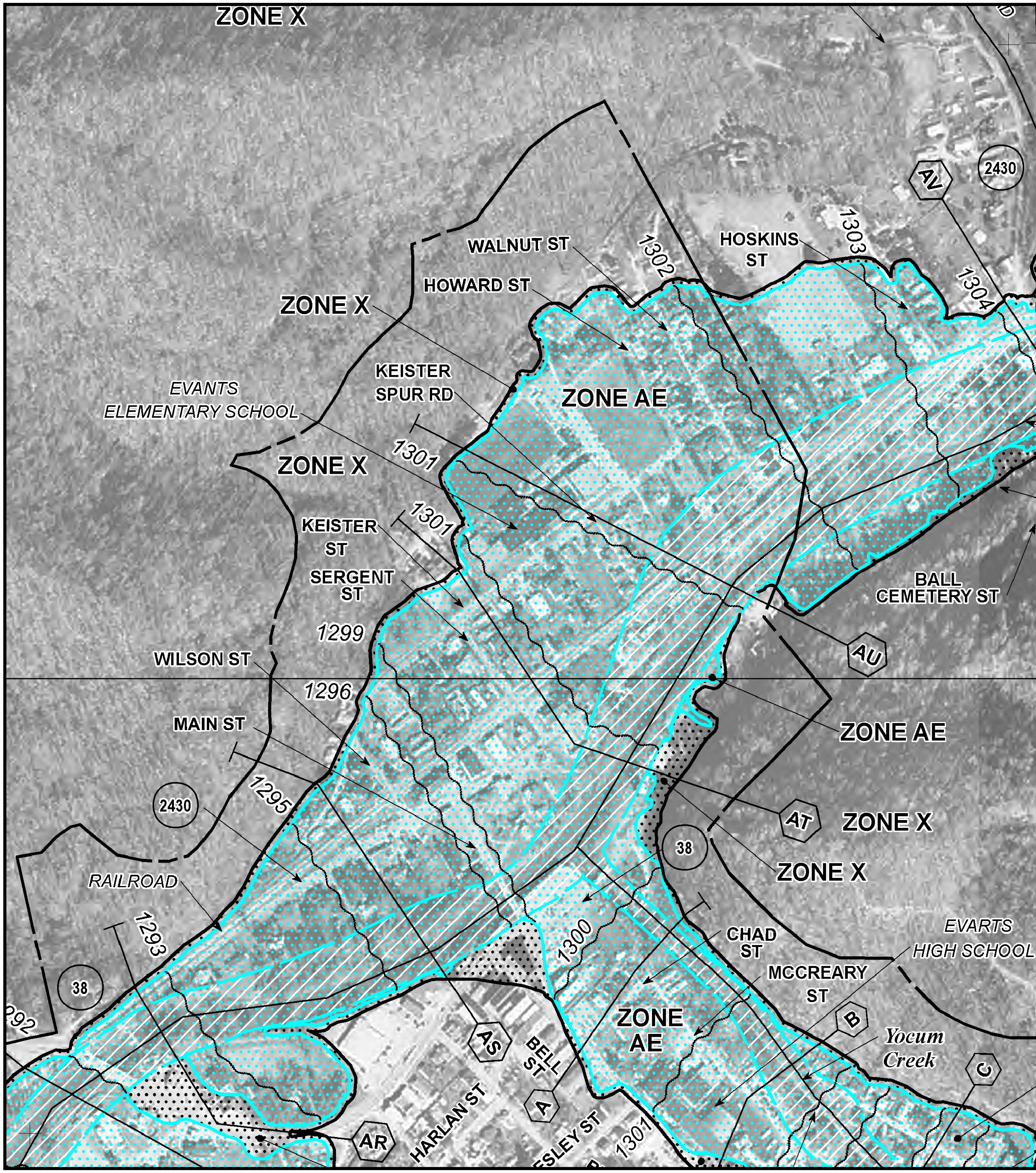
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
21095C0302D

EFFECTIVE DATE
AUGUST 16, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



surance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0302D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 302 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EVARTS, CITY OF	210101	0302	D
HARLAN COUNTY	210098	0302	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 21095C0302D

EFFECTIVE DATE AUGUST 16, 2006

Federal Emergency Management Agency

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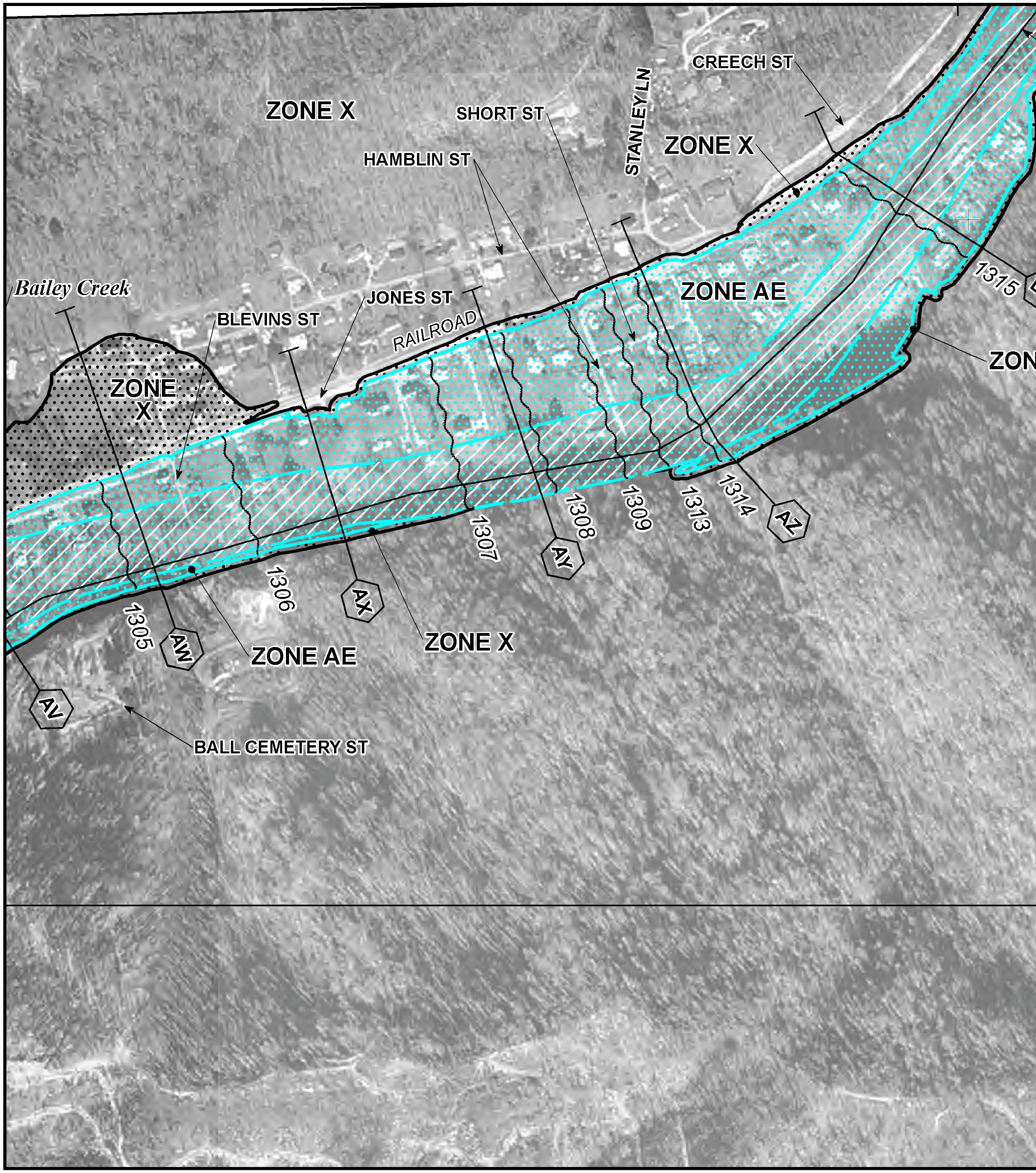


od Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0306D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 306 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

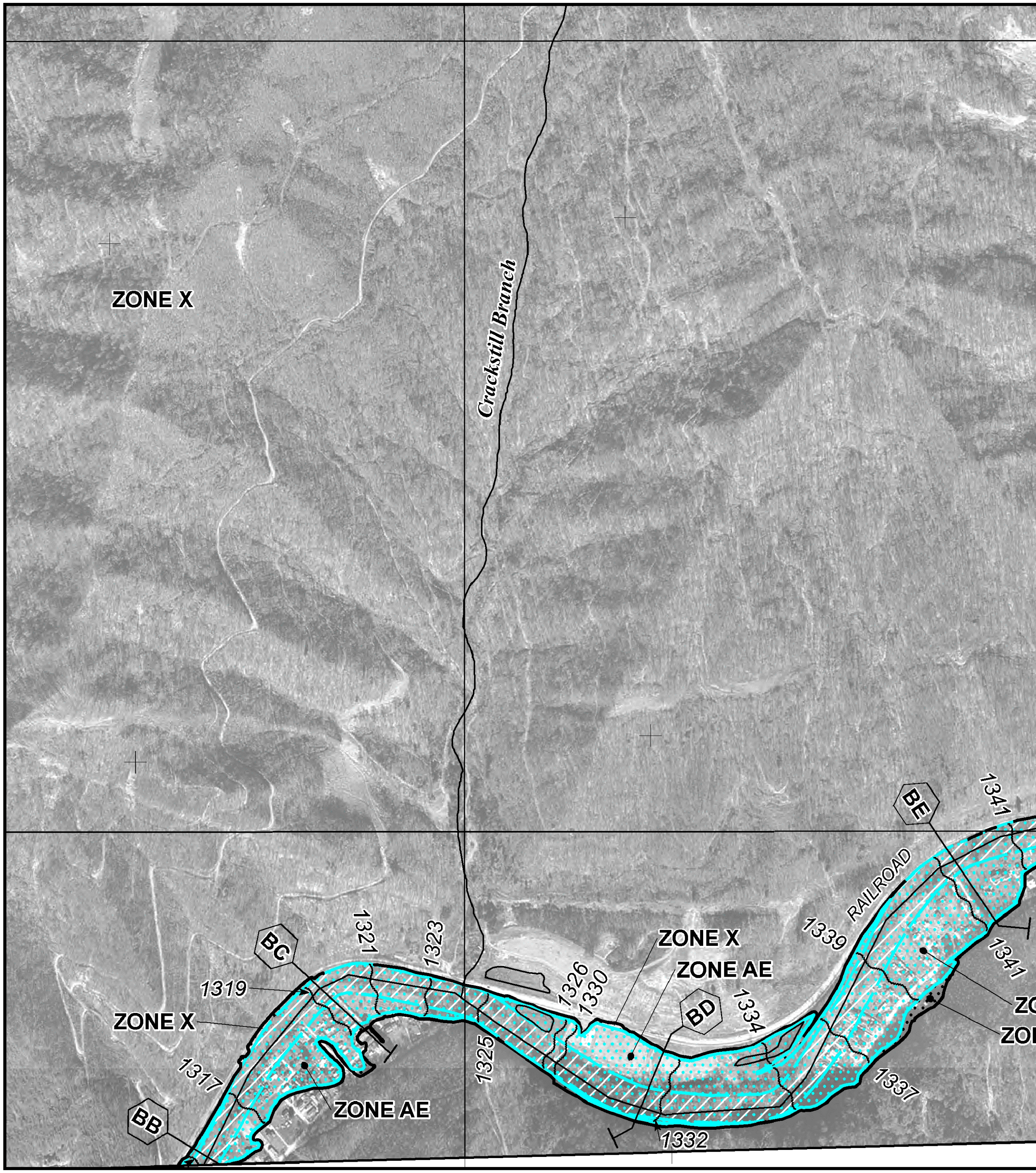
COMMUNITY	NUMBER	PANEL	SUFFIX
CITY OF EVARTS	210101	0306	D
HARLAN COUNTY	210098	0306	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 21095C0306D

EFFECTIVE DATE AUGUST 16, 2006

Federal Emergency Management Agency



surance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0145D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 145 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HARLAN COUNTY	210098	0145	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

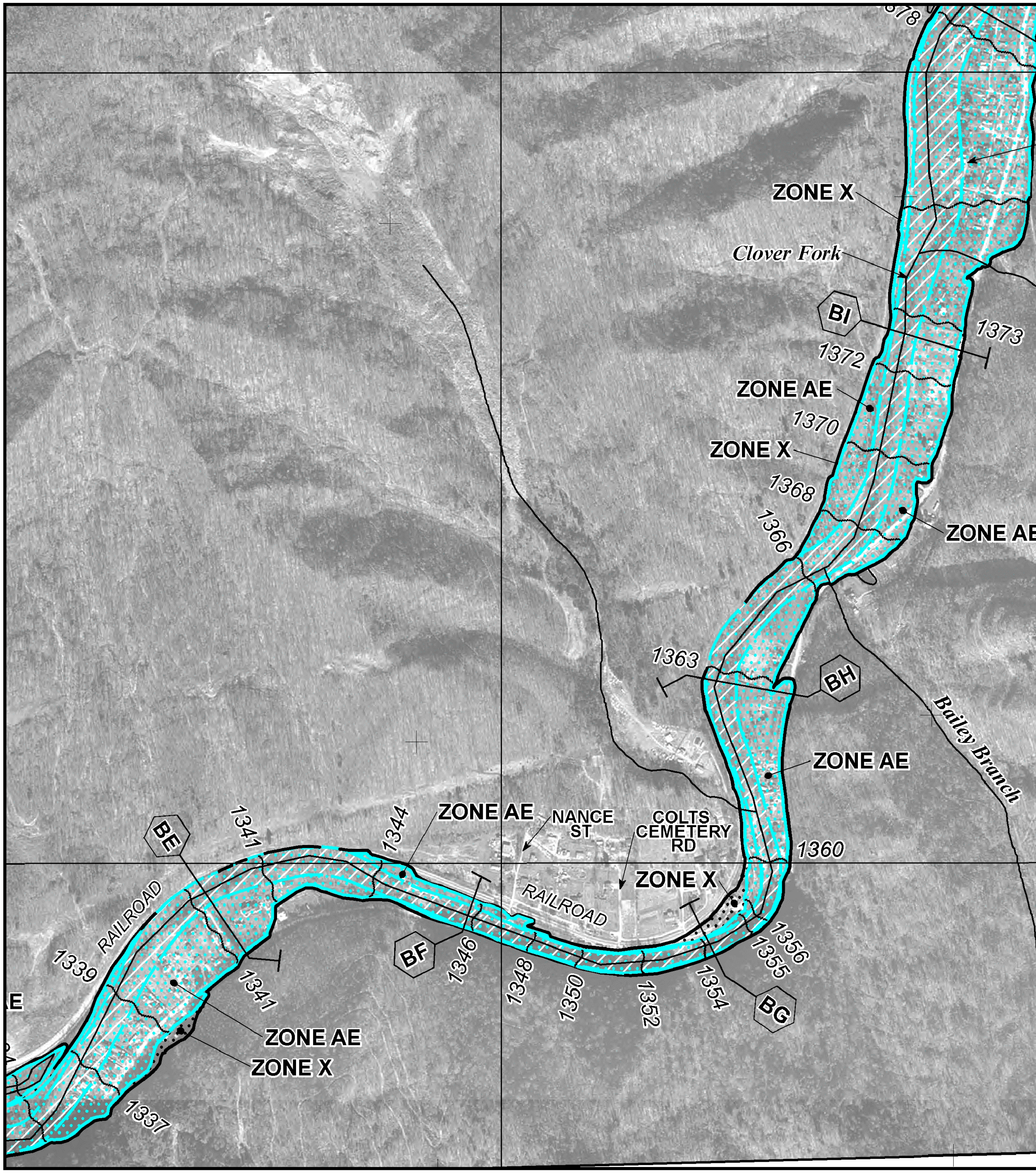
MAP NUMBER 21095C0145D

EFFECTIVE DATE AUGUST 16, 2006

U.S. DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



surance Program at 1-800-638-6620.

N

MAP SCALE 1" = 1000'

500 | 0 | 500 | 1,000 | 1,500 | 2,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0145D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 145 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HARLAN COUNTY	210098	0145	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 21095C0145D

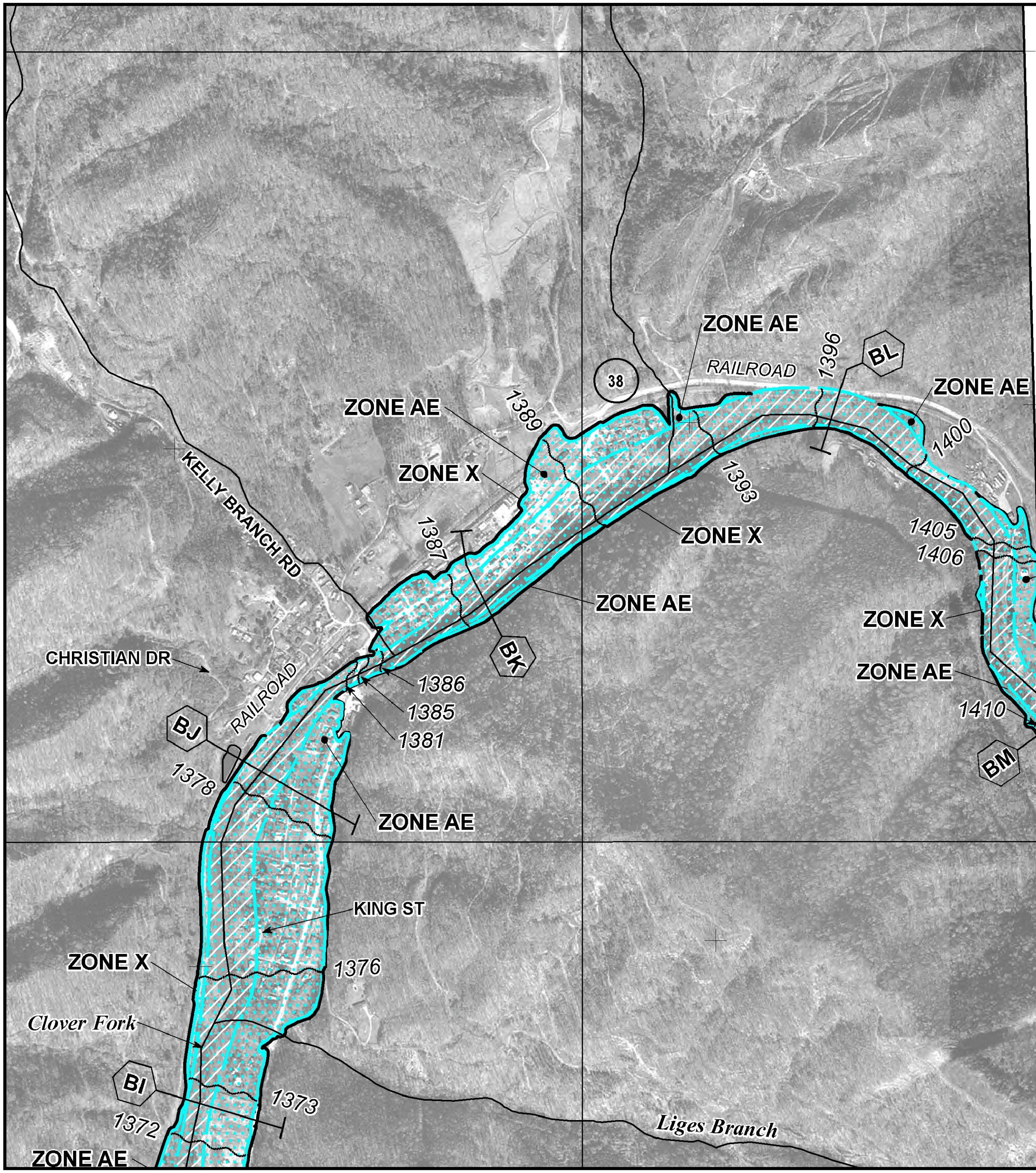
EFFECTIVE DATE AUGUST 16, 2006

U.S. DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

surance Program at 1-800-638-6620.



MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0145D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 145 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

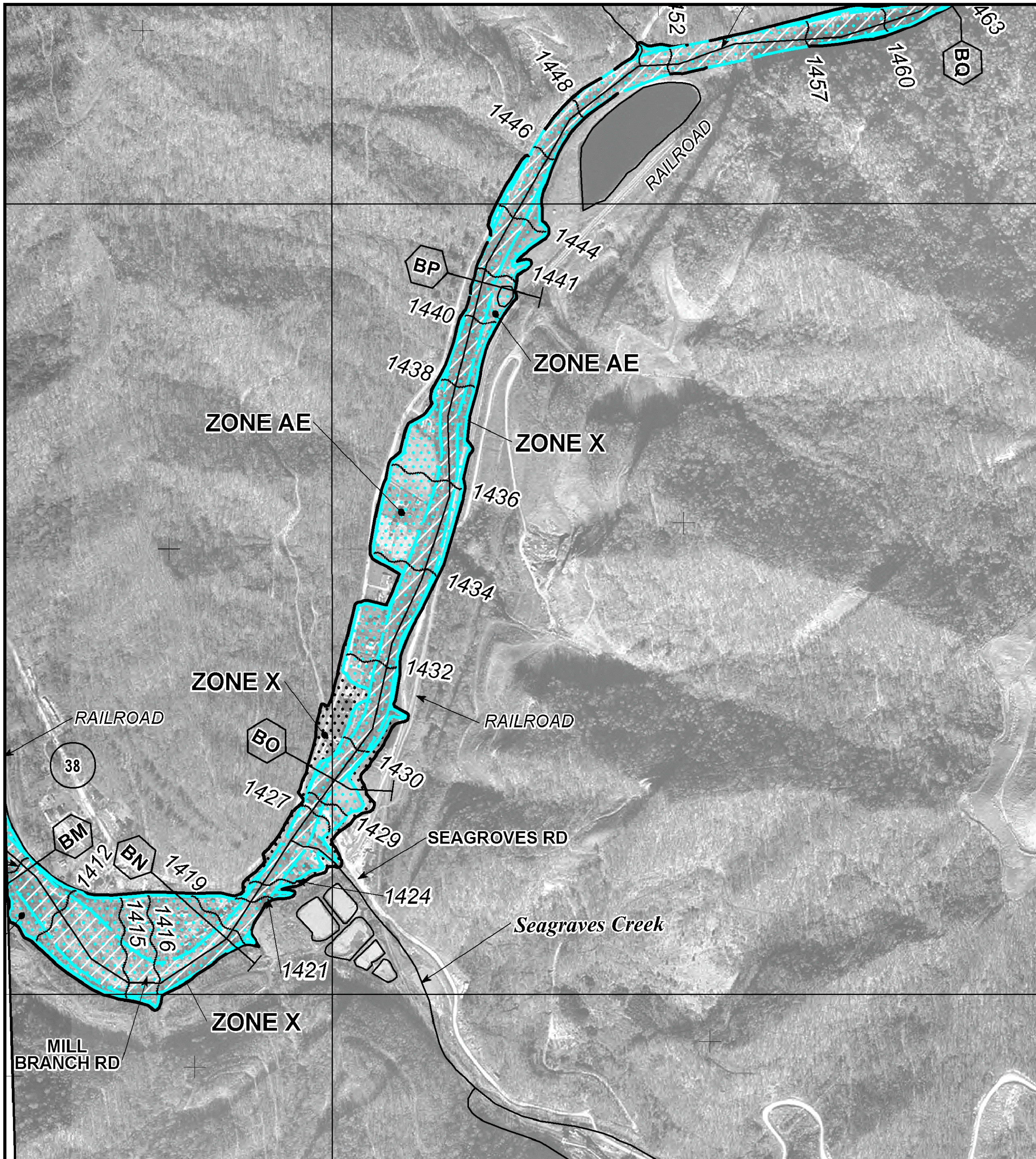
COMMUNITY	NUMBER	PANEL	SUFFIX
HARLAN COUNTY	210098	0145	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 21095C0145D

EFFECTIVE DATE AUGUST 16, 2006

Federal Emergency Management Agency



surance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0165D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 165 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HARLAN COUNTY	210098	0165	D

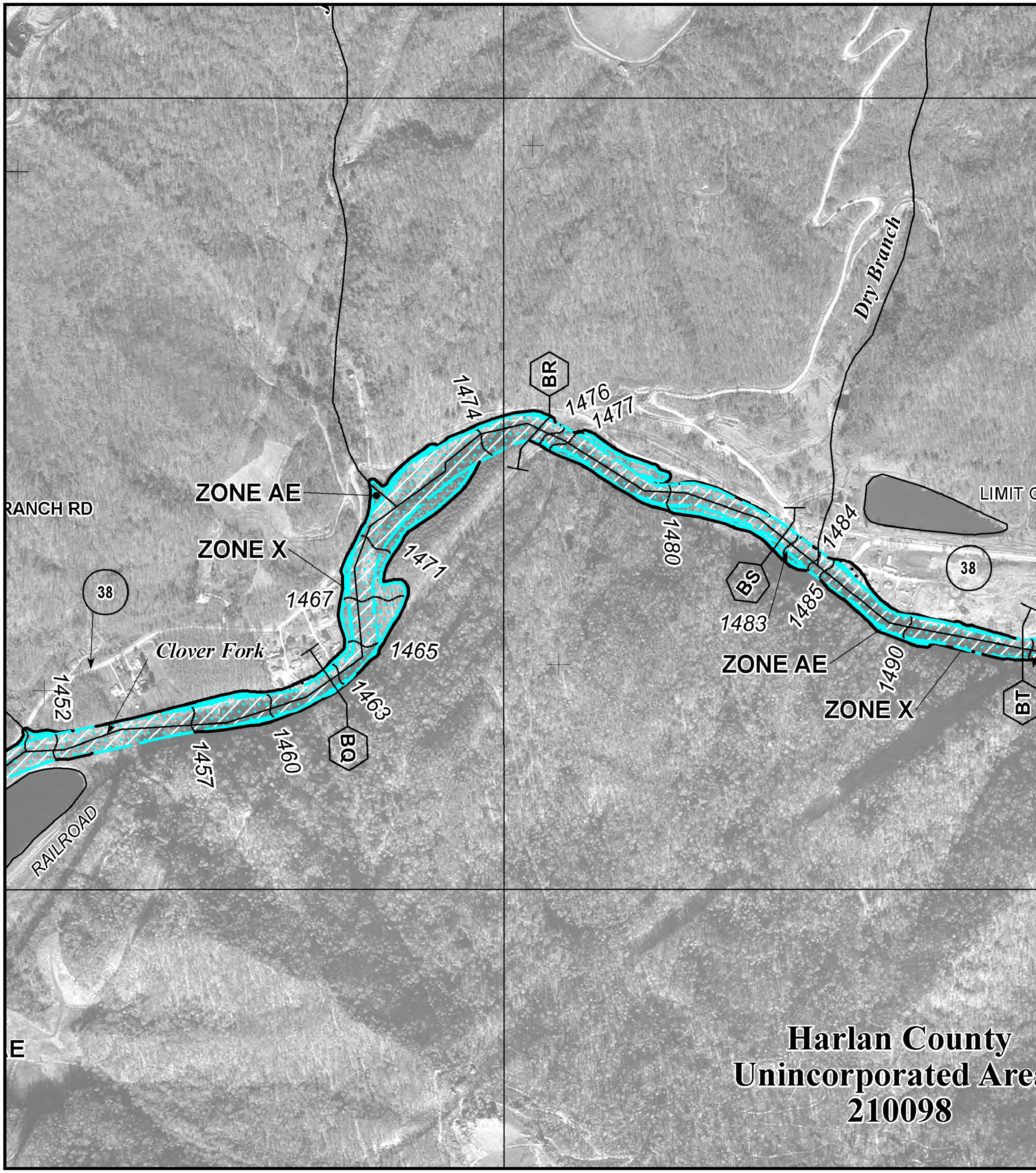
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
21095C0165D

EFFECTIVE DATE
AUGUST 16, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



surance Program at 1-800-638-6620.

N

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0165D

FIRM

FLOOD INSURANCE RATE MAP

HARLAN COUNTY, KENTUCKY

AND INCORPORATED AREAS

PANEL 165 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HARLAN COUNTY	210098	0165	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

U.S. DEPARTMENT OF HOMELAND SECURITY

MAP NUMBER 21095C0165D

EFFECTIVE DATE AUGUST 16, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

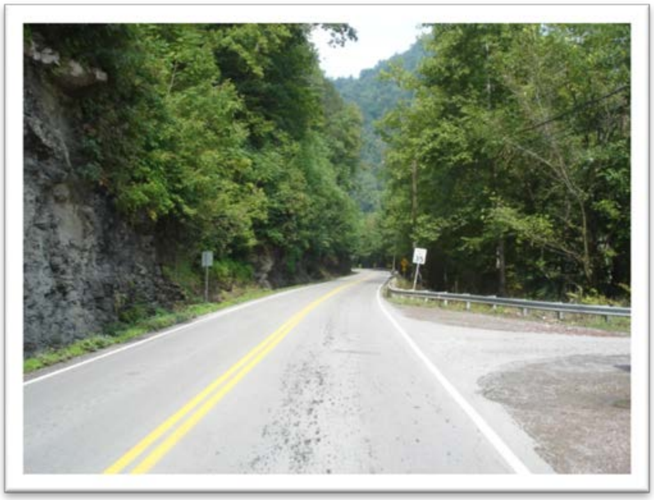
Appendix F – Photographs

KY 38: 1st potential spot improvement, multiple access points

KY 38: 2nd potential spot improvement, multiple access points and lack of warning signs for railroad crossing

KY 38 at KY 215 Intersection: 3rd potential spot improvement, sight distance problems along with adding possible auxiliary lane

KY 38: 4th potential spot improvement, narrow shoulders and no advance signing for approach road



KY 38: 5th potential spot improvement, severe horizontal curve

KY 38: 6th potential spot improvement, rock slide issues adjacent to route

KY 38: 7th potential spot improvement, horizontal curve and sight distance issue

KY 38: 8th potential spot improvement, narrow shoulders w/ upcoming horizontal curve


KY 38: 9th potential spot improvement, narrow bridge with no shoulders followed by horizontal curve


KY 38: 10th potential spot improvement, horizontal curve adjacent to railroad crossing

KY 38: 11th potential spot improvement, horizontal curve and lack of auxiliary lane to accommodate heavy truck turning movement

KY 38: 12th potential spot improvement, narrow shoulders and crashes in wet conditions

KY 38: 13th potential spot improvement, severe horizontal alignment S-curve

KY 38: 14th and final potential spot improvement, horizontal alignment problem at building

Appendix G – Existing Roadway Plans

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	LAYOUT SHEET
2	TYPICAL SECTIONS—SUMMARY OF QUANTITIES
	LIST OF STANDARD DRAWINGS
	PLAN AND PROFILE SHEETS
	DETAIL SHEETS
	REFERENCE SHEETS
	CROSS SECTION SHEETS
	DRAINAGE SHEETS
	BRIDGE SHEETS

SP#-1

COUNTY OF	STATE PROJ. NO.	SECTION NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HARLAN	48-48 48-68 48-88 48-108 48-128		1945	1	2

HARLAN COUNTY
S.P. 48-48-4 S.P. 48-68-1 S.P. 48-88-1
S.P. 48-108-4 S.P. 48-128-1

SCALES
PLAN 1 INCH 100 FEET
PROFILE HOR. 1 INCH FEET
PROFILE VER. 1 INCH FEET
CROSS SECTION 1 INCH FEET

SUBSECTIONS OF CONTRACT FOR GROUP 16 (1945)

HARLAN COUNTY

S.P. 48-128-1

✓48-128-15A - Surfacing from Jct. KY 66, 0.5 mile S. of S.C.L. of Harlan to end of blacktop at Liggett.

S.P. 48-108-4

✓48-108-45A - Surfacing from Jct. KY 66 at Caywood to end of blacktop at Jct. with Three Point Road.

S.P. 48-88-1

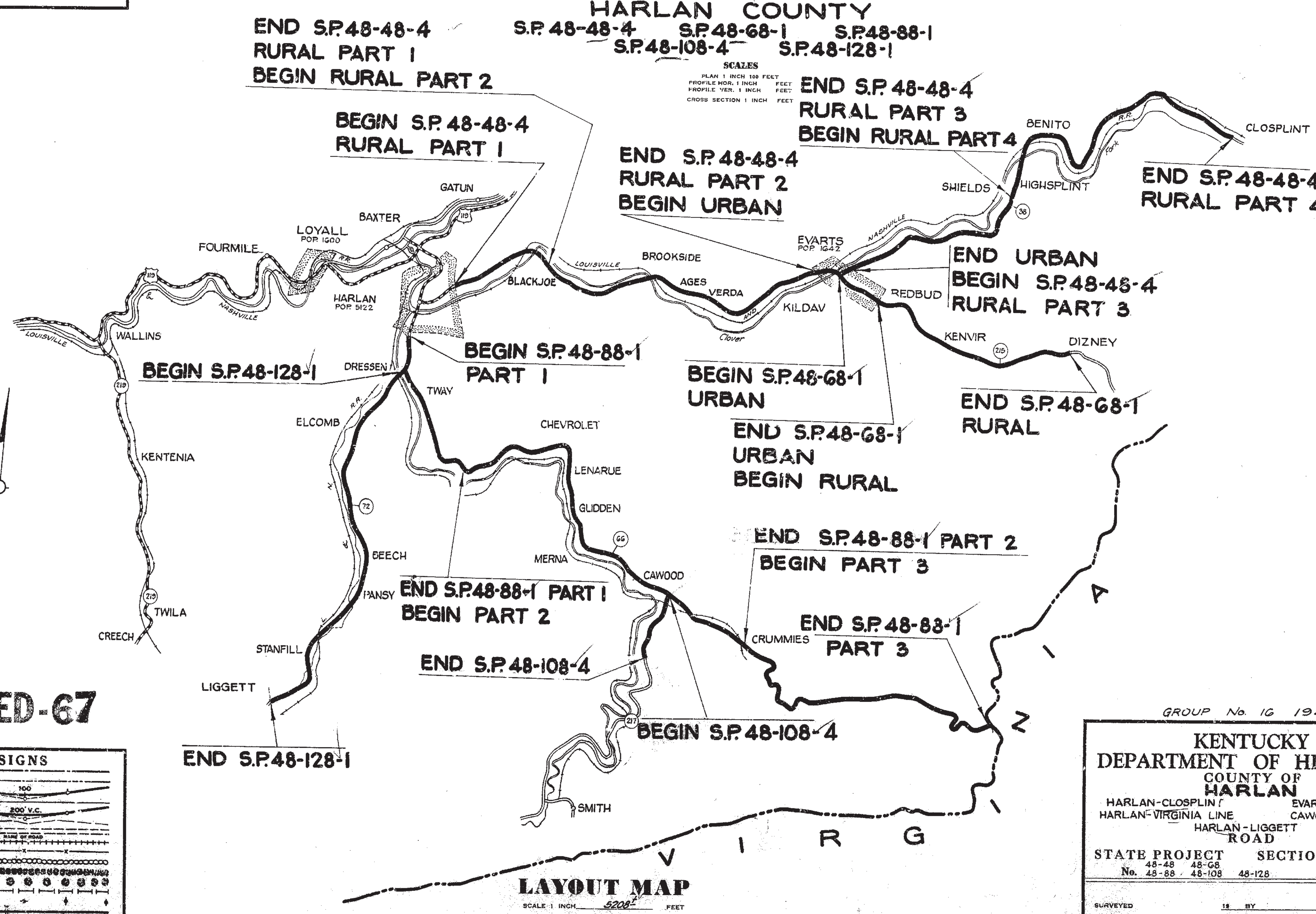
✓48-88-15A - Surfacing from S.C.L. of Harlan to 2.574 miles S.E. near Wilsonberger.
✓48-88-15B - Surfacing from 2.574 miles S.E. of S.C.L. of Harlan to near Crummies 10.718 mi. S.E. of S.C.L. of Harlan.
✓48-88-15C - Surfacing from 10.718 miles S.E. of S.C.L. of Harlan to Virginia State Line.

S.P. 48-68-1

✓48-2068-15A - Surfacing from Jct. KY. 38 in Evarts to S.E.C.L. of Evarts.
✓48-68-15B - Surfacing from S.E.C.L. of Evarts to Dizney, opposite Church

S.P. 48-48-4

✓48-48-45A - Surfacing from E.C.L. of Harlan to 1.300 miles East
✓48-48-45B - Surfacing from 1.800 miles East of E.C.L. of Harlan to W.C.L. of Evarts
✓48-2048-45C - Surfacing from E.C.L. to W.C.L. of Evarts
✓48-48-45D - Surfacing from E.C.L. of Evarts to Shields
✓48-48-45E - Surfacing from Shields to Closplint opposite Negro School House.



LAYOUT MAP

SCALE: 1 INCH 5208± FEET

CONVENTIONAL SIGNS

COUNTY LINE
CORPORATE LIMITS
SURVEY LINE
PROPOSED RIGHT OF WAY
GRADE LINE
GROUND LINE
TRAVELED WAY
RAILROAD
FENCES (EXCEPT STONE & HEDGE)
STONE FENCE
HEDGE FENCE
TREES & STUMPS
PIPE LINE
TELEPHONE POLES
PIPE CULVERT
CONCRETE CULVERT & BRIDGE
LARGE STREAM
SMALL STREAM
BENCH MARKS
ROAD INTERSECTIONS
MARSH
BUILDINGS
UNIMPROVED ROADS
GRADED EARTH ROADS
IMPROVED ROADS

MICROFILMED-67

LETTING DATE 8-6-45

PLANS TRACED BY S.C.M.
PLANS COMPLETED BY S.C.M.
PLANS CHECKED BY V.R.L.
FINAL CHECK BY 3/14/45 G.R.O.

NO. SETS	DATE
SENT FOR FEDERAL APPROVAL	
RECORD PLANS	
CONSTRUCTION PLANS	

GROSS LENGTH	LIN. FT. MILES	GROSS LENGTH	LIN. FT. MILES	GROSS LENGTH	LIN. FT. MILES	GROSS LENGTH 251078	LIN. FT. 47.552 MILES
ADDED / DEDUCTED FOR EQUALITIES	LIN. FT.	ADDED / DEDUCTED FOR EQUALITIES	LIN. FT.	ADDED / DEDUCTED FOR EQUALITIES	LIN. FT.	ADDED / DEDUCTED FOR EQUALITIES	LIN. FT.
NET LENGTH	LIN. FT. MILES	NET LENGTH	LIN. FT. MILES	NET LENGTH	LIN. FT. MILES	NET LENGTH 251078	LIN. FT. 47.552 MILES
NOT INCLUDED		NOT INCLUDED		NOT INCLUDED		NOT INCLUDED	
RAILROAD CROSSINGS NO.	LIN. FT.	RAILROAD CROSSINGS NO.	LIN. FT.	RAILROAD CROSSINGS NO.	LIN. FT.	RAILROAD CROSSINGS NO.	LIN. FT.
BRIDGES	LIN. FT.	BRIDGES	LIN. FT.	BRIDGES	LIN. FT.	BRIDGES	LIN. FT.

GROUP No. 16 1945

KENTUCKY DEPARTMENT OF HIGHWAYS
COUNTY OF **HARLAN**
HARLAN-CLOSPLINT EVARTS-DIZNEY
HARLAN-VIRGINIA LINE CAWOOD-SMITH
HARLAN-LIGGETT
ROAD

STATE PROJECT No.	SECTION	DATE
48-48 48-68 48-88 48-108 48-128		1945

SURVEYED 19 BY LOCATING ENGINEER
PLANS CHECKED 3/16 1945 BY G. P. Green CHIEF DRAFTSMAN
SURVEY AND PLANS APPROVED 3/16 1945 BY K. D. Mudey ENGINEER OF ROAD DESIGN
SURVEY AND PLAN APPROVED 3/19 1945 BY G. L. Pogue DIRECTOR OF CONSTRUCTION
SURVEY AND PLAN APPROVED 3/19 1945 BY T. H. Cutter STATE HIGHWAY ENGINEER

APPROVED 3/22 1945
By J. S. Watkins COMMISSIONER OF HIGHWAYS

RECOMMENDED FOR APPROVAL
[redacted]
DISTRICT ENGINEER PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY

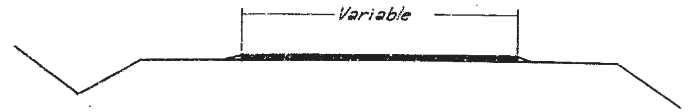
APPROVED
[redacted]
COMMISSIONER PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY

SUMMARY OF QUANTITIES

COUNTY OF	STATE PROJ. NO.	SECTION NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HARLAN	48-48 48-68 48-88 48-108 48-128		1945	[illegible]	2

2 of 2

TYPICAL SECTION



EXISTING:
- S.P.48-48 RURAL PART 1 — 1"± Bituminous Road Mix on 3" Traffic Bound Macadam, 18' wide.
- S.P.48-48 RURAL PART 2 — 1"± Bituminous Road Mix on 5" Gravel, 18' wide.
- S.P.48-48 URBAN 1"± Bituminous Road Mix on 3" & 4" Traffic Bound Macadam, 18' wide.
- S.P.48-48 RURAL PART 3 — 1"± Bituminous Road Mix on 5" Traffic Bound Macadam, 18' wide.
- S.P.48-48 RURAL PART 4 — 1"± Bituminous Road Mix on 5" & 7" Gravel, 18' wide.
- S.P.48-68 URBAN — 1"± Rock Asphalt on 5" Concrete Base, Variable width.
- S.P.48-68 RURAL — 1"± Bituminous Road Mix on 5" Gravel, 18' wide.
- S.P.48-88 RURAL PART 1 — 1"± Bituminous Road Mix on 4" Gravel, 18' wide.
- S.P.48-88 RURAL PART 2 — 1"± Bituminous Road Mix on 3" Traffic Bound Macadam, 18' wide.
- S.P.48-88 RURAL PART 3 — 1"± Bituminous Road Mix on 6" Gravel, 18' wide.
- S.P.48-108 — 1"± Bituminous Road Mix on 4" Traffic Bound Macadam, 16' wide.
- S.P.48-128 — 1"± Bituminous Road Mix on 4" Gravel, 16' wide.

NEW CONSTRUCTION: Resurfacing.
Paint Coat — 0.1 Gal. per sq. yd. Bituminous Material (R.C.-2) for Paint Coat.
1" — Surface — 90 Lbs. per sq. yd. Bituminous Coated Aggregate Class F Surface Type B.

NOTE: Bituminous Material (M.C.-5) or (R.T.-10) mixed with Crushed Aggregate shall be used in the Class F mixture.

MICROFILMED-67

FOR SURFACING

FROM: EAST CORPORATE LIMIT OF HARLAN TO: 1.8 MILE TOWARD EVARTS S.P.48-48 RURAL PART 1	LIN. FT.	SQ. YDS.	MILES
GROSS LENGTH	9504'		1.800'
NET LENGTH	9504'		1.800'
ADDED FOR CURVE WIDENING		1992	
TOTAL SURFACING		21000'	
FROM: 1.8 MILE EAST OF HARLAN TO: WEST CORPORATE LIMIT OF EVARTS S.P.48-48 RURAL PART 2			
GROSS LENGTH	30624		5.800'
NET LENGTH	30624'		5.800'
ADDED FOR CURVE WIDENING		6152	
TOTAL SURFACING		67400	
FROM: WEST CORPORATE LIMIT OF EVARTS TO: EAST CORPORATE LIMIT OF EVARTS S.P.48-48 URBAN			
GROSS LENGTH	2640'		0.500'
NET LENGTH	2640'		0.500'
ADDED FOR CURVE WIDENING		520	
TOTAL SURFACING		5800'	
FROM: EAST CORPORATE LIMIT OF EVARTS TO: SHIELDS S.P.48-48 RURAL PART 3			
GROSS LENGTH	20064		3.800'
NET LENGTH	20064		3.800'
ADDED FOR CURVE WIDENING		3972	
TOTAL SURFACING		44100'	
FROM: SHIELDS TO: CLOSPLINT OPPOSITE NEGRO SCHOOL S.P.48-48 RURAL PART 4			
GROSS LENGTH	31871'		6.036'
NET LENGTH	31871'		6.036'
ADDED FOR CURVE WIDENING		6358	
TOTAL SURFACING		70100'	
FROM: JCT. KY. 38 ALONG BRIDGE AND YOCUM STS. TO: CORPORATE LIMIT OF EVARTS S.P.48-68 URBAN			
GROSS LENGTH	1320		0.250'
NET LENGTH	1320'		0.250'
ADDED FOR CURVE WIDENING		284	
TOTAL SURFACING		3160'	
FROM: CORPORATE LIMIT OF EVARTS TO: DIZNEY, OPPOSITE CHURCH S.P.48-68 RURAL			
GROSS LENGTH	25519		4.833'
NET LENGTH	25519		4.833'
ADDED FOR CURVE WIDENING		5104	
TOTAL SURFACING		56140'	
FROM: SOUTH CORPORATE LIMIT OF HARLAN TO: NEAR WILSONBERGER S.P.48-88 RURAL PART 1			
GROSS LENGTH	13591'		2.574'
NET LENGTH	13591'		2.574'
ADDED FOR CURVE WIDENING		2718	
TOTAL SURFACING		29900'	
FROM: NEAR WILSONBERGER TO: NEAR CRUMMIES S.P.48-88 RURAL PART 2			
GROSS LENGTH	43001'		8.144'
NET LENGTH	43001'		8.144'
ADDED FOR CURVE WIDENING		8600	
TOTAL SURFACING		94600	
FROM: NEAR CRUMMIES TO: VIRGINIA STATE LINE S.P.48-88 RURAL PART 3			
GROSS LENGTH	29996'		5.681'
NET LENGTH	29996		5.681'
ADDED FOR CURVE WIDENING		5999	
TOTAL SURFACING		65990'	
FROM: JCT. KY. 66 AT CAWOOD TO: JCT. WITH THREE POINT ROAD S.P.48-108			
GROSS LENGTH	5988		1.134'
NET LENGTH	5988		1.134'
ADDED FOR CURVE WIDENING		1065	
TOTAL SURFACING		11710	
FROM: JCT. KY. 66, 0.5 MILE SOUTH OF HARLAN TO: END BLACKTOP AT LIGGETT S.P.48-128			
GROSS LENGTH	36960'		7.000'
NET LENGTH	36960'		7.000'
ADDED FOR CURVE WIDENING		6594	
TOTAL SURFACING		72300'	
TOTAL			
GROSS LENGTH	251078'		47.552'
NET LENGTH	251078'		47.552'
ADDED FOR CURVE WIDENING		49358	
TOTAL SURFACING		542200	

GENERAL NOTES

All curves to be banked and widened according to Standards or as directed.

The lengths shown conform to the records in the central office and should be verified for final record by measurement in the field.

Part width construction will be required on this project, the contractor keeping the road open to traffic at all times.

The contractor shall erect and maintain sufficient barricades and warning signs to protect and direct the traveling public and shall supply a sufficient number of watchmen and flagmen to direct traffic and protect that portion of the surface that is not ready to be opened to traffic. The contractor shall arrange his operations so that at the end of each days work there will be remaining no section of part width, unless as determined by the engineer, conditions warrant a deviation from this rule.

In order to prevent a traffic hazard, the bituminous material for the paint coat shall be applied part width at a time.

The contractor will be required to protect the edges of the surface by furnishing and placing an earth shoulder approximately one foot wide and two or more inches deep along each edge. This shoulder is to be compacted and rolled at the time of rolling the bituminous surface or at a time as may be directed by the District Engineer. Where slopes are disturbed to yield excavation material the contractor will be required to dress back slopes. No direct payment will be allowed for any of the items of work referred to in this paragraph.

The Standard Specifications for State and Federal Road and Bridge Construction, edition of 1938, with the following amendments and provisions will apply on this project:

Booklet No. 1 — Amendments and Revisions.
Amendment No. 3 — Measurement and payment.
Special Specification No. 32 R — Bituminous Coated Aggregate (Class F).
Special Specification No. 38 — Sand for Bituminous Mixtures.

GENERAL SUMMARY

ITEM	UNIT	S.P.48-48 RURAL PART 1	S.P.48-48 RURAL PART 2	S.P.48-48 URBAN	S.P.48-48 RURAL PART 3	S.P.48-48 RURAL PART 4	S.P.48-68 URBAN	S.P.48-68 RURAL	S.P.48-88 RURAL PART 1	S.P.48-88 RURAL PART 2	S.P.48-88 RURAL PART 3	S.P.48-108	S.P.48-128	TOTAL
Bituminous Material (R.C.-2) for Paint Coat	Gal.	2100'	6740	580'	4410	7010'	320	5610'	2990'	3460'	6600'	1170'	7230	5422[illegible]
Bituminous Coated Aggregate Class F Surface Type B	Ton	945'	3035'	260'	1985'	3155'	145'	2525'	1345	4260	2970'	530'	3255	2441[illegible]

COUNTY OF	STATE PROJ. NO.	SECTION	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HARLAN	113	A & B	192[illegible]	1	79

INDEX OF SHEETS

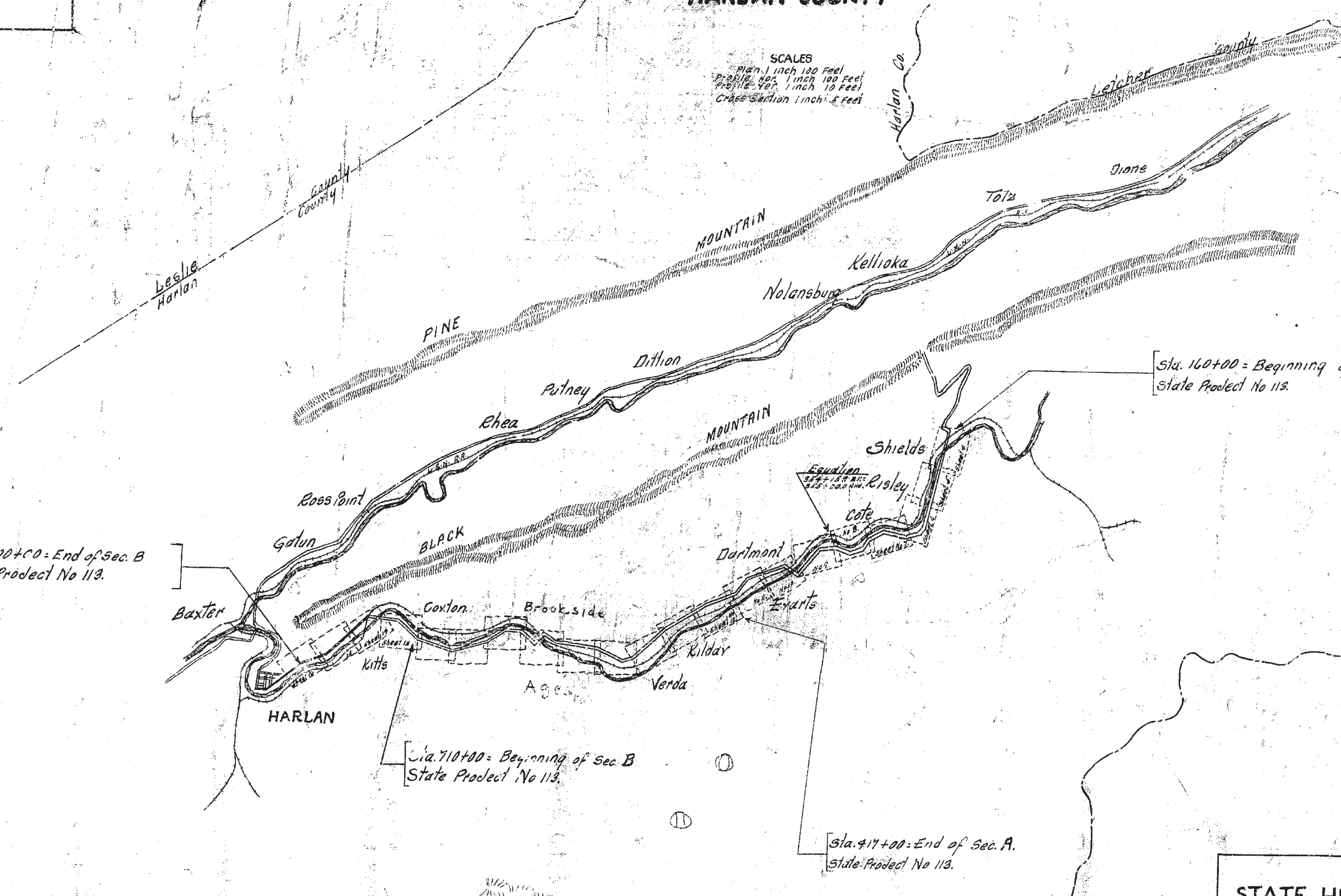
1	TITLE SHEET		
2	TYPICAL SECTION & SUMMARY SHEET		
3	STANDARD DRAWINGS SHEET		
4	PLAN-PROFILE SHEET	STA. 160+00 TO	STA. 192+80
5	" " "	" 192+80 "	" 223+50
6	" " "	" 223+50 "	" 255+00
7	" " "	" 255+00 "	" 284+85
8	" " "	" 284+85 "	" 315+00
9	" " "	" 315+00 "	" 348+25
10	" " "	" 348+25 "	" 380+00
11	" " "	" 380+00 "	" 410+00
12	" " "	" 410+00 "	" 417+00
13	" " "	" 710+00 "	" 732+85
14	" " "	" 732+85 "	" 767+00
15	" " "	" 767+00 "	" 795+70
16	" " "	" 795+70 "	" 800+00
17-22	REFERENCE SHEETS		
23-79	CROSS SECTION SHEETS		
	BRIDGE SHEETS		

COMMONWEALTH OF KENTUCKY
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
STATE PROJECT NO 113 SECTS. A & B
HARLAN COUNTY

Harlan 1-3

SCALES
Plan 1 inch 100 Feet
Profile Hor. 1 inch 100 Feet
Profile Ver. 1 inch 10 Feet
Cross Section 1 inch 5 Feet



MICROFILMED-67

LAYOUT MAP
SCALE 1 INCH FEET

NET LENGTH SEC. A 25615.9 FT. = 4.851 MILES
841 FT. DEDUCTED FOR EQUATION
NET LENGTH SEC. B 9000 FT. = 1.704 MILES
TOTAL NET LENGTH 34616.9 FT. = 6.555 MILES

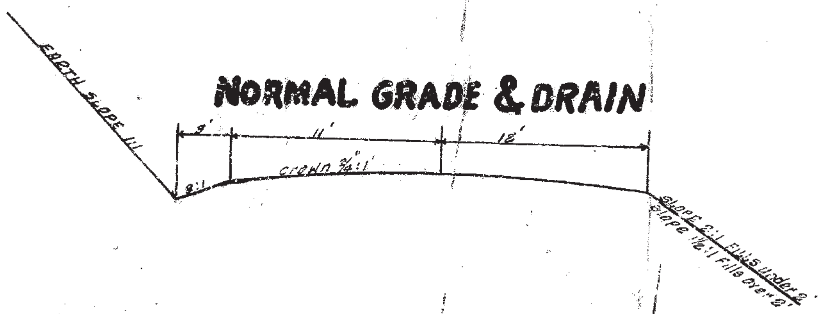
KENTUCKY
STATE HIGHWAY DEPARTMENT
COUNTY OF
HARLAN
SHIELDS-HARLAN
ROAD

STATE PROJECT No 113	SECTION A & B	DATE 1928

SURVEYED	1928 by J.W. Markle
PLANS CHECKED Jan. 14	
SURVEY AND PLANS APPROVED	
SURVEY AND PLANS APPROVED	
APPROVED	
APPROVED	

TYPICAL SECTION & SUMMARY SHEET

NORMAL GRADE & DRAIN



GENERAL NOTES

The Department's 1926 Standard Specifications will govern on this project.

All curves to be banked and widened according to Standards.

The Contractor is not to order material for drainage structures until the quantities have been checked by the Engineer.

Excavation and Borrow for Private entrances shall be paid for at the unit prices bid for roadway Excavation and Borrow.

Options on local quarries or pits are secured by the State Highway Department for the protection of the contractor. Payments of the option for materials obtained from such quarries or pits will be made by the Contractor.

For sections in solid Rock Cuts See Drawing #1 and 2 on standard Drawing Sheet #3 of these Plans.

GENERAL SUMMARY

Sheet No.	Sta. to Sta.	Clearing and Grubbing	Excavation: Com.	Com. Bor.	S. Rock	S.R. Bor.	Struct.	Overhaul	Remov. Unclass. Slides	Final Dressing	Removing Pipe	Relaid Pipe				Cl. A Corrugated Metal Ent. Pipe 18"	18"	24"	Remarks
	Unit to bid on	Acres	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Yd. Sta.	Cu. Yds.	100' Sta.	Lin. Ft.	Lin. Ft.				Lin. Ft.	Lin. Ft.	Lin. Ft.	
4	160+00 - 92+80	4.79	8179	575*	3406			1592											
5	192+80 - 223+50	4.22	3698	276	199			2161											
6	223+50 - 255+00	5.29	2817	331	15306														
7	255+00 - 284+85	4.66	4188	1086	7522			2010											
8	284+85 - 315+00	5.21	4732		21569														
9	315+00 - 348+25	4.65	5071	28	2589			3127											
10	348+25 - 380+00	4.73	1334	5318															
11	380+00 - 410+00	5.39	618	2302															
12	410+00 - 417+00	1.88	55	3004															
13	710+00 - 732+25	3.27	2137	1243	140			950											
14	732+25 - 767+00	4.79	3513	962	4408			12521											
15	767+00 - 795+70	4.87	2596	358	3925			2409											
16	795+70 - 800+00	0.79	54	1195	50														
		54.24	35052	17118	59111		662	30770	15000	344	50	50				305	305	406	

Note: 483 Cu. Yds. Slate Borrow included in Common Borrow.

BRIDGE & CULVERT SUMMARY

Sheet No.	Station	Size	Skew	Alternate using Concrete: Concrete Class A	Class D	Class E	Struct. Excv.	Reinf. Steel	Alternate using Stone Masonry: Stone Masonry Class A	Class B	Class D	Class E	Struct. Excav.	Reinf. Steel
	Unit to bid on		Deg.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Lbs.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Lbs.
	161+84	10X3½X26		30			30	2500	134				30	1315
	168+50	5-40' DG.		276	19.5	28.5		80000			[illegible]	28.5		
	188+80	6X3X87'		28.5			30	2600	94				30	922
	191+85	8X3X26		33.0			25	2590	108				25	970
	214+44	10X3½X26		29.0			30	2400	130				30	1265
	23?+75	4X3X26		17.7			20	1310	46				20	370
	243+13	6X4X26		26.7			15	2090	75				15	670
	261+42	6X4X36		33.8			30	3760	96				30	900
	266+50	3X3X26		15.0			15	1300	3.5				15	390
	308+?3	3X3X30		16.3			20	1460	3.8				20	330
	333+20	4X3X26		17.4			15	1310	4.6				15	370
	342+01	3X3X31		16.7			20	1500	39				20	340
	349+25	5-40' DG.	30	236	19.5	28.5		95160		15	19.5	28.		15900
	362+25	4X4X43		29.7			25	2240	68				25	590
	377+25	36' DG.		51.4	24	47.7		15960		3	24	47.7		11800
	396+63	4X2X26		14.1			20	1230	43				20	370
	408+50	4X3X26		17.4			15	1310	43				15	370
	713+30	4X3X27		17.3			20	1250	47				20	382
	747+00	3X3X42		20.3			25	1950	48				25	445
	753+62	5X3X35		24.1			30	2110	72				30	605
	771+07	6X4X26		25.7			20	2090	76				20	670
	793+71	4X4X28					20	1580	51				20	400
				1082.0										
				1082.0	29.4	61.77	425	221800	129.0	93	29.4	61.77	425	65172

Station	Foundation Excavation: Com. Mon. Dry	Wet	Solid Rock Dry	Wet	Use only with Stone Masonry: 1st Class Masonry	Stone Paving	Culvt. Masonry	Remove Exist. Struct.	Bronze Plates		Grade	Dwg. No.	Std. or Spcl.
Unit to bid on	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Sq. Yds.	Cu. Yds.	Item	Lbs.				
161+84						30	27						
168+50	200	100	100	50	41.5				1760				
188+80						25	21						
191+85						23	19						
214+44						29	26						
23?+75						11.6	16						
243+13						17	24						
261+42						23	29						
266+50						9	15						
308+?3						10	17						
333+20						12	16						
342+01						10	17						
349+25	250	100	100	50	57.5				1760				
362+25						19	32						
377+25	75	25			90								
396+63						12	10						
408+50						12	10						
713+30						12	16						
747+00						14	21						
753+62						20	19						
771+07						17	24						
793+71						13	24						
	525	225	200	100	1130	319.6	383		3570				

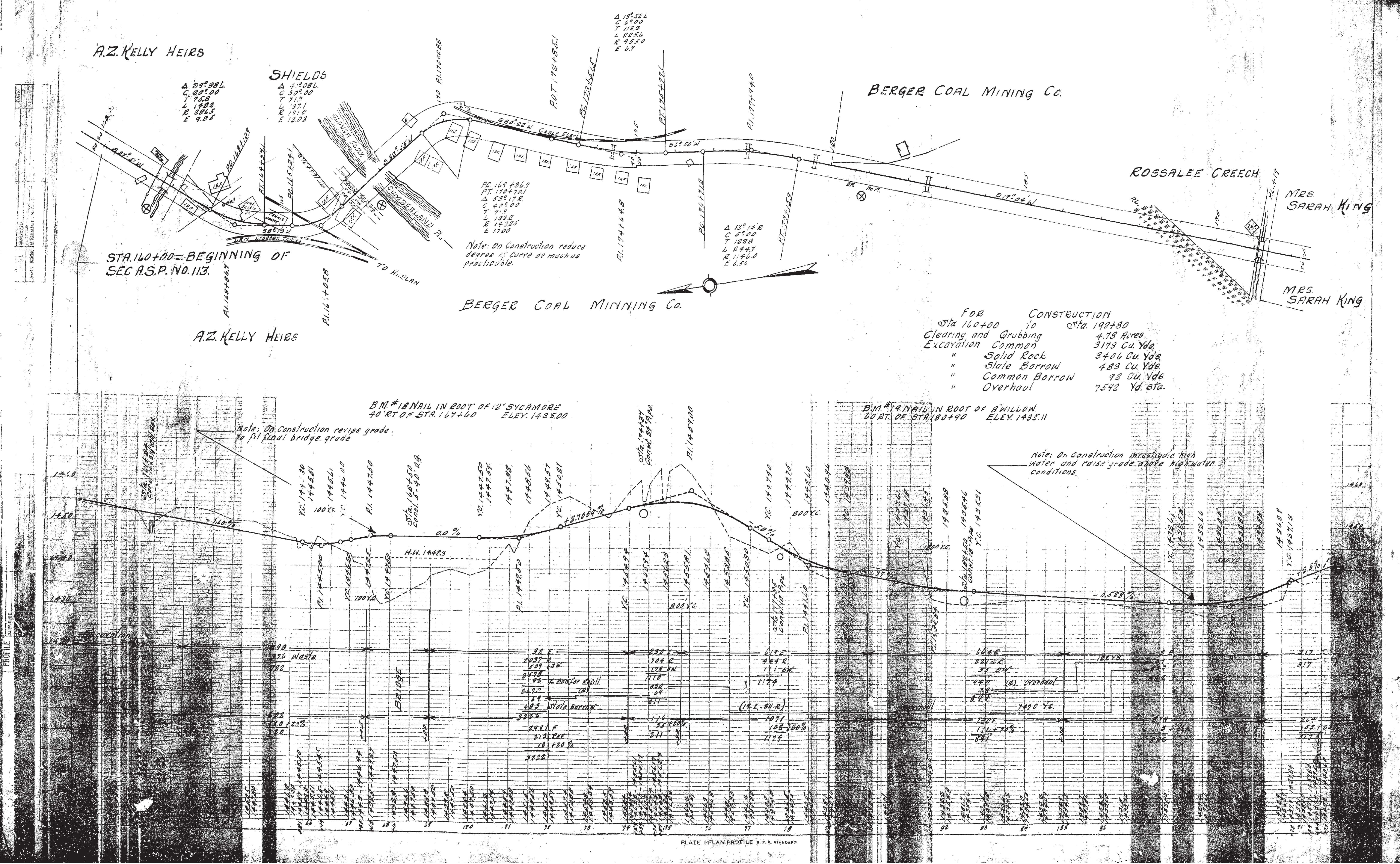
Bids must be Submitted on:
First Class Reinforced Concrete Pipe
First Class D.S. Vertified Pipe

PIPE SUMMARY

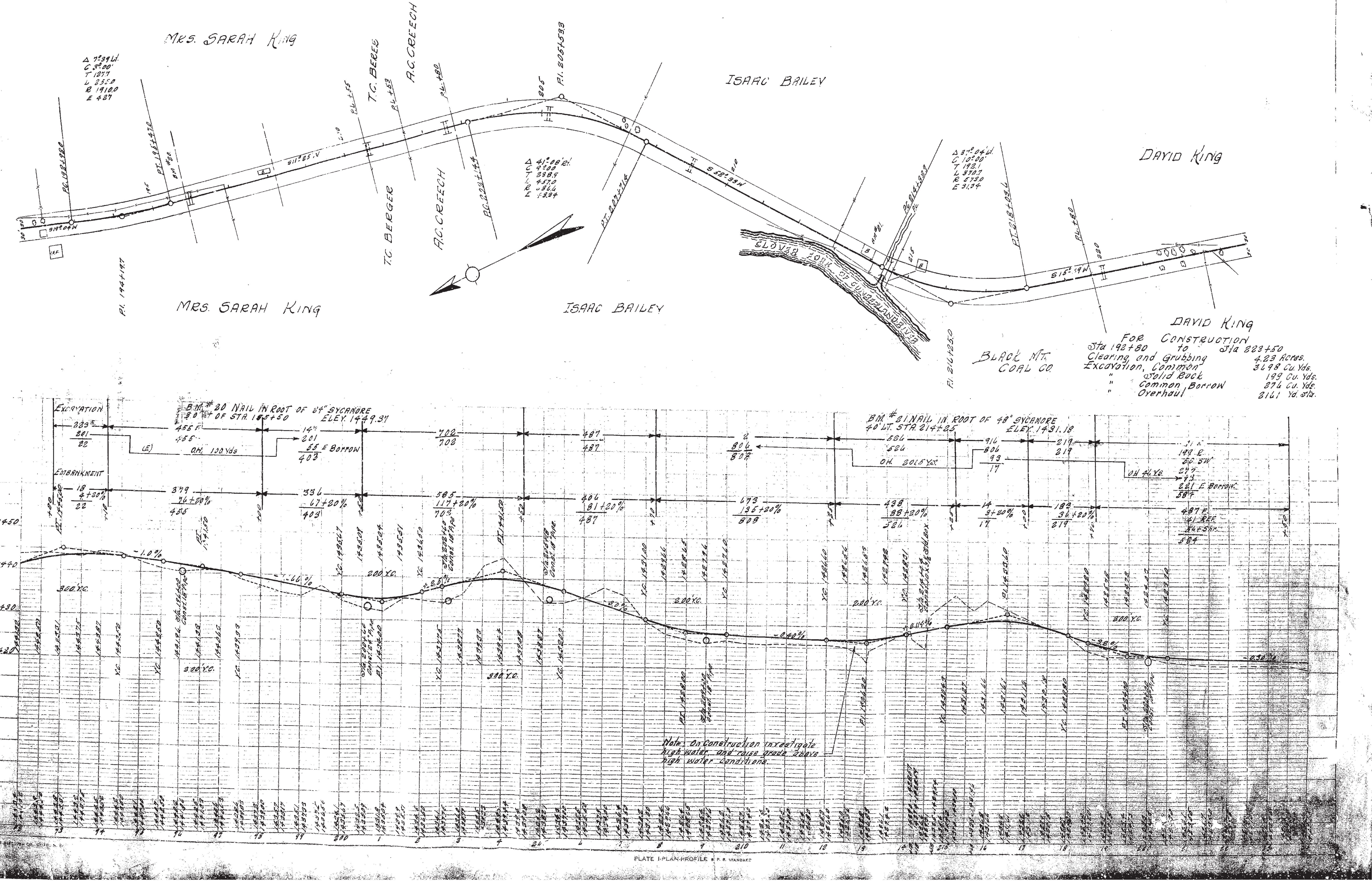
Sheet No.	Sta.	1st Class R.C. Pipe 18"	24"	Class A Concrete HDW's	Remarks
Unit	To bid on	Lin. Ft.	Lin. Ft.	Cu. Yds.	
	174+39		42	4.00	2 Std. Hw's
4	177+85	27		3.02	" " "
	179+60	24		3.49	1 Std. 1 Raised H.W.
	188+50		27	4.54	" "
5	196+00	27		3.49	" "
	200+60		27	4.54	" "
	202+60	27		3.02	2 Std. Hd.W's
	205+15	30		3.02	" "
	209+00	27		3.49	1 Std. 1 Rsed. H.W.
	220+00	27		3.49	" " " "
6	225+00		27	4.00	2 Std. H.W's
	227+50	27		3.49	1 Std. 1 Rsed. H.W.
	231+50	27		3.02	2 Std. H.W's.
	238+00	63		3.02	" "
	251+25		33	4.00	" "
	254+00	39		3.02	" "
7	267+00	36		3.02	" "
	272+50	27		3.49	1 Std. 1 Rased H.W.
	279+40	27		3.49	" " "
	282+50		27	4.54	" " "
8	285+00	27		3.02	2 Std. H.W's.
	290+00	36		3.02	" "
	294+89	39		3.02	" "
	302+50	33		3.02	" "
9	317+00	27		3.49	1 Std. 1 Rsed H.W.
	318+50	30		3.02	2 Std. H.W's
	320+00	27		3.02	" "
	323+50	30		3.02	" "
	326+50	30		3.02	" "
	328+00		30	4.00	" "
	331+00	27		3.49	1 Std. 1 Rsed H.W.
10	339+00	27		3.49	" " "
	356+00	27		3.49	" " "
	370+50	27		3.02	2 Std. Hd.W's
	373+00	27		3.02	" "
	374+91	33		3.02	" "
	375+32	33		3.02	" "
	376+40	30		3.02	" "
11	383+00	24		3.49	1 Std. 1 Rsed H.W.
	388+10	24		3.49	" " "
	401+50	27		3.49	" " "
	403+00	24		3.49	" " "
12	414+00	27		3.02	2 Std. Hd.W's
	416+00	39		3.02	" "
13	711+50	30		3.02	2 Std. H.W's
	716+00	30		3.02	" "
	717+75	24		3.49	1 Std. 1 R. H.W.
	719+90	24		3.49	" "
	720+28	[illegible]		3.49	" "
	722+00		24	4.54	" "
14	736+50	24		3.49	" "
	740+69		30	4.00	2 Std. H.W's
	745+23	27		3.49	1 Std. 1 Rsed H.W.
	749+50		33	4.00	2 Std. H.W's
	754+50	24		3.49	1 Std. 1 Raised
	757+89	30		3.02	2 Std. H.W's
	761+45	36		3.02	" "
	764+50	57		3.02	" "
	766+00	27		3.02	" "
15	768+50		30	4.00	" "
	770+00	30		3.02	" "
	774+15	33		3.02	" "
	776+41	30		3.02	
	777+47	69		3.02	" "
	781+60	33		3.02	
	784+50		27	4.00	" "
	787+50	27		3.02	
	789+00	27		3.49	1 Std. [illegible]
	791+01	27		3.02	[illegible]
16	799+20		33	4.00	
		[illegible]	[illegible]	[illegible]	

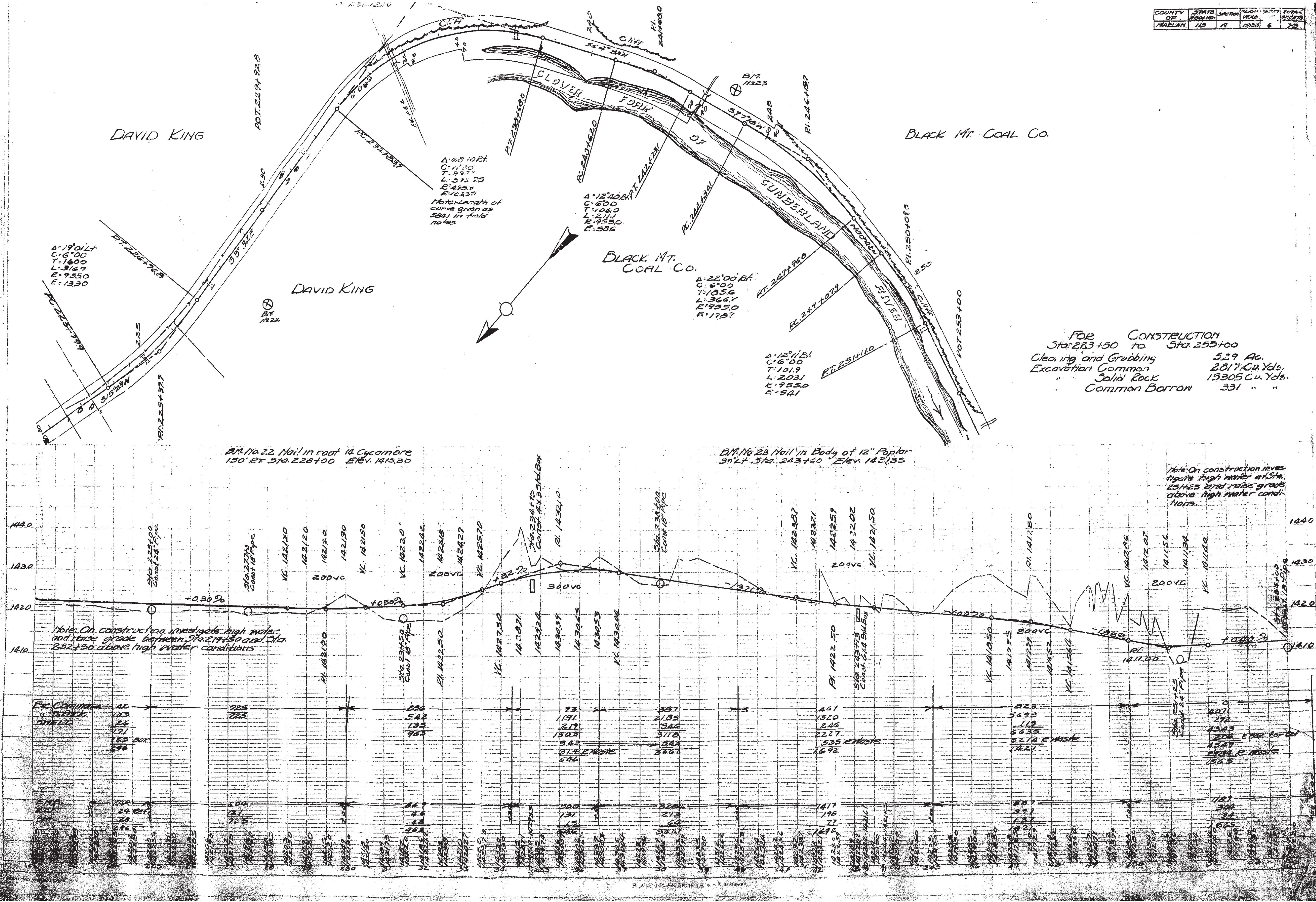
Note: [illegible]

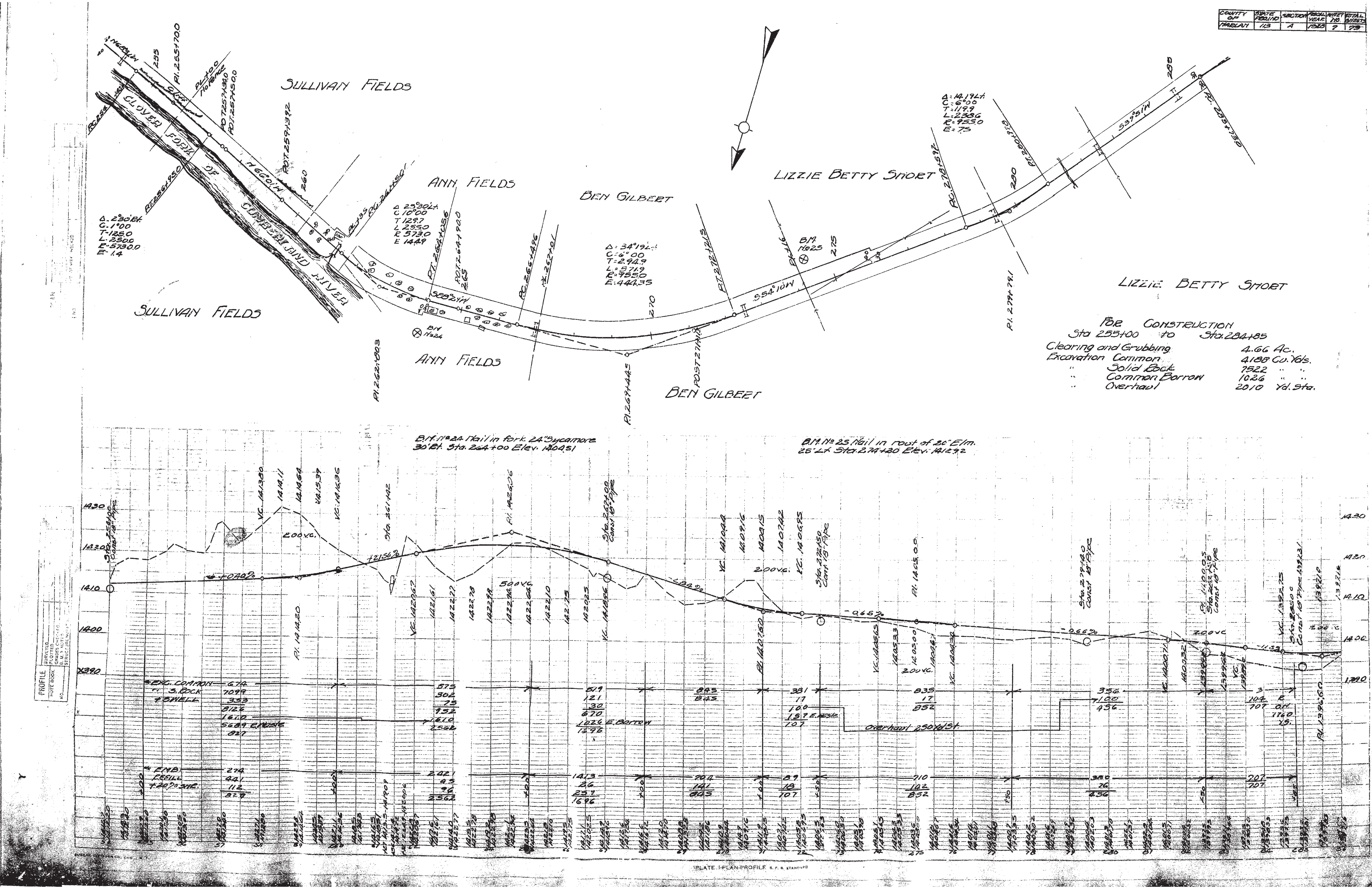
COUNTY OF	STATE PROJECT No	SECTION	FISCAL YEAR	SHEET No	TOTAL SHEETS
HARLAN	113	A	1928	4	79

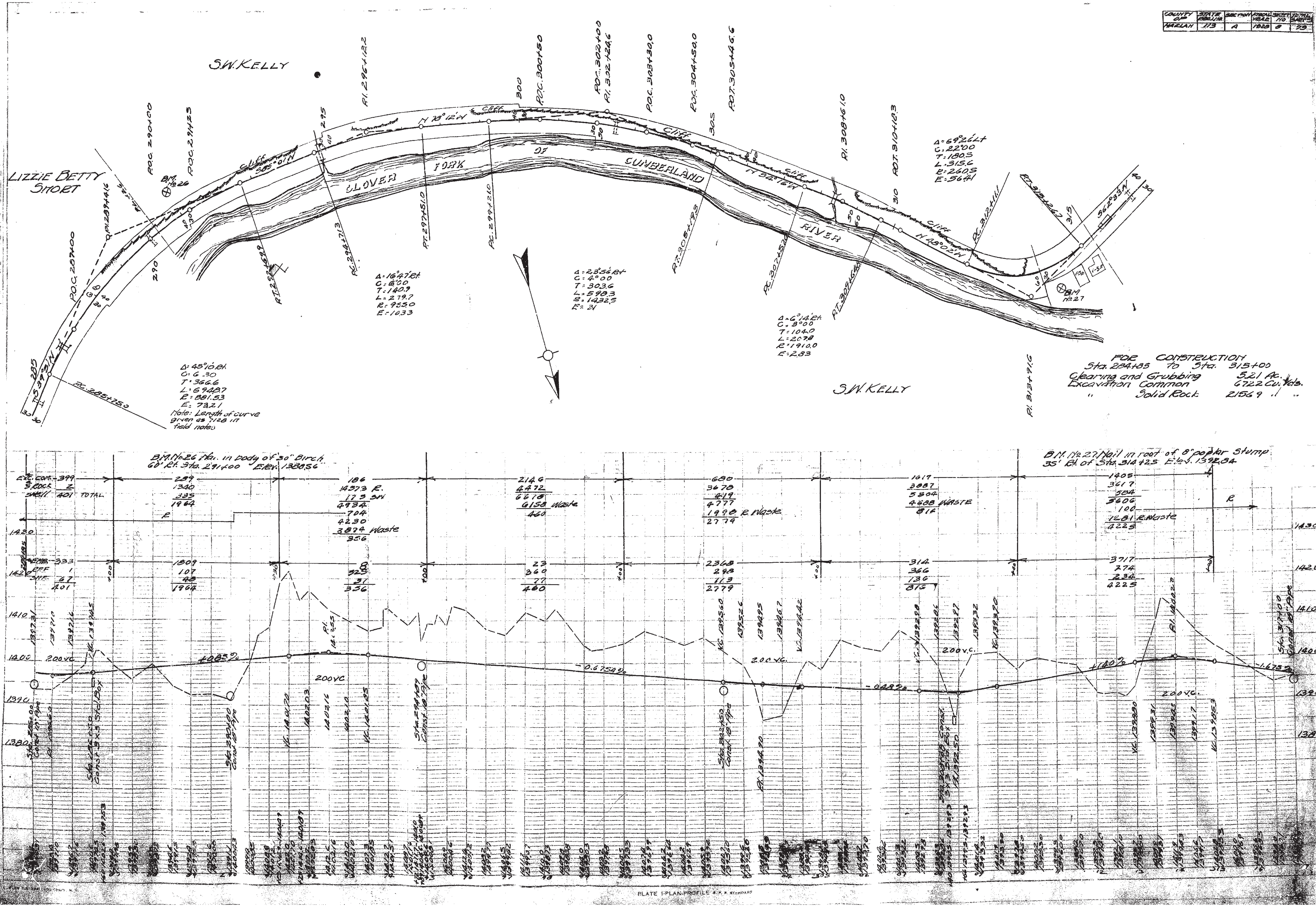


COUNTY OF	STATE PROJ. NO.	SECTION	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HARLAN	119	A	1928	5	79

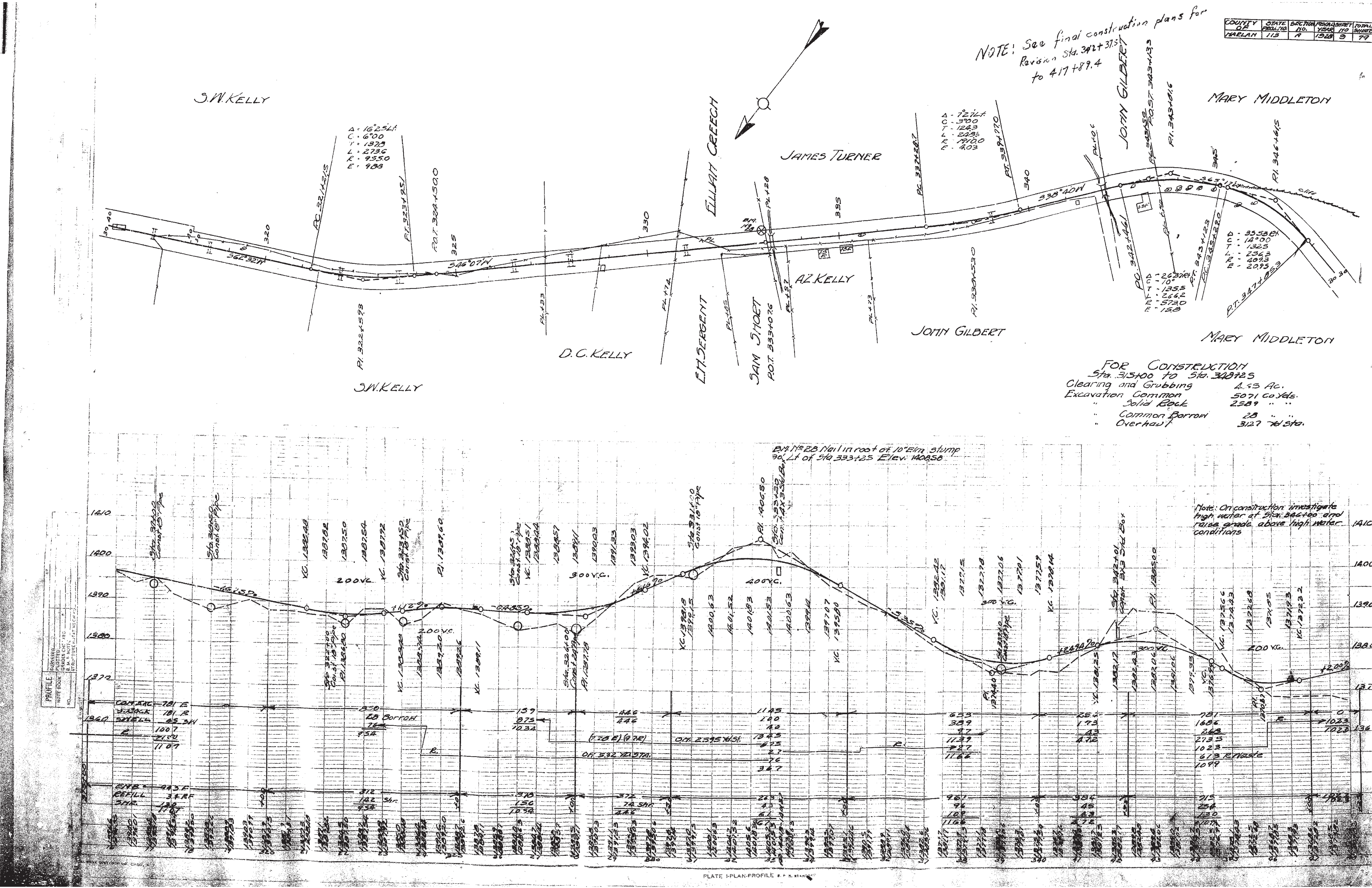



COUNTY OF HARLAN | STATE PROJ. NO. 113 | SECTION A | FISCAL YEAR 1928 | SHEET NO. 6 | TOTAL SHEETS 73
DAVID KING
DAVID KING
BLACK MT. COAL CO.
BLACK MT. COAL CO.
CLOVER FORK OF CUMBERLAND RIVER
Cliff
B.M. 11-22
B.M. 11-23
Δ: 19°01' Lt
C: 6°00
T: 160.0
L: 316.9
R: 955.0
E: 13.30
Δ: 68°10' Rt
Note: Length of curve given as 384.1 in field notes
Δ: 12°40' Rt
C: 6°00
T: 106.0
L: 211.1
R: 955.0
E: 5.86
Δ: 22°00' Rt
C: 6°00
T: 185.6
L: 366.7
R: 955.0
E: 17.87
Δ: 12°11' Rt
C: 6°00
T: 101.9
L: 203.1
R: 955.0
E: 5.41
PC 223+37.9
PI 225+37.9
PT 226+96.8
POT 229+92.8
PC 232+83.9
PT 239+68.0
PC 240+62.0
PT 242+73.1
PC 244+43.1
PT 247+96.8
PC 249+07.9
PT 251+11.0
POT 253+00
PI 246+15.7
PI 250+07.0
FOR CONSTRUCTION
Sta. 223+50 to Sta. 253+00
Clearing and Grubbing 5.29 Ac.
Excavation Common 2817 Cu. Yds.
" Solid Rock 15305 Cu. Yds.
Common Borrow 331 " "
B.M. No. 22 Nail in root 14" Cycamore 150' Rt. Sta. 228+00 Elev. 1415.30
B.M. No. 23 Nail in Body of 12" Poplar 30' Lt. Sta. 243+60 Elev. 1431.35
Note: On construction investigate high water and raise grade between Sta. 219+50 and Sta. 232+50 above high water conditions.
Note: On construction investigate high water at Sta. 251+25 and raise grade above high water conditions.
Sta. 225+00 Const. 24" Pipe
Sta. 227+42 Const. 18" Pipe
Sta. 231+50 Const. 18" Pipe
Sta. 234+75 Const. 4 X 3 Std. Box
Sta. 238+00 Const. 18" Pipe
Sta. 251+25 Const. 24" Pipe
-0.80%
+0.50%
+3.2%
-1.37%
-1.85%
+0.40%
200 V.C.
300 V.C.
PI 1432.10
PI 1422.50
PI 1411.00
Exc. Common
" S. Rock
PROFILE
NOTE BOOK
SURVEYED
PLOTTED
GRADES CHECKED
PLATE 1-PLAN-PROFILE

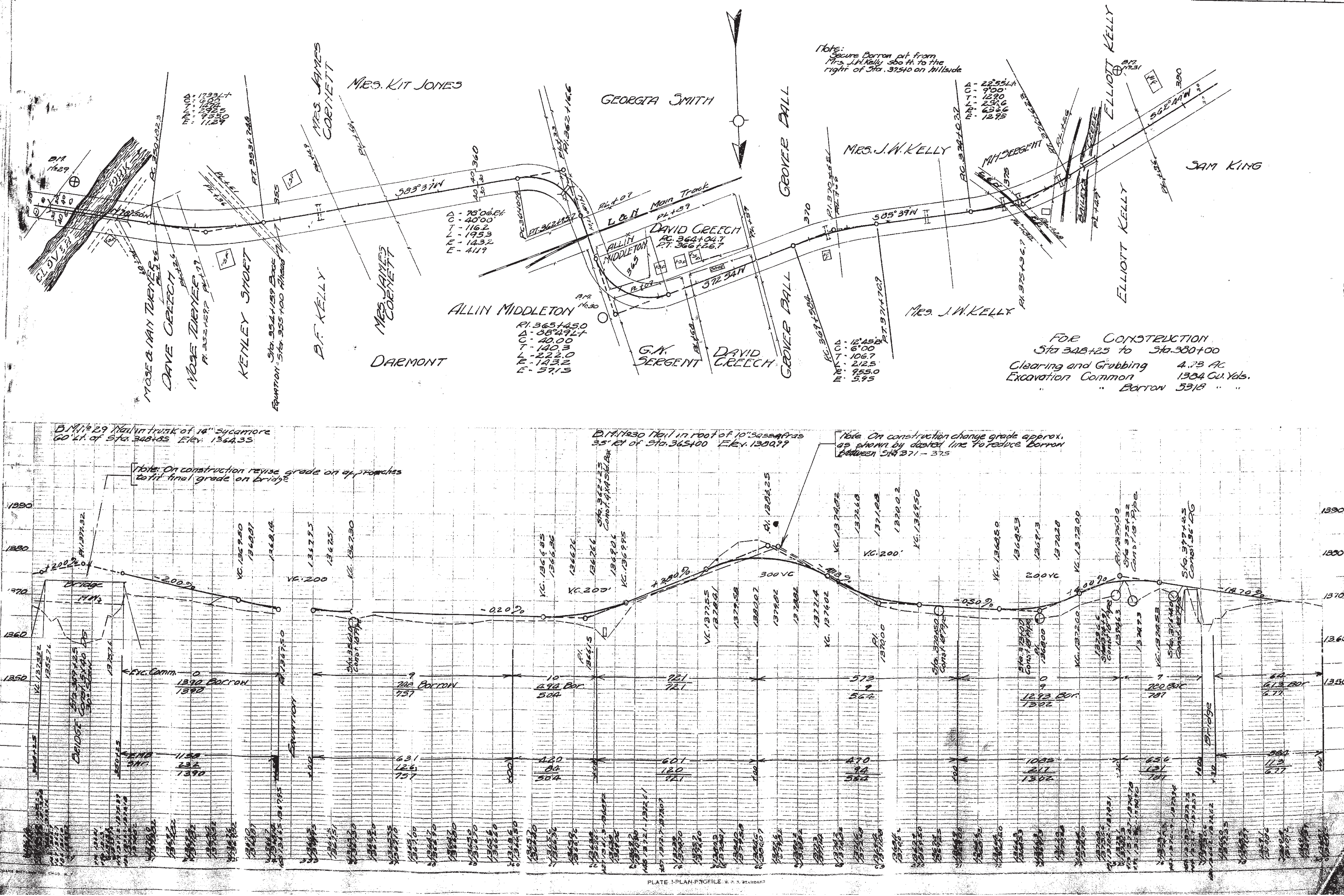

COUNTY OF HARLAN | STATE PROJ. NO. 113 | SECTION A | FISCAL YEAR 1925 | SHEET NO. 7 | TOTAL SHEETS 79
SULLIVAN FIELDS
CLOVER FORK OF CUMBERLAND RIVER
ANN FIELDS
BEN GILBERT
LIZZIE BETTY SHORT
Δ 2°30' Rt. C 1°00 T 125.0 L 250.0 R 5730.0 E 1.4
Δ 25°30' Lt. C 10°00 T 129.7 L 255.0 R 573.0 E 14.49
Δ 34°19' Lt. C 6°00 T 294.9 L 571.9 R 955.0 E 44.35
Δ 14°19' Lt. C 6°00 T 119.9 L 238.6 R 955.0 E 7.5
For Construction
Sta 255+00 to Sta. 284+85
Clearing and Grubbing 4.66 Ac.
Excavation Common 4188 Cu. Yds.
Solid Rock 7522
Common Borrow 1026
Overhaul 2010 Yd. Sta.
B.M. No 24 Nail in fork 24" Sycamore 30' Rt. Sta. 264+00 Elev. 1204.51
B.M. No 25 Nail in root of 20" Elm. 25' Lt. Sta. 274+20 Elev. 1412.92
Overhaul 2501 Yd. St.
PLATE 1-PLAN-PROFILE

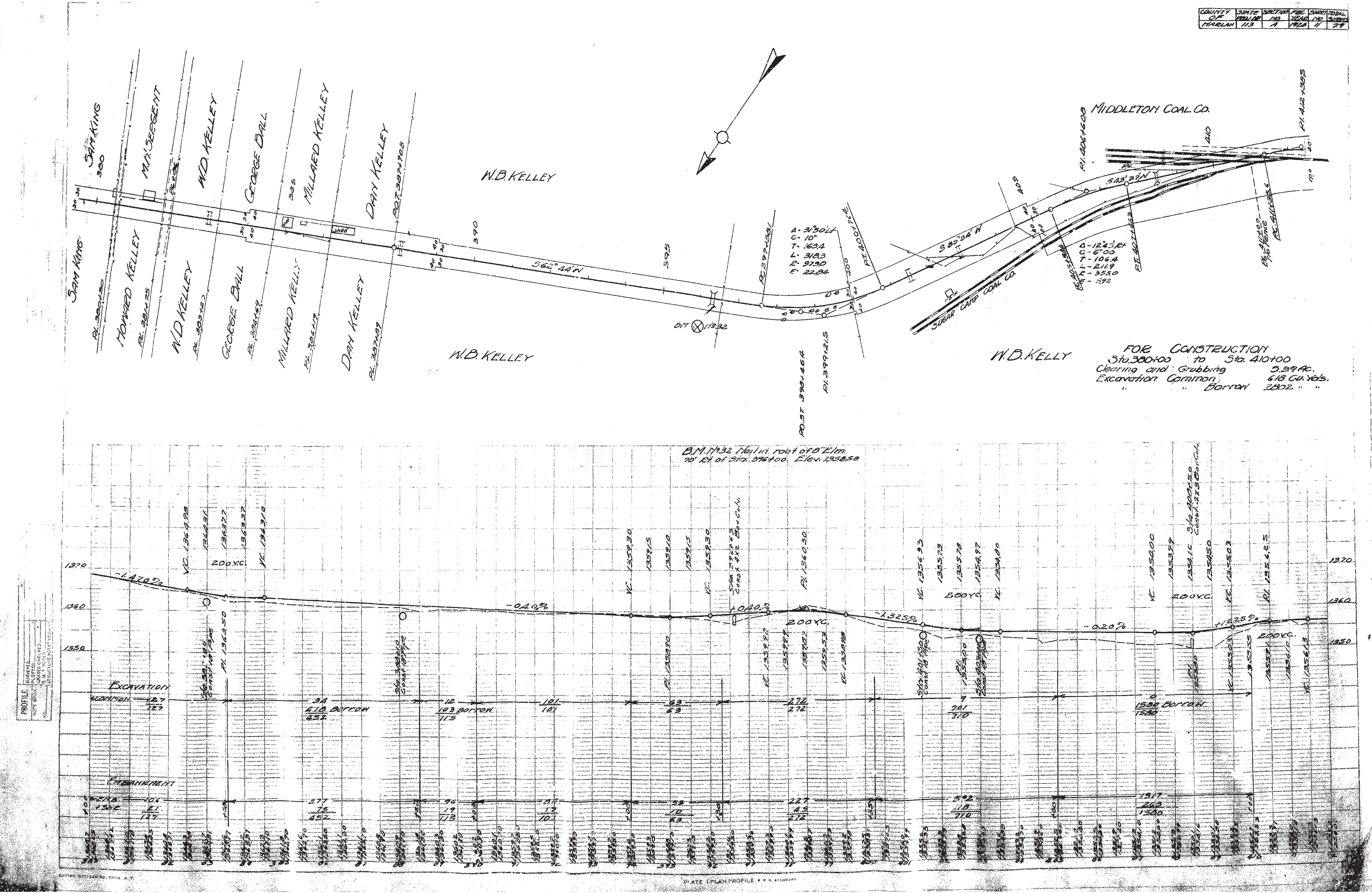


COUNTY OF HARLAN | STATE PROJ. NO. 113 | SECTION A | FISCAL YEAR 1928 | SHEET NO. 8 | TOTAL SHEETS 79
S.W. KELLY
LIZZIE BETTY SHORT
CLOVER FORK OF CUMBERLAND RIVER
CLIFF
B.M. No 26
B.M. No 27
P.O.C. 287+00
P.O.C. 290+00
P.O.C. 291+25
P.I. 289+41.6
P.C. 285+75.0
P.I. 296+12.2
P.T. 292+69.9
P.C. 294+71.3
P.T. 297+51.0
P.C. 299+21.0
P.O.C. 300+50
P.O.C. 302+00
P.I. 302+24.6
P.O.C. 303+30.0
P.O.C. 304+50.0
P.O.T. 305+46.6
P.T. 305+93
P.C. 307+58
P.T. 309+64
P.I. 308+61.0
P.O.T. 310+18.3
P.C. 312+11.1
P.T. 313+26.7
P.I. 313+91.6
N 78°12'W
N 52°16'W
N 48°02'W
Δ=45°10' Rt. C=6.30 T=366.6 L=694.87 R=881.53 E=73.21
Note: Length of curve given as 712.8 in field notes
Δ=16°47' Rt. C=6.00 T=140.9 L=279.7 R=955.0 E=10.33
Δ=23°56' Rt. C=4°00 T=303.6 L=598.3 R=1432.5 E=31
Δ=6°14' Rt. C=3°00 T=104.0 L=207.8 R=1910.0 E=2.83
Δ=69°26' Lt. C=22.00 T=180.5 L=315.6 R=260.5 E=56.41
FOR CONSTRUCTION
Sta. 284+85 to Sta. 315+00
Clearing and Grubbing 5.21 Ac.
Excavation Common 6722 Cu. Yds.
" Solid Rock 21569 " "
B.M. No 26 Nail in body of 30" Birch 60' Rt. Sta. 291+00 Elev. 1380.56
B.M. No 27 Nail in root of 8" poplar stump 35' Rt. of Sta. 314+25 Elev. 1392.84
Exc. Com. 399
S. Rock 2
Shell 401 TOTAL
+0.85%
-0.675%
-0.48%
+1.40%
-1.675%
200 V.C.
Sta. 298+09 Const. 18" Pipe
Sta. 302+50 Const. 18" Pipe
Sta. 290+00 Const. 18" Pipe
Const. 3x3 Std. Box
P.I. 1392.50
PLATE I-PLAN-PROFILE
PROFILE

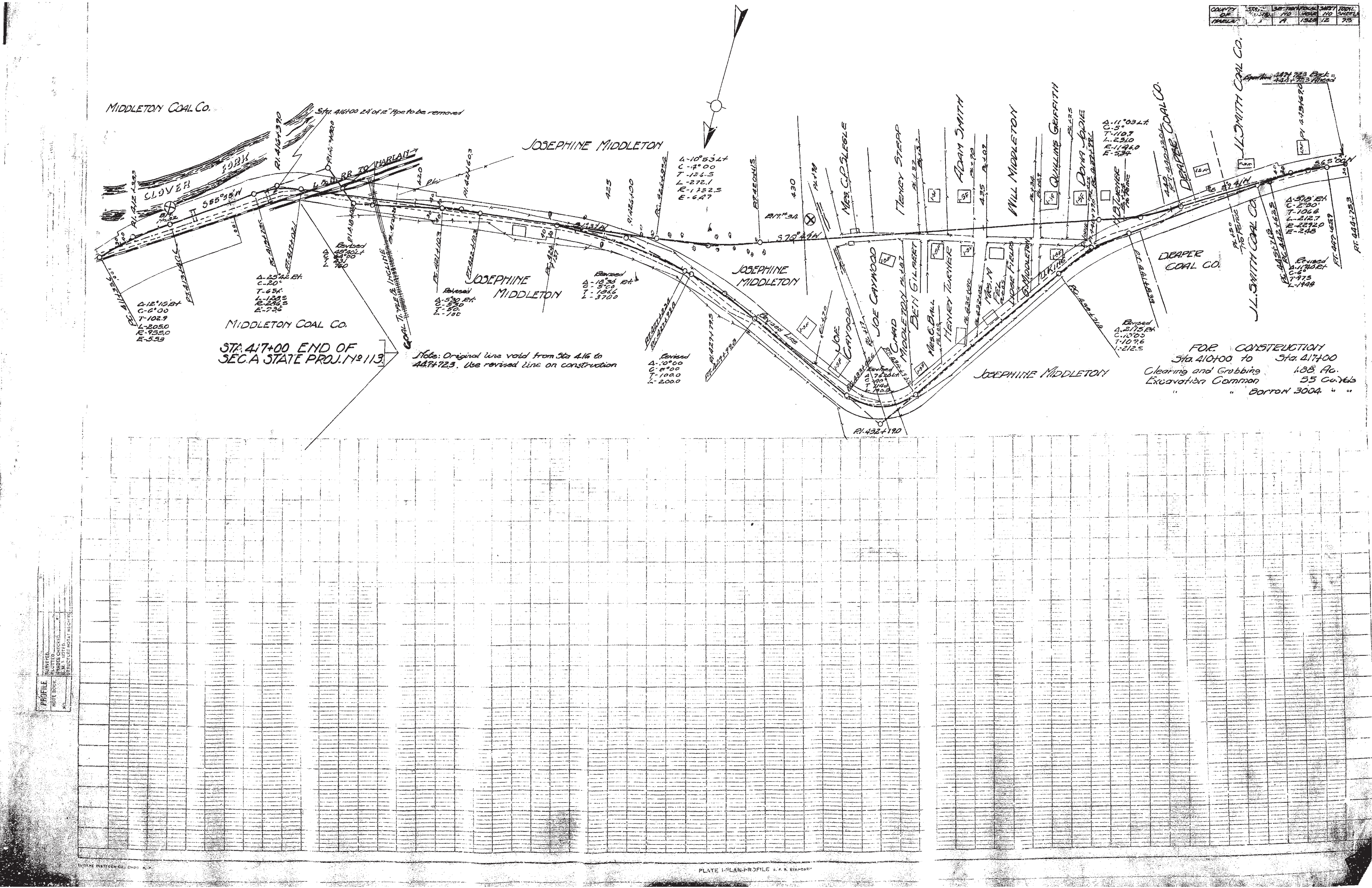


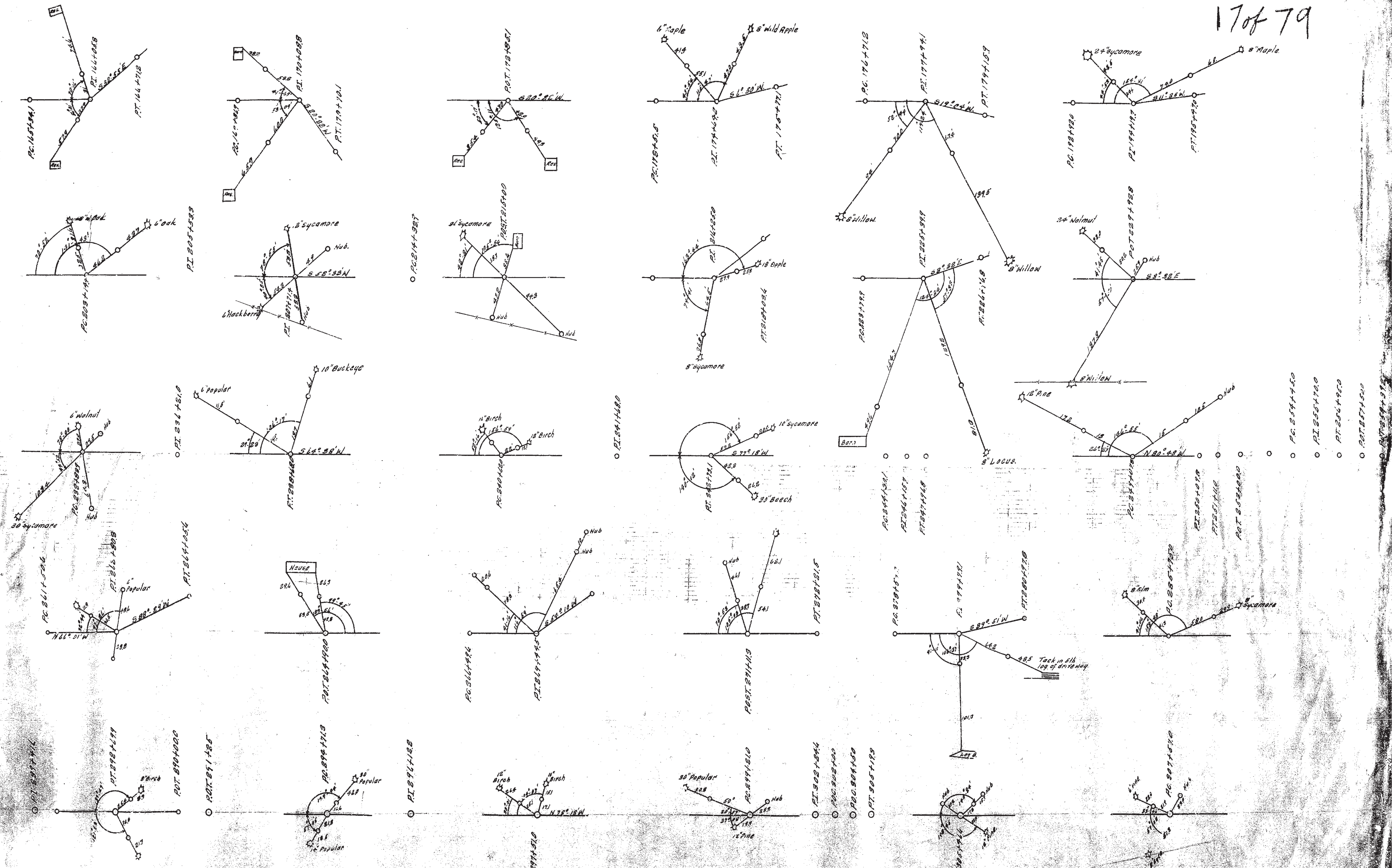
NOTE: See final construction plans for Revision Sta. 342+37.51 to 417+89.4
| COUNTY OF | STATE PROJ. NO. | SECTION NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HARLAN | 113 | A | 1928 | 9 | 79 |
S.W. KELLY
JAMES TURNER
ELIJAH CREECH
JOHN GILBERT
MARY MIDDLETON
A.Z. KELLY
D.C. KELLY
E.H. SERGENT
SAM SHORT
P.O.T. 333+07.6
P.O.T. 324+50.0
P.I. 322+59.8
P.C. 321+21.5
P.T. 323+95.1
P.C. 337+28.7
P.T. 339+77.0
P.I. 343+01.6
P.I. 346+61.5
S 62° 32' W
S 46° 07' W
S 38° 40' W
FOR CONSTRUCTION
Sta. 315+00 to Sta. 342+72.5
Clearing and Grubbing 4.65 Ac.
Excavation Common 5071 Cu. Yds.
Solid Rock 2589
Common Borrow 28
Overhaul 3127 Yd. Sta.
B.M. No. 28 Nail in root of 10" Elm stump 30' Lt. of Sta. 333+25 Elev. 1408.58
Note: On construction investigate high water at Sta. 344+00 and raise grade above high water conditions
P.I. 1406.80
200 V.C.
300 V.C.
PROFILE
PLATE 1-PLAN-PROFILE

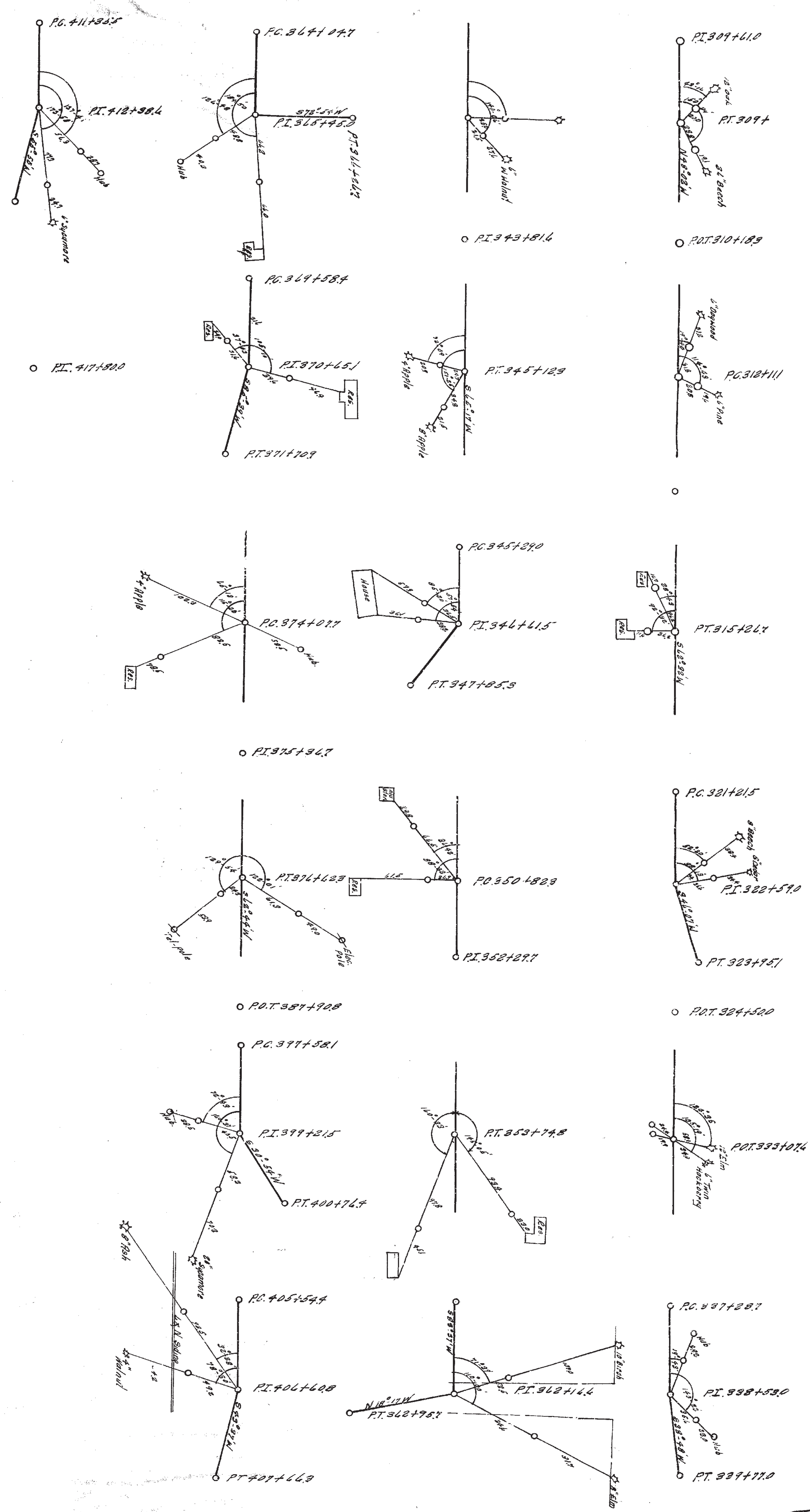

County of Harlan | 113 | Section A | Fisc. Year 1935 | Sheet No. 10 | Total Sheets 79
Note: Secure Borrow pit from Mrs. J.W. Kelly 350 ft. to the right of Sta. 375+10 on hillside
Mrs. Kit Jones
Georgia Smith
Grover Ball
Mrs. J.W. Kelly
Elliott Kelly
Sam King
M.H. Sergent
Mrs. James Cornett
Allin Middleton
Mose & Ivan Turner
Dave Creech
Mose Turner
Kenley Short
B.F. Kelly
Darmont
G.K. Sergent
David Creech
L & N Main Track
Clover Fork
Equation: Sta. 354+159 Back = Sta. 355+00 Ahead
For Construction
Sta 348+25 to Sta 380+00
Clearing and Grubbing 4.73 Ac
Excavation Common 1384 Cu. Yds.
" Borrow 5318 " "
B.M. No. 29 Nail in trunk of 14" Sycamore 60' Lt. of Sta. 348+85 Elev. 1364.35
Note: On construction revise grade on approaches to fit final grade on bridge
B.M. No. 30 Nail in root of 10" Sassafras 35' Rt. of Sta. 365+00 Elev. 1380.99
Note: On construction change grade approx. as shown by dashed line to reduce Borrow between Sta 371 - 375
Bridge
Equation
Exc. Comm.
Borrow
Profile
Surveyed
Plotted
Grades Checked
B.M.'s Noted
Note Book
PLATE 1-PLAN-PROFILE



COUNTY OF HARLAN | STATE ROUTE NO 113 | SECTION NO A | FED. YEAR 1928 | SHEET NO 11 | TOTAL SHEETS 29
MIDDLETON COAL CO.
SUGAR CAMP COAL CO.
SAM KING
M.H. SERGENT
HOWARD KELLEY
W.D. KELLEY
GEORGE BALL
MILLARD KELLEY
DAN KELLEY
W.B. KELLEY
W.B. KELLY
S 62° 44' W
S 80° 34' W
S 43° 37' W
PI. 380+50
PI. 381+75
PI. 383+23
PI. 384+69
PI. 386+19
PI. 387+89
POT. 387+908
PC. 397+58.1
PI. 399+21.5
PO.ST. 398+46.4
PT. 400+76.2
PI. 406+60.8
PT. 407+66.3
PI. 412+38.5
Δ - 31°30' Lt
C - 10°
T - 163.4
L - 318.3
R - 573.0
E - 22.84
Δ - 12°43' Rt
C - 6°00
T - 106.4
L - 211.9
R - 955.0
E - 5.92
FOR CONSTRUCTION
Sta. 380+00 to Sta. 410+00
Clearing and Grubbing 5.39 Ac.
Excavation Common 618 Cu. Yds.
" " Borrow 2802 " "
B.M. No 32 Nail in root of 8" Elm
70' Rt. of Sta. 396+00 Elev. 1358.58
-1.420%
-0.40%
+0.40%
-1.325%
-0.20%
+1.225%
200 V.C.
EXCAVATION
EMBANKMENT
PROFILE
PLATE E PLAN-PROFILE


MIDDLETON COAL CO.
CLOVER FORK
Sta. 416+00 24' of 12" Pipe to be removed
L.&N. RR TO HARLAN
JOSEPHINE MIDDLETON
MIDDLETON COAL CO.
STA. 417+00 END OF
SEC. A STATE PROJ. No 113
Note: Original line void from Sta 4.16 to 447+72.3. Use revised line on construction
COAL TIPPLE & INCLINE
Revised Line
MRS. C.P. SLEGLE
JOE CAYWOOD
CHAD MIDDLETON
HENRY STEPP
BEN GILBERT
MRS. C. BALL
HENRY TURNER
ADAM SMITH
WILL MIDDLETON
QUILLINS GRIFFITH
DORA JODIE
DRAPER COAL CO.
J.L. SMITH COAL CO.
FOR CONSTRUCTION
Sta. 410+00 to Sta. 417+00
Clearing and Grubbing 1.88 Ac.
Excavation Common 55 Cu. Yds
" " Borrow 3004 " "
PROFILE
PLATE 1-PLAN-PROFILE


8" Wild Apple
24" Sycamore
8" Maple
8" Willow
8" Willow
34" Walnut
10" Buckeye
6" Walnut
30" Sycamore
8" Sycamore
8" Locus.
House
Tack in 5th log of driveway



P.C. 411+86.5
P.I. 412+88.4
6" Sycamore
Hub
P.C. 364+04.7
P.I. 365+45.0
S75°54'W
P.T. 366+66.7
Hub
P.I. 343+81.6
6" Walnut
P.T. 309+61.0
P.I. 309+
10" Oak
24" Beech
N48°22'W
P.O.T. 310+18.9
P.C. 369+58.4
P.I. 370+65.1
P.T. 371+70.9
Res.
P.I. 417+80.0
P.I. 345+12.9
4" Apple
8" Apple
S46°17'W
6" Dogwood
P.C. 312+11.1
6" Pine
P.C. 374+07.7
4" Apple
Hub
Res.
P.C. 345+29.0
P.I. 346+61.5
P.T. 347+85.3
House
P.T. 315+26.7
S62°32'W
P.I. 375+36.7
P.I. 376+62.3
Elec. Pole
Tel. pole
P.C. 350+82.3
P.I. 352+29.7
P.C. 321+21.5
8" Beech
8" Cedar
P.I. 322+59.0
S46°07'W
P.T. 323+95.1
P.O.T. 387+90.8
P.O.T. 324+52.0
P.C. 397+58.1
P.I. 399+21.5
P.T. 400+76.4
24" Sycamore
Hub
P.T. 353+74.8
P.O.T. 333+07.4
12" Elm
6" Twin Hackberry
8" Ash
P.C. 405+54.4
P.I. 406+60.8
L&N Siding
4" Walnut
P.T. 407+66.3
N18°17'W
P.I. 362+14.4
P.T. 362+95.7
10" Birch
8" Elm
P.C. 337+28.7
P.I. 338+53.0
P.T. 339+77.0
Hub

18479

Appendix H – Structure Inventory and Appraisal Sheets

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 048B00086N

*****IDENTIFICATION*****	
(1) STATENAME:	**KENTUCKY**
(5) INVENTORY ROUTE (ON/UNDER):	**131000380**
(2) DISTRICT AGENCY DISTRICT:	**11**
(3) COUNTY CODE: **48** (4) PLACECODE:	**0000**
(6) FEATURES INTERSECTED:	**CLOVER FORK OF CUMBERLAN**
(9) LOCATION:	**.35 MI S.W. OF JCT KY 215**
(11) MILE POINT:	**8.18**
(7) FACILITY CARRIED:	**KY-38**
(12) BASE HIGHWAY NETWORK:	
(13) LRS INVENTORY ROUTE & SUBROUTE:	
(16) LATITUDE:	**36.864165991 N DEGREES**
(17) LONGITUDE:	**-83.197910036 W DEGREES**
(98) BORDER BRIDGE STATECODE **Unknown -** %SHARED:	**Unknown**
(99) BORDER BRIDGE STRUCTURE NUMBER:	

*****STRUCTURE TYPE AND MATERIAL*****	
(43) STRUCTURE TYPE MAIN:	**302 - Steel Stringer/Multi-beam or Girder**
(44) STRUCTURE TYPE APPR:	**!0 -Not Coded**
(45) NUMBER OF SPANS IN MAIN UNIT:	**4**
(46) NUMBER OF APPROACH SPANS:	**0**
(107) DECK STRUCTURE TYPE	**1 - Concrete Cast-in-Place**
(108) WEARING SURFACE/PROTECTIVE SYSTEM	
(108A) TYPE OF WEARING SURFACE:	**3 - Latex Concrete or similar additive**
(108B) TYPE OF MEMBRANE:	**8 - Unknown**
(108C) TYPE OF DECK PROTECTION:	**8 - Unknown**

*****AGE AND SERVICE*****	
(27) YEAR BUILT:	**1967**
(106) YEAR RECONSTRUCTED:	**0**
(42A) TYPE OF SERVICE-ON:	**1 - Highway**
(42B) TYPE OF SERVICE-UNDER	**5 - Waterway**
(28) LANES ON STRUCTURE: **2** UNDER STRUCTURE:	**0**
(29) AVERAGE DAILY TRAFFIC: **6870**	
(30) YEAR OF ADT: **2010** (109) TRUCK ADT%:	**9**
(19) BYPASS DETOUR LENGTH:	**9.9 mi.**

*****GEOMETRIC DATA*****	
(48) LENGTH OF MAXIMUM SPAN:	**78.3 ft.**
(49) STRUCTURE LENGTH:	**196.0 ft.**
(50) CURB OR SIDE WALK LEFT: **1.3 ft.** RIGHT:	**4.3 ft.**
(51) BRIDGE ROADWAY WIDTH CURB TO CURB:	**33.5 ft.**
(52) DECK WIDTH OUT TO OUT:	**40.0 ft.**
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS):	**25.9**
(33) BRIDGE MEDIAN:	**No**
(34) SKEW: **15** STRUCTURED FLARED:	**Yes**
(10) INVENTORY ROUTE MIN VERT CLEAR:	**100.0 ft.**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR:	**33.1 ft.**
(53) MIN VERT CLEAR OVER BRIDGE RDWY:	**99.99 ft.**
(54) MIN VER UNDER CLEAR REF: **N** **(b) 0 ft.**	
(55) MIN LAT UNDER CLEAR RT REF: **N** **(b) 0 ft.**	
(56) MIN LAT UNDER CLEAR LEFT:	**0 ft.**

*****NAVIGATION DATA*****	
(38) NAVIGATION CONTROL	**0 - No navigation control on waterway**
(111) PIER PROTECTION:	**- Not Coded**
(39) NAVIGATION VERTICAL CLEARENCE:	**0.0 ft.**
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEARENCE:	**0.0 ft.**
(40) NAVIGATION HORIZONTAL CLEARENCE:	**0.0 ft.**
SUFFICIENCY RATING:	**76.70**
STATUS:	**0 - Not Deficient**

*****CLASSIFICATION*****	
(112) NBIS BRIDGE LENGTH:	**Yes**
(104) HIGHWAY SYSTEM:	**0 - Inventory Route is not on the NHS**
(26) FUNCTIONAL CLASS	**07 - Major Collector**
(100) STRAHNET HIGHWAY:	**0 - The inventory route is not a STRAHNET route**
(101) PARALLEL STRU	**N - No parallel structure exists**
(103) TEMPORARY STRUCTURE:	**Not Applicable**
(102) DIRECTION OF T	**2 - 2-way traffic**
(105) FEDERAL LANDS HIGHWAYS:	**0 - Not applicable**
(110) DESIGNATED NATIONAL NETWORK:	**0 - The inventory route is not part of the national network for trucks**
(20) TOLL:	**3 - On Free Road**
(21) MAINTAIN:	**01 - Not Coded**
(22) OWNER:	**01 - State Highway Agency**
(37) HISTORICAL SIGNIFICANCE:	**5 - Bridge is not eligible for the National Register of Historic Places**

*****CONDITION*****	
(58) DECK:	**7**
(59) SUPERSTRUCTURE:	**6**
(60) SUBSTRUCTURE:	**6**
(61) CHANNEL AND CHANNEL PROTECTION:	**5**
(62) CULVERTS:	**N**

*****LOAD RATING AND POSTING*****	
(31) DESIGN LOAD:	**5 - HS 20**
(63) OPERATING RATING METHOD:	**2 - Allowable Stress**
(64) OPERATING RATING:	**59.0 Tons**
(65) INVENTORY RATING METHOD:	**2 - Allowable Stress**
(66) INVENTORY RATING:	**32.0 Tons**
(70) BRIDGE POSTING:	**5 - Equal to or above the legal loads**
(41) STRUCTURE OPEN, POSTED OR CLOSED:	**P - Posted for load**

*****APPRAISAL*****	
(67) STRUCTURAL EVALUATION:	**5**
(68) DECK GEOMETRY:	**4**
(69) UNDERCLEARENCE, VERTICAL & HORIZONTAL:	**N**
(71) WATERWAY ADEQUACY:	**8**
(36) TRAFFIC SAFETY FEATURES:	**0000**
(113) SCOUR CRITICAL BRIDGES:	**8**

*****PROPOSED IMPROVEMENTS*****	
(75) TYPE OF WORK:	**Unknown**
(76) LENGTH OF STRUCTURE IMPROVEMENT:	**0 ft.**
(94) BRIDGE IMPROVEMENT COST:	**$0.00**
(95) ROADWAY IMPROVEMENT COST:	**$0.00**
(96) TOTAL PROJECTION COST:	**$0.00**
(97) YEAR OF IMPROVEMENT COST ESTIMATE:	
(114) FUTURE ADT:	**8244**
(115) YEAR OF FUTURE ADT:	**2030**

*****INSPECTIONS*****	
(90 INSPECTION DATE:	**9/27/2011**
(92) CRITICAL FEATURE INSPECTION:	
(92A) FRACTURE CRITICAL DETAIL:	**N**
(92B) UNDERWATER INSPECTION:	**N**
(92C) OTHER SPECIAL INSP:	**N**
(91) FREQUENCY:	**24 months**
(93) CFI DATE:	
(93A):	**1/1/1901**
(93B):	**1/1/1901**
(93C):	**1/1/1901**

048B00086N CEZX

KYTC Bridge Inspection Report

Summary:

Inspection Date:	7/26/2007
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 11/7/2007

Inspector Signature:

District Reviewer: TBALL (21)

IDENTIFICATION

Bridge ID (8):	048B00086N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.18	**Feature Intersected (6):**	CLOVER FORK OF CUMBERLAN
Location (9):	.35 MI S.W. OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	196 Foot - 4 Span Steel Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	6
Superstructure (59):	6
Substructure (60):	6
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			7/26/2007	**(91):**	24 mos	07/2009
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	7/26/2009

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	44	45	47	55	
Field Posting:	-1	44	45	53	-1
Posting Status (41):	P Posted for load				
Signs Posted:	**Cardinal:** Y		**Non-Cardinal:** Y		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	5
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place							
Wearing Surface/Protective System (108):	**Type:**	3	**Membrane:**	8	**Protection:**	8		
Traffic Safety Features (36):	**Bridge Rail:**	1	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	Y							
Overlay Type:	Latex							
Overlay Thickness:	1.50							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	89.00	**SD/FO:**	0 Not Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
107/1	Paint Stl Opn Girder	LF	1,120.00	670.00	400.00	50.00	0.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date: 7/26/2007
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
Element: Y
Fracture Critical: N
Underwater: N
Other Special: N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
110/1	R/Conc Open Girder	LF	300.00	200.00	100.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	12.00	12.00	0.00	0.00	0.00	0.00
210/1	R/Conc Pier Wall	LF	59.00	0.00	59.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	114.00	24.00	90.00	0.00	0.00	0.00
22/1	P Conc Deck/Rigid Ov	SF	6,882.00	6,882.00	0.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	164.00	114.00	50.00	0.00	0.00	0.00
304/1	Open Expansion Joint	LF	105.00	0.00	0.00	105.00	0.00	0.00
311/1	Moveable Bearing	EA	28.00	9.00	11.00	8.00	0.00	0.00
331/1	Conc Bridge Railing	LF	392.00	0.00	392.00	0.00	0.00	0.00
357/1	Pack Rust Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	0.00	0.00	1.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
503/1	RC Curb	LF	196.00	0.00	196.00	0.00	0.00	0.00
505/1	RC Sidewalk	LF	196.00	0.00	196.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	1.00	0.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	1.00	0.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00
613/1	Vegetation	EA	1.00	1.00	0.00	0.00	0.00	0.00
614/1	Eros Contr	EA	1.00	0.00	0.00	1.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	107/1	Paint Stl Opn Girder	DUE TO RUST VAR. LOC.
1	110/1	R/Conc Open Girder	DUE TO STRESS CRKS IN BMS W. SPAN
1	205/1	R/Conc Column	COLUMNS IN GOOD SHAPE
1	210/1	R/Conc Pier Wall	DUE TO STREAMWEAR @ PIERS
1	215/1	R/Conc Abutment	DUE TO CRKS & SCALING
1	22/1	P Conc Deck/Rigid Ov	SURFACE IN GOOD SHAPE
1	234/1	R/Conc Cap	DUE TO CRKS, SCALING IN CAPS
1	304/1	Open Expansion Joint	JOINTS CONTAIN SILT, LEAKING

048B00086N CEZX

KYTC Bridge Inspection Report

Summary:

Inspection Date:	7/26/2007
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	311/1	Moveable Bearing	DUE TO VARYING DEGREES OF RUST & SECT. LOSS
1	331/1	Conc Bridge Railing	DUE TO MINOR SCALING, SOME STEEL EXP.
1	357/1	Pack Rust Smart Flag	PACK RUST IS VERY MINOR
1	359/1	Soffit Smart Flag	LEACHING W/ CRKS UNDERNEATH
1	361/1	Scour Smart Flag	STREAMWEAR @ PIERS
1	503/1	RC Curb	DUE TO MINOR SCALING
1	505/1	RC Sidewalk	DUE TO MINOR SCALING
1	606/1	Drains	DRAINS OPEN
1	610/1	Chan Drift	DAM UPSTREAM, CREEKROCK
1	611/1	Embankment Erosion	EROSION UPSTREAM,DOWNSTREAM
1	612/1	Chan Algn	CHANNEL AIMS @ W. CTR PIER
1	613/1	Vegetation	VEGETATION NEEDS CUT, BUT IS OF NO STRUCTURAL PROBLEM TO BRIDGE
1	614/1	Eros Contr	RIP RAP WASHING OUT

BRIDGE.Notes

-47.4

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E93999E-0000005F	Approved	High	Unassigned	31	304	7/26/2007
A-KYTC-0E93999E-00000061	Under Review	High	Unassigned	33	311	7/26/2007
A-KYTC-0E93999E-00000063	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E93999E-00000069	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E93999E-0000006B	Under Review	High	Unassigned	41	612	7/26/2007
A-KYTC-0E93999E-0000006D	Approved	High	Unassigned	31	614	7/26/2007
A-KYTC-0E93999E-00000071	Under Review	High	Unassigned	34	107	7/26/2007

048B00086N GODD

KYTC Bridge Inspection Report

Summary:

Inspection Date:	9/27/2011
Inspector:	MFROST (28)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date:

Inspector Signature:

District Reviewer: ()

IDENTIFICATION

Bridge ID (8):	048B00086N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.18	**Feature Intersected (6):**	CLOVER FORK OF CUMBERLAN
Location (9):	.35 MI S.W. OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	196 Foot - 4 Span Steel Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	7
Superstructure (59):	6
Substructure (60):	6
Culverts (62):	N
Channel/Protection (61):	5

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			9/27/2011	**(91):**	24 mos	09/2013
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	9/27/2013

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	44	45	47	55	
Field Posting:	-1	44	45	53	-1
Posting Status (41):	P Posted for load				
Signs Posted:	**Cardinal:** Y		**Non-Cardinal:** Y		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	5
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place							
Wearing Surface/Protective System (108):	**Type:**	3	**Membrane:**	8	**Protection:**	8		
Traffic Safety Features (36):	**Bridge Rail:**	0	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	Y							
Overlay Type:	Latex							
Overlay Thickness:	1.50							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	76.70	**SD/FO:**	0 Not Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
107/1	Paint Stl Opn Girder	LF	1,120.00	1,025.00	50.00	45.00	0.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date:	9/27/2011
Inspector:	MFROST (28)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
110/1	R/Conc Open Girder	LF	300.00	200.00	100.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	7.00	3.00	4.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	122.00	100.00	22.00	0.00	0.00	0.00
22/1	P Conc Deck/Rigid Ov	SF	5,433.00	5,433.00	0.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	159.00	130.00	29.00	0.00	0.00	0.00
302/3	Compressn Joint Seal	LF	105.00	0.00	105.00	0.00	0.00	0.00
311/1	Moveable Bearing	EA	28.00	7.00	21.00	0.00	0.00	0.00
331/1	Conc Bridge Railing	LF	392.00	0.00	392.00	0.00	0.00	0.00
356/1	Steel Fatigue SmFlag	EA	1.00	1.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
503/1	RC Curb	LF	196.00	0.00	196.00	0.00	0.00	0.00
505/1	RC Sidewalk	LF	196.00	0.00	196.00	0.00	0.00	0.00
602/1	Vibrati/Oscillation	EA	1.00	1.00	0.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	1.00	0.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	1.00	0.00	0.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	1.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	107/1	Paint Stl Opn Girder	CORROSION WORSE AT EXTERIOR BEARING AREAS , THE OLD JOINT LOCATIONS ALSO AT OLD DECK PROBLEMS AT THIS TIME MOST OF THE PAINT IS INTACT
1	110/1	R/Conc Open Girder	DUE TO STRESS CRKS IN BMS W. SPAN
1	205/1	R/Conc Column	DUE TO STREAMWEAR
1	215/1	R/Conc Abutment	DUE TO CRKS & SCALING
1	22/1	P Conc Deck/Rigid Ov	SURFACE IN GOOD SHAPE, BUT W/ SUPERFICIAL CRKS RECENT OVERLAY
1	234/1	R/Conc Cap	DUE TO CRKS, MINOR SCALING IN CAPS
1	302/3	Compressn Joint Seal	DEBRI FILLED
1	311/1	Moveable Bearing	DUE TO RUST & CORROSION MOST LOC.
1	331/1	Conc Bridge Railing	MINOR SCALING, SOME STEEL EXP.

048B00086N GODD

KYTC Bridge Inspection Report

Summary:

Inspection Date: 9/27/2011
Inspector: MFROST (28)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	356/1	Steel Fatigue SmFlag	SAG IN BMS
1	359/1	Soffit Smart Flag	MINOR LEACHING W/ CRACKING SOME OLDER EFFLORESCENCE UNDERNEATH
1	361/1	Scour Smart Flag	STREAMWEAR AT PIERS
1	503/1	RC Curb	SCALING WEATHERING SOME MINOR IMPACTS
1	505/1	RC Sidewalk	SCALING WEATHERING
1	602/1	Vibrati/Oscillation	NOTICEABLE UNDER TRUCKS
1	606/1	Drains	10 DRAINS OPEN
1	610/1	Chan Drift	CREEKROCK OUTLET OLD DAM/WATER WORKS STRUCTURE UP STREAM 150 YDS
1	611/1	Embankment Erosion	MINOR EROSION UP & DOWNSTREAM
1	612/1	Chan Algn	CHANNEL BEARS ON PIER 2

BRIDGE.Notes

-47.4

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E93999E-0000005F	Approved	High	Unassigned	31	304	7/26/2007
A-KYTC-0E93999E-00000061	Under Review	High	Unassigned	33	311	7/26/2007
A-KYTC-0E93999E-00000063	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E93999E-00000069	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E93999E-0000006B	Under Review	High	Unassigned	41	612	7/26/2007
A-KYTC-0E93999E-0000006D	Approved	High	Unassigned	31	614	7/26/2007
A-KYTC-0E93999E-00000071	Under Review	High	Unassigned	34	107	7/26/2007

048B00086N OTDX

KYTC Bridge Inspection Report

Summary:

Inspection Date:	9/30/2009
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: **11/12/2009**

District Reviewer: **MFROST (28)**

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00086N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.18	**Feature Intersected (6):**	CLOVER FORK OF CUMBERLAN
Location (9):	.35 MI S.W. OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	196 Foot - 4 Span Steel Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	6
Superstructure (59):	5
Substructure (60):	6
Culverts (62):	N
Channel/Protection (61):	5

SCHEDULE TAB

Schedule:	Required (Y/N)		Last Date		Frequency	Next Date
NBI (90):			9/30/2009	**(91):**	24 mos	09/2011
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	9/30/2011

Load Rating and Posting

Truck Type	Typ I	Typ II	Typ III	Typ IV	Gross
Recomm. Posting:	44	45	47	55	
Field Posting:	-1	44	45	53	-1
Posting Status (41):	P Posted for load				
Signs Posted:	Cardinal: Y		Non-Cardinal: Y		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	5
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place						
Wearing Surface/Protective System (108):	**Type:** 3	**Membrane:**	8	**Protection:**	8		
Traffic Safety Features (36):	**Bridge Rail:** 1	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	Y						
Overlay Type:	Latex						
Overlay Thickness:	1.50						

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	76.70	**SD/FO:**	0 Not Deficient

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
107/1	Paint Stl Opn Girder	LF	1,120.00	400.00	450.00	230.00	40.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date: 9/30/2009
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
Element: Y
Fracture Critical: N
Underwater: N
Other Special: N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
110/1	R/Conc Open Girder	LF	300.00	200.00	100.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	7.00	3.00	4.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	122.00	100.00	22.00	0.00	0.00	0.00
22/1	P Conc Deck/Rigid Ov	SF	5,433.00	5,433.00	0.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	159.00	130.00	29.00	0.00	0.00	0.00
304/1	Open Expansion Joint	LF	105.00	0.00	105.00	0.00	0.00	0.00
311/1	Moveable Bearing	EA	28.00	7.00	14.00	7.00	0.00	0.00
331/1	Conc Bridge Railing	LF	392.00	0.00	392.00	0.00	0.00	0.00
356/1	Steel Fatigue SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
357/1	Pack Rust Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
358/1	Deck Cracking SmFlag	EA	1.00	1.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	0.00	0.00	1.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
503/1	RC Curb	LF	196.00	0.00	196.00	0.00	0.00	0.00
505/1	RC Sidewalk	LF	196.00	0.00	196.00	0.00	0.00	0.00
602/1	Vibrati/Oscillation	EA	1.00	0.00	1.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	1.00	0.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	1.00	0.00	0.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	1.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	107/1	Paint Stl Opn Girder	DUE TO RUST W/ CORROSION MOST. LOC. SECT. LOSS @ E. ABUT. & MIDSPAN BOTH SPANS
1	110/1	R/Conc Open Girder	DUE TO STRESS CRKS IN BMS W. SPAN
1	205/1	R/Conc Column	DUE TO STREAMWEAR
1	215/1	R/Conc Abutment	DUE TO CRKS & SCALING
1	22/1	P Conc Deck/Rigid Ov	SURFACE IN GOOD SHAPE, BUT W/ SUPERFICIAL CRKS
1	234/1	R/Conc Cap	DUE TO CRKS, MINOR SCALING IN CAPS
1	304/1	Open Expansion Joint	JOINTS CONTAIN SILT THROUGHOUT, LEAKING
1	311/1	Moveable Bearing	DUE TO RUST & CORROSION MOST LOC.

048B00086N OTDX

KYTC Bridge Inspection Report

Summary:

Inspection Date: 9/30/2009
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
Element: Y
Fracture Critical: N
Underwater: N
Other Special: N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	331/1	Conc Bridge Railing	DUE TO MINOR SCALING, SOME STEEL EXP.
1	356/1	Steel Fatigue SmFlag	DUE TO SUPERFICIAL SAG IN BMS
1	357/1	Pack Rust Smart Flag	PACK RUST IS VERY MINOR
1	358/1	Deck Cracking SmFlag	DUE TO SUPERFICIAL DECK CRKS
1	359/1	Soffit Smart Flag	LEACHING W/ CRKS, EFFLORESCENCE UNDERNEATH
1	361/1	Scour Smart Flag	STREAMWEAR @ PIERS
1	503/1	RC Curb	DUE TO SCALING
1	505/1	RC Sidewalk	DUE TO SCALING
1	602/1	Vibrati/Oscillation	NOTICEABLE UNDER TRUCKS
1	606/1	Drains	10 DRAINS OPEN
1	610/1	Chan Drift	CREEKROCK @ OUTLET E. SIDE
1	611/1	Embankment Erosion	EROSION UP & DOWNSTREAM
1	612/1	Chan Algn	CHANNEL AIMS @ W. PIER

BRIDGE.Notes

-47.4

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E93999E-0000005F	Approved	High	Unassigned	31	304	7/26/2007
A-KYTC-0E93999E-00000061	Under Review	High	Unassigned	33	311	7/26/2007
A-KYTC-0E93999E-00000063	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E93999E-00000069	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E93999E-0000006B	Under Review	High	Unassigned	41	612	7/26/2007
A-KYTC-0E93999E-0000006D	Approved	High	Unassigned	31	614	7/26/2007
A-KYTC-0E93999E-00000071	Under Review	High	Unassigned	34	107	7/26/2007

KYTC Bridge Inspection Report

Summary:

Inspection Date: 11/1/2005
Inspector: TFARMER (10)
Primary Type: SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: **11/9/2005**
District Reviewer: **TFARMER (10)**

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00086N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.18	**Feature Intersected (6):**	CLOVER FORK OF CUMBERLAN
Location (9):	.35 MI S.W. OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	196 Foot - 4 Span Steel Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	7
Superstructure (59):	5
Substructure (60):	6
Culverts (62):	N
Channel/Protection (61):	5

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			11/1/2005	**(91):**	12 mos	11/2006
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	1/1/1901

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	44	45	47	55	
Field Posting:	-1	49	50	58	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** Y		**Non-Cardinal:** Y		

WATERWAY

Scour Critical (113):	
Observed 113 Rating:	_
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107): 1 Concrete-Cast-In-Place

Wearing Surface/Protective System (108): **Type:** 3 **Membrane:** 8 **Protection:** 8

Traffic Safety Features (36): **Bridge Rail:** 1 **Transition:** 0 **Appr. Rail:** 0 **Rail Ends:** 0

Overlay: Y

Overlay Type: Latex

Overlay Thickness: 0.00

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR: 77.10 **SD/FO:** 0 Not Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
/		ERROR						

048B00086N PHIM

KYTC Bridge Inspection Report

Summary:

Inspection Date: 11/1/2005
Inspector: TFARMER (10)
Primary Type: SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
	/		

BRIDGE.Notes

-47.4

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E93999E-0000005F	Approved	High	Unassigned	31	304	7/26/2007
A-KYTC-0E93999E-00000061	Under Review	High	Unassigned	33	311	7/26/2007
A-KYTC-0E93999E-00000063	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E93999E-00000069	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E93999E-0000006B	Under Review	High	Unassigned	41	612	7/26/2007
A-KYTC-0E93999E-0000006D	Approved	High	Unassigned	31	614	7/26/2007
A-KYTC-0E93999E-00000071	Under Review	High	Unassigned	34	107	7/26/2007

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 048B00158N

*****IDENTIFICATION*****	
(1) STATENAME:	**KENTUCKY**
(5) INVENTORY ROUTE (ON/UNDER):	**131000380**
(2) DISTRICT AGENCY DISTRICT:	**11**
(3) COUNTY CODE: **48** (4) PLACECODE:	**0000**
(6) FEATURES INTERSECTED:	**YOCUM CREEK**
(9) LOCATION:	**.05 MI.NE JCT KY 215**
(11) MILE POINT:	**8.56**
(7) FACILITY CARRIED:	**KY-38**
(12) BASE HIGHWAY NETWORK:	
(13) LRS INVENTORY ROUTE & SUBROUTE:	
(16) LATITUDE:	**36.872493722 N DEGREES**
(17) LONGITUDE:	**-83.465789376 W DEGREES**
(98) BORDER BRIDGE STATECODE **Unknown -** %SHARED:	**Unknown**
(99) BORDER BRIDGE STRUCTURE NUMBER:	

*****STRUCTURE TYPE AND MATERIAL*****	
(43) STRUCTURE TYPE MAIN:	**602 - Prestressed concrete continuous Stringer/Multi-beam or Girder**
(44) STRUCTURE TYPE APPR:	**!0 -Not Coded**
(45) NUMBER OF SPANS IN MAIN UNIT:	**2**
(46) NUMBER OF APPROACH SPANS:	**0**
(107) DECK STRUCTURE TYPE	**1 - Concrete Cast-in-Place**
(108) WEARING SURFACE/PROTECTIVE SYSTEM	
(108A) TYPE OF WEARING SURFACE:	**1 - Monolithic Concrete**
(108B) TYPE OF MEMBRANE:	**0 - None**
(108C) TYPE OF DECK PROTECTION:	**1 - Epoxy Coated Reinforcing**

*****AGE AND SERVICE*****	
(27) YEAR BUILT:	**1994**
(106) YEAR RECONSTRUCTED:	**0**
(42A) TYPE OF SERVICE-ON:	**1 - Highway**
(42B) TYPE OF SERVICE-UNDER	**5 - Waterway**
(28) LANES ON STRUCTURE: **2** UNDER STRUCTURE:	**0**
(29) AVERAGE DAILY TRAFFIC: **3760**	
(30) YEAR OF ADT: **2010** (109) TRUCK ADT%:	**9**
(19) BYPASS DETOUR LENGTH:	**55 mi.**

*****GEOMETRIC DATA*****	
(48) LENGTH OF MAXIMUM SPAN:	**43.0 ft.**
(49) STRUCTURE LENGTH:	**86.0 ft.**
(50) CURB OR SIDE WALK LEFT: **1.5 ft.** RIGHT:	**1.5 ft.**
(51) BRIDGE ROADWAY WIDTH CURB TO CURB:	**24.0 ft.**
(52) DECK WIDTH OUT TO OUT:	**27.0 ft.**
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS):	**20.0**
(33) BRIDGE MEDIAN:	**No**
(34) SKEW: **0** STRUCTURED FLARED:	**No**
(10) INVENTORY ROUTE MIN VERT CLEAR:	**100.0 ft.**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR:	**23.9 ft.**
(53) MIN VERT CLEAR OVER BRIDGE RDWY:	**99.99 ft.**
(54) MIN VER UNDER CLEAR REF: **N** **(b) 0 ft.**	
(55) MIN LAT UNDER CLEAR RT REF: **N** **(b) 0 ft.**	
(56) MIN LAT UNDER CLEAR LEFT:	**0 ft.**

*****NAVIGATION DATA*****	
(38) NAVIGATION CONTROL	**0 - No navigation control on waterway**
(111) PIER PROTECTION:	**- Not Coded**
(39) NAVIGATION VERTICAL CLEARENCE:	**0.0 ft.**
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEARENCE:	**0.0 ft.**
(40) NAVIGATION HORIZONTAL CLEARENCE:	**0.0 ft.**
SUFFICIENCY RATING:	**63.50**
STATUS:	**2 - Functionally Obsolete**

*****CLASSIFICATION*****	
(112) NBIS BRIDGE LENGTH:	**Yes**
(104) HIGHWAY SYSTEM:	**0 - Inventory Route is not on the NHS**
(26) FUNCTIONAL CLASS	**07 - Major Collector**
(100) STRAHNET HIGHWAY:	**0 - The inventory route is not a STRAHNET route**
(101) PARALLEL STRU	**N - No parallel structure exists**
(103) TEMPORARY STRUCTURE:	**Not Applicable**
(102) DIRECTION OF T	**2 - 2-way traffic**
(105) FEDERAL LANDS HIGHWAYS:	**0 - Not applicable**
(110) DESIGNATED NATIONAL NETWORK:	**0 - The inventory route is not part of the national network for trucks**
(20) TOLL:	**3 - On Free Road**
(21) MAINTAIN:	**01 - Not Coded**
(22) OWNER:	**01 - State Highway Agency**
(37) HISTORICAL SIGNIFICANCE:	**5 - Bridge is not eligible for the National Register of Historic Places**

*****CONDITION*****	
(58) DECK:	**6**
(59) SUPERSTRUCTURE:	**7**
(60) SUBSTRUCTURE:	**6**
(61) CHANNEL AND CHANNEL PROTECTION:	**4**
(62) CULVERTS:	**N**

*****LOAD RATING AND POSTING*****	
(31) DESIGN LOAD:	**9 - HS 25**
(63) OPERATING RATING METHOD:	**1 - Load Factor**
(64) OPERATING RATING:	**72.0 Tons**
(65) INVENTORY RATING METHOD:	**1 - Load Factor**
(66) INVENTORY RATING:	**56.0 Tons**
(70) BRIDGE POSTING:	**5 - Equal to or above the legal loads**
(41) STRUCTURE OPEN, POSTED OR CLOSED:	**A - Open, no restriction**

*****APPRAISAL*****	
(67) STRUCTURAL EVALUATION:	**6**
(68) DECK GEOMETRY:	**2**
(69) UNDERCLEARENCE, VERTICAL & HORIZONTAL:	**N**
(71) WATERWAY ADEQUACY:	**9**
(36) TRAFFIC SAFETY FEATURES:	**1000**
(113) SCOUR CRITICAL BRIDGES:	**8**

*****PROPOSED IMPROVEMENTS*****	
(75) TYPE OF WORK:	**Unknown**
(76) LENGTH OF STRUCTURE IMPROVEMENT:	**ft.**
(94) BRIDGE IMPROVEMENT COST:	
(95) ROADWAY IMPROVEMENT COST:	
(96) TOTAL PROJECTION COST:	
(97) YEAR OF IMPROVEMENT COST ESTIMATE:	
(114) FUTURE ADT:	**4512**
(115) YEAR OF FUTURE ADT:	**2030**

*****INSPECTIONS*****	
(90 INSPECTION DATE:	**8/19/2011**
(92) CRITICAL FEATURE INSPECTION:	
(92A) FRACTURE CRITICAL DETAIL:	**N**
(92B) UNDERWATER INSPECTION:	**N**
(92C) OTHER SPECIAL INSP:	**N**
(91) FREQUENCY:	**24 months**
(93) CFI DATE:	
(93A):	**1/1/1901**
(93B):	**1/1/1901**
(93C):	**1/1/1901**

KYTC Bridge Inspection Report

Summary:

Inspection Date: 7/26/2007
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 3/4/2008
District Reviewer: TBALL (21)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00158N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.56	**Feature Intersected (6):**	YOCUM CREEK
Location (9):	.05 MI.NE JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	86 Foot - 2 Span Prestressed concrete continuous Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	7
Superstructure (59):	8
Substructure (60):	7
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			7/26/2007	**(91):**	24 mos	07/2009
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	7/26/2008

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	27	34	40	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** N		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	6
Waterway Adeq. (71):	9

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place							
Wearing Surface/Protective System (108):	**Type:**	1	**Membrane:**	0	**Protection:**	1		
Traffic Safety Features (36):	**Bridge Rail:**	1	**Transition:**	1	**Appr. Rail:**	1	**Rail Ends:**	1
Overlay:	N							
Overlay Type:	-1							
Overlay Thickness:	0.00							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR: 77.70 **SD/FO:** 2 Functionally Obsolete

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
109/1	P/S Conc Open Girder	LF	340.00	340.00	0.00	0.00	0.00	0.00

KYTC Bridge Inspection Report

Summary:	
Inspection Date:	7/26/2007
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:	
National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
12/1	Bare Concrete Deck	SF	2,064.00	2,064.00	0.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	2.00	2.00	0.00	0.00	0.00	0.00
210/1	R/Conc Pier Wall	LF	13.00	13.00	0.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	70.00	43.00	27.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	23.00	23.00	0.00	0.00	0.00	0.00
310/1	Elastomeric Bearing	EA	12.00	12.00	0.00	0.00	0.00	0.00
331/1	Conc Bridge Railing	LF	177.00	117.00	60.00	0.00	0.00	0.00
334/1	Metal Rail Coated	LF	38.00	38.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	0.00	0.00	1.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	1.00	0.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	1.00	0.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	1.00	0.00	0.00	0.00
613/1	Vegetation	EA	1.00	1.00	0.00	0.00	0.00	0.00
614/1	Eros Contr	EA	1.00	1.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	109/1	P/S Conc Open Girder	BMS IN GOOD SHAPE
1	12/1	Bare Concrete Deck	SURFACE IN GOOD SHAPE
1	205/1	R/Conc Column	COLUMNS IN GOOD SHAPE
1	210/1	R/Conc Pier Wall	PIERWALL IN GOOD SHAPE
1	215/1	R/Conc Abutment	DUE TO STREAMWEAR W. ABUT.
1	234/1	R/Conc Cap	PIERCAP IN GOOD SHAPE
1	310/1	Elastomeric Bearing	BRGS IN GOOD SHAPE
1	331/1	Conc Bridge Railing	DUE TO SCALING, HL CRKS
1	334/1	Metal Rail Coated	RAIL IN GOOD SHAPE
1	359/1	Soffit Smart Flag	DECK UNDERNEATH IN GOOD SHAPE
1	361/1	Scour Smart Flag	DUE TO STREAMWEAR W. ABUT. NO MAJOR PROBLEM

048B00158N EFOS

KYTC Bridge Inspection Report

Summary:

Inspection Date: 7/26/2007
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
Element: Y
Fracture Critical: N
Underwater: N
Other Special: N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	606/1	Drains	DRAINS BLOCKED, NEED CLEANED
1	610/1	Chan Drift	DRIFT @ INLET @ PIER. CREEKROCK @ OUTLET
1	611/1	Embankment Erosion	EROSION @ UPSTREAM,DOWNSTREAM NOT A MAJOR PROBLEM
1	612/1	Chan Algn	W. SPAN CARRIES ALL FLOW.
1	613/1	Vegetation	VEGETATION NEEDS CUT, BUT NOT A STRUCTURAL PROBLEM TO BRIDGE
1	614/1	Eros Contr	EROSION CONTROL WALL IN GOOD SHAPE

BRIDGE.Notes

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E94E6F7-00000081	Under Review	High	Unassigned	41	606	7/26/2007
A-KYTC-0E94E6F7-00000083	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E94E6F7-00000085	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E94E6F7-00000087	Under Review	High	Unassigned	41	612	7/26/2007

KYTC Bridge Inspection Report

Summary:
Inspection Date: 11/1/2005
Inspector: TFARMER (10)
Primary Type: SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 11/9/2005
District Reviewer: TFARMER (10)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00158N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.56	**Feature Intersected (6):**	YOCUM CREEK
Location (9):	.05 MI.NE JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	86 Foot - 2 Span Prestressed concrete continuous Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	7
Superstructure (59):	8
Substructure (60):	7
Culverts (62):	N
Channel/Protection (61):	5

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			11/1/2005	**(91):**	12 mos	11/2006
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	1/1/1901

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	27	34	40	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** N		

WATERWAY

Scour Critical (113):	
Observed 113 Rating:	_
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107): 1 Concrete-Cast-In-Place
Wearing Surface/Protective System (108): **Type:** 1 **Membrane:** 0 **Protection:** 1
Traffic Safety Features (36): **Bridge Rail:** 1 **Transition:** 1 **Appr. Rail:** 1 **Rail Ends:** 0
Overlay: Y
Overlay Type: -1
Overlay Thickness: 0.00

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR: 77.70 **SD/FO:** 2 Functionally Obsolete

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
/		ERROR						

048B00158N PHIM

KYTC Bridge Inspection Report

Summary:

Inspection Date:	11/1/2005
Inspector:	TFARMER (10)
Primary Type:	SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
	/		

BRIDGE.Notes

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E94E6F7-00000081	Under Review	High	Unassigned	41	606	7/26/2007
A-KYTC-0E94E6F7-00000083	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E94E6F7-00000085	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E94E6F7-00000087	Under Review	High	Unassigned	41	612	7/26/2007

048B00158N SNTI

KYTC Bridge Inspection Report

Summary:

Inspection Date:	9/29/2009
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: **11/12/2009**

Inspector Signature:

District Reviewer: **MFROST (28)**

IDENTIFICATION

Bridge ID (8):	048B00158N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.56	**Feature Intersected (6):**	YOCUM CREEK
Location (9):	.05 MI.NE JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	86 Foot - 2 Span Prestressed concrete continuous Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	7
Superstructure (59):	8
Substructure (60):	6
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			9/29/2009	**(91):**	24 mos	09/2011
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	9/29/2011

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	27	34	40	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:**	N	**Non-Cardinal:**	N	

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	5
Waterway Adeq. (71):	9

DECK/WEARING SURFACE

Deck Type (107): 1 Concrete-Cast-In-Place

Wearing Surface/Protective System (108): **Type:** 1 **Membrane:** 0 **Protection:** 1

Traffic Safety Features (36): **Bridge Rail:** 1 **Transition:** 1 **Appr. Rail:** 1 **Rail Ends:** 1

Overlay: N

Overlay Type: -1

Overlay Thickness: 0.00

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR: 65.50 **SD/FO:** 2 Functionally Obsolete

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
109/1	P/S Conc Open Girder	LF	340.00	340.00	0.00	0.00	0.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date: 9/29/2009
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
12/1	Bare Concrete Deck	SF	2,064.00	2,064.00	0.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	2.00	1.00	1.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	74.00	50.00	24.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	23.00	23.00	0.00	0.00	0.00	0.00
310/1	Elastomeric Bearing	EA	12.00	12.00	0.00	0.00	0.00	0.00
331/1	Conc Bridge Railing	LF	178.00	108.00	70.00	0.00	0.00	0.00
334/1	Metal Rail Coated	LF	25.00	25.00	0.00	0.00	0.00	0.00
358/1	Deck Cracking SmFlag	EA	1.00	1.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	1.00	0.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00
614/1	Eros Contr	EA	1.00	1.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	109/1	P/S Conc Open Girder	BMS IN GOOD SHAPE
1	12/1	Bare Concrete Deck	SURFACE IN GOOD SHAPE, BUT W/ SUPERFICIAL CRKS, WORN
1	205/1	R/Conc Column	OUTLET COLUMN BAD STREAMWEAR
1	215/1	R/Conc Abutment	DUE TO STREAMWEAR, SCALING W. ABUT.
1	234/1	R/Conc Cap	PIERCAP IN GOOD SHAPE
1	310/1	Elastomeric Bearing	BRGS IN GOOD SHAPE
1	331/1	Conc Bridge Railing	DUE TO SCALING, CRKS, WORSE UPSTREAM SIDE
1	334/1	Metal Rail Coated	RAIL IN GOOD SHAPE
1	358/1	Deck Cracking SmFlag	DUE TO DECK CRKS
1	359/1	Soffit Smart Flag	DECK UNDERNEATH IN GOOD SHAPE
1	361/1	Scour Smart Flag	DUE TO STREAMWEAR W. ABUT.
1	606/1	Drains	2 DRAINS W/ DEBRIS, 6 DRAINS BLOCKED

048B00158N SNTI

KYTC Bridge Inspection Report

Summary:

Inspection Date:	9/29/2009
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	610/1	Chan Drift	@ INLET @ PIER. SEDIMENT @ E. SPAN, CREEKROCK @ W. ABUT.
1	611/1	Embankment Erosion	EROSION UPSTREAM, DOWNSTREAM
1	612/1	Chan Algn	CHANNEL AIMS @ PIER. W. SPAN CARRIES ALL FLOW
1	614/1	Eros Contr	IN GOOD SHAPE

BRIDGE.Notes

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E94E6F7-00000081	Under Review	High	Unassigned	41	606	7/26/2007
A-KYTC-0E94E6F7-00000083	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E94E6F7-00000085	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E94E6F7-00000087	Under Review	High	Unassigned	41	612	7/26/2007

048B00158N UKQR

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/19/2011
Inspector:	TBALL (21)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 9/1/2011

District Reviewer: MFROST (28)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00158N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	8.56	**Feature Intersected (6):**	YOCUM CREEK
Location (9):	.05 MI.NE JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	86 Foot - 2 Span Prestressed concrete continuous Stringer/Multi-beam or Girder		

NBI CONDITION

Deck (58):	6
Superstructure (59):	7
Substructure (60):	6
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			8/19/2011	**(91):**	24 mos	08/2013
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	8/19/2013

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	27	34	40	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	**A Open, no restriction**				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** N		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	5
Waterway Adeq. (71):	9

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place						
Wearing Surface/Protective System (108):	**Type:** 1	**Membrane:**	0	**Protection:**	1		
Traffic Safety Features (36):	**Bridge Rail:** 1	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	N						
Overlay Type:	-1						
Overlay Thickness:	0.00						

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	63.50	**SD/FO:**	2 Functionally Obsolete

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
109/1	P/S Conc Open Girder	LF	340.00	338.00	2.00	0.00	0.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/19/2011
Inspector:	TBALL (21)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
12/1	Bare Concrete Deck	SF	2,064.00	0.00	2,064.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	2.00	1.00	1.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	74.00	50.00	24.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	23.00	21.00	2.00	0.00	0.00	0.00
310/1	Elastomeric Bearing	EA	12.00	12.00	0.00	0.00	0.00	0.00
331/1	Conc Bridge Railing	LF	178.00	108.00	70.00	0.00	0.00	0.00
334/1	Metal Rail Coated	LF	25.00	25.00	0.00	0.00	0.00	0.00
358/1	Deck Cracking SmFlag	EA	1.00	1.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	1.00	0.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00
614/1	Eros Contr	EA	1.00	1.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	109/1	P/S Conc Open Girder	Beams good
1	12/1	Bare Concrete Deck	SUPERFICIAL CRKS, WORN
1	205/1	R/Conc Column	Some streamwear. Pier 2 upstream some cracking in concrete perhaps due to drift impact during high water flow.
1	215/1	R/Conc Abutment	DUE TO STREAMWEAR, SCALING W. ABUT.
1	234/1	R/Conc Cap	PIERCAP IN GOOD SHAPE
1	310/1	Elastomeric Bearing	BRGS IN GOOD SHAPE
1	331/1	Conc Bridge Railing	DUE TO SCALING, CRKS, WORSE UPSTREAM SIDE
1	334/1	Metal Rail Coated	GOOD SHAPE
1	358/1	Deck Cracking SmFlag	DUE TO DECK CRKS
1	359/1	Soffit Smart Flag	DECK UNDERNEATH IN GOOD SHAPE
1	606/1	Drains	2 DRAINS W/ DEBRIS, 6 DRAINS BLOCKED
1	610/1	Chan Drift	@ INLET @ PIER. SEDIMENT @ E. SPAN, CREEKROCK @ W. ABUT.

048B00158N UKQR

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/19/2011
Inspector:	TBALL (21)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	611/1	Embankment Erosion	EROSION UPSTREAM, DOWNSTREAM
1	612/1	Chan Algn	CHANNEL AIMS @ PIER. W. SPAN CARRIES ALL FLOW
1	614/1	Eros Contr	IN GOOD SHAPE

BRIDGE.Notes

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E94E6F7-00000081	Under Review	High	Unassigned	41	606	7/26/2007
A-KYTC-0E94E6F7-00000083	Under Review	High	Unassigned	41	610	7/26/2007
A-KYTC-0E94E6F7-00000085	Under Review	High	Unassigned	40	611	7/26/2007
A-KYTC-0E94E6F7-00000087	Under Review	High	Unassigned	41	612	7/26/2007

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 048B00012N

*****IDENTIFICATION*****	
(1) STATENAME:	**KENTUCKY**
(5) INVENTORY ROUTE (ON/UNDER):	**131000380**
(2) DISTRICT AGENCY DISTRICT:	**11**
(3) COUNTY CODE: **48** (4) PLACECODE:	**0000**
(6) FEATURES INTERSECTED:	**CLOVER FK CUMBERLAND RVR**
(9) LOCATION:	**4.1 MI EAST OF JCT KY 215**
(11) MILE POINT:	**12.83**
(7) FACILITY CARRIED:	**KY-38**
(12) BASE HIGHWAY NETWORK:	
(13) LRS INVENTORY ROUTE & SUBROUTE:	
(16) LATITUDE:	**36.896740948 N DEGREES**
(17) LONGITUDE:	**-83.139866322 W DEGREES**
(98) BORDER BRIDGE STATECODE **Unknown -** %SHARED:	**Unknown**
(99) BORDER BRIDGE STRUCTURE NUMBER:	

*****STRUCTURE TYPE AND MATERIAL*****	
(43) STRUCTURE TYPE MAIN:	**104 - Concrete Tee Beam**
(44) STRUCTURE TYPE APPR:	**!Not Applicable -Not Coded**
(45) NUMBER OF SPANS IN MAIN UNIT:	**3**
(46) NUMBER OF APPROACH SPANS:	**0**
(107) DECK STRUCTURE TYPE	**1 - Concrete Cast-in-Place**
(108) WEARING SURFACE/PROTECTIVE SYSTEM	
(108A) TYPE OF WEARING SURFACE:	**3 - Latex Concrete or similar additive**
(108B) TYPE OF MEMBRANE:	**0 - None**
(108C) TYPE OF DECK PROTECTION:	**0 - None**

*****AGE AND SERVICE*****	
(27) YEAR BUILT:	**1938**
(106) YEAR RECONSTRUCTED:	**0**
(42A) TYPE OF SERVICE-ON:	**1 - Highway**
(42B) TYPE OF SERVICE-UNDER	**5 - Waterway**
(28) LANES ON STRUCTURE: **2** UNDER STRUCTURE:	**0**
(29) AVERAGE DAILY TRAFFIC: **3760**	
(30) YEAR OF ADT: **2010** (109) TRUCK ADT%:	**9**
(19) BYPASS DETOUR LENGTH:	**45 mi.**

*****GEOMETRIC DATA*****	
(48) LENGTH OF MAXIMUM SPAN:	**50.0 ft.**
(49) STRUCTURE LENGTH:	**160.0 ft.**
(50) CURB OR SIDE WALK LEFT: **1.7 ft.** RIGHT:	**1.7 ft.**
(51) BRIDGE ROADWAY WIDTH CURB TO CURB:	**20.0 ft.**
(52) DECK WIDTH OUT TO OUT:	**23.5 ft.**
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS):	**20.0**
(33) BRIDGE MEDIAN:	**No**
(34) SKEW: **45** STRUCTURED FLARED:	**Yes**
(10) INVENTORY ROUTE MIN VERT CLEAR:	**100.0 ft.**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR:	**19.6 ft.**
(53) MIN VERT CLEAR OVER BRIDGE RDWY:	**99.99 ft.**
(54) MIN VER UNDER CLEAR REF: **N** **(b) 0 ft.**	
(55) MIN LAT UNDER CLEAR RT REF: **N** **(b) 0 ft.**	
(56) MIN LAT UNDER CLEAR LEFT:	**0 ft.**

*****NAVIGATION DATA*****	
(38) NAVIGATION CONTROL	**0 - No navigation control on waterway**
(111) PIER PROTECTION:	**1 - Navigation protection not required**
(39) NAVIGATION VERTICAL CLEARENCE:	**0.0 ft.**
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEARENCE:	**0.0 ft.**
(40) NAVIGATION HORIZONTAL CLEARENCE:	**0.0 ft.**
SUFFICIENCY RATING:	**49.80**
STATUS:	**1 - Structurally Deficient**

*****CLASSIFICATION*****	
(112) NBIS BRIDGE LENGTH:	**Yes**
(104) HIGHWAY SYSTEM:	**0 - Inventory Route is not on the NHS**
(26) FUNCTIONAL CLASS	**07 - Major Collector**
(100) STRAHNET HIGHWAY:	**0 - The inventory route is not a STRAHNET route**
(101) PARALLEL STRU	**N - No parallel structure exists**
(103) TEMPORARY STRUCTURE:	**Not Applicable**
(102) DIRECTION OF T	**2 - 2-way traffic**
(105) FEDERAL LANDS HIGHWAYS:	**0 - Not applicable**
(110) DESIGNATED NATIONAL NETWORK:	**0 - The inventory route is not part of the national network for trucks**
(20) TOLL:	**3 - On Free Road**
(21) MAINTAIN:	**01 - Not Coded**
(22) OWNER:	**01 - State Highway Agency**
(37) HISTORICAL SIGNIFICANCE:	**5 - Bridge is not eligible for the National Register of Historic Places**

*****CONDITION*****	
(58) DECK:	**4**
(59) SUPERSTRUCTURE:	**5**
(60) SUBSTRUCTURE:	**5**
(61) CHANNEL AND CHANNEL PROTECTION:	**4**
(62) CULVERTS:	**N**

*****LOAD RATING AND POSTING*****	
(31) DESIGN LOAD:	**2 - H 15**
(63) OPERATING RATING METHOD:	**2 - Allowable Stress**
(64) OPERATING RATING:	**36.0 Tons**
(65) INVENTORY RATING METHOD:	**2 - Allowable Stress**
(66) INVENTORY RATING:	**36.0 Tons**
(70) BRIDGE POSTING:	**4 - 0.1 - 9.9% below**
(41) STRUCTURE OPEN, POSTED OR CLOSED:	**P - Posted for load**

*****APPRAISAL*****	
(67) STRUCTURAL EVALUATION:	**5**
(68) DECK GEOMETRY:	**2**
(69) UNDERCLEARENCE, VERTICAL & HORIZONTAL:	**N**
(71) WATERWAY ADEQUACY:	**8**
(36) TRAFFIC SAFETY FEATURES:	**1000**
(113) SCOUR CRITICAL BRIDGES:	**8**

*****PROPOSED IMPROVEMENTS*****	
(75) TYPE OF WORK:	**341**
(76) LENGTH OF STRUCTURE IMPROVEMENT:	**15.7 ft.**
(94) BRIDGE IMPROVEMENT COST:	**$421,000.00**
(95) ROADWAY IMPROVEMENT COST:	**$429,000.00**
(96) TOTAL PROJECTION COST:	**$850,000.00**
(97) YEAR OF IMPROVEMENT COST ESTIMATE:	**1999**
(114) FUTURE ADT:	**4512**
(115) YEAR OF FUTURE ADT:	**2030**

*****INSPECTIONS*****	
(90 INSPECTION DATE:	**10/13/2009**
(92) CRITICAL FEATURE INSPECTION:	
(92A) FRACTURE CRITICAL DETAIL:	**N**
(92B) UNDERWATER INSPECTION:	**N**
(92C) OTHER SPECIAL INSP:	**N**
(91) FREQUENCY:	**24 months**
(93) CFI DATE:	
(93A):	**1/1/1901**
(93B):	**1/1/1901**
(93C):	**1/1/1901**

048B00012N NUJI

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/13/2009
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 11/12/2009

District Reviewer: MFROST (28)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00012N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.83	**Feature Intersected (6):**	CLOVER FK CUMBERLAND RVR
Location (9):	4.1 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	160 Foot - 3 Span Concrete Tee Beam		

NBI CONDITION

Deck (58):	4
Superstructure (59):	5
Substructure (60):	5
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	Required (Y/N)		Last Date		Frequency	Next Date
NBI (90):			10/13/2009	(91):	24 mos	10/2011
Fracture Critical (92A):	N	(93A):	1/1/1901	(92A):	mos	1/1/1901
Underwater (92B):	N	(93B):	1/1/1901	(92B):	mos	1/1/1901
Other Special (92C):	N	(93C):	1/1/1901	(92C):	mos	1/1/1901
Elemental:	NA				24 mos	10/13/2011

Load Rating and Posting

Truck Type	Typ I	Typ II	Typ III	Typ IV	Gross
Recomm. Posting:	44	45	49	64	
Field Posting:	-1	45	46	60	-1
Posting Status (41):	P Posted for load				
Signs Posted:	Cardinal: Y		Non-Cardinal: Y		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	5
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place						
Wearing Surface/Protective System (108):	**Type:** 3	**Membrane:**	0	**Protection:**	0		
Traffic Safety Features (36):	**Bridge Rail:** 1	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	Y						
Overlay Type:	Latex						
Overlay Thickness:	-1.00						

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	49.80	**SD/FO:**	1 Structurally Deficient

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
110/1	R/Conc Open Girder	LF	650.00	500.00	140.00	10.00	0.00	0.00

048B00012N NUJI

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/13/2009
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
205/1	R/Conc Column	EA	6.00	1.00	5.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	135.00	75.00	60.00	0.00	0.00	0.00
22/1	P Conc Deck/Rigid Ov	SF	3,240.00	0.00	0.00	0.00	3,240.00	0.00
234/1	R/Conc Cap	LF	72.00	12.00	40.00	20.00	0.00	0.00
301/1	Pourable Joint Seal	LF	56.00	0.00	28.00	28.00	0.00	0.00
331/1	Conc Bridge Railing	LF	324.00	0.00	310.00	14.00	0.00	0.00
358/1	Deck Cracking SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	0.00	0.00	0.00	1.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
503/1	RC Curb	LF	324.00	0.00	320.00	4.00	0.00	0.00
604/1	2nd Elem Dist	EA	1.00	1.00	0.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	0.00	0.00	1.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	0.00	1.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	110/1	R/Conc Open Girder	HL STRESS CRKS, SOME STEEL EXP.
1	205/1	R/Conc Column	DUE TO STREAMWEAR, CRKS @ PIERS
1	215/1	R/Conc Abutment	DUE TO STREAMWEAR W. ABUT. & WINGS. SOME SCALING W/ CRKS
1	22/1	P Conc Deck/Rigid Ov	CRKS THRUOUT. SHALLOW SPALLS E. SPAN. BREAKING UP W. ABUT. WB LANE
1	234/1	R/Conc Cap	DUE TO CRKS, SOME SPALLS W/ STEEL EXP.
1	301/1	Pourable Joint Seal	DUE TO LEAKING, NEED REPLACED
1	331/1	Conc Bridge Railing	SCALING THRUOUT, SOME STEEL EXP.
1	358/1	Deck Cracking SmFlag	DUE TO DECK CRKS
1	359/1	Soffit Smart Flag	DUE TO SPALLS OVERHANGS, CRKS, LEACHING, EFFLORESCENCE UNDERNEATH
1	361/1	Scour Smart Flag	DUE TO STREAMWEAR PIERS & W. ABUT. FTR EXPOSED W. PIER
1	503/1	RC Curb	SCALING THRUOUT IMPACT NE CORNER
1	604/1	2nd Elem Dist	STEEL EXP. @ DIAPHRAGMS

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/13/2009
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	606/1	Drains	4 DRAINS OPEN, 1 W/ DEBRIS, 7 BLOCKED
1	610/1	Chan Drift	@ INLET @ PIERS. CREEKROCK DOWNSTREAM
1	611/1	Embankment Erosion	EROSION UP & DOWNSTREAM, W. ABUT.
1	612/1	Chan Algn	CHANNEL SPLITS @ W. PIER

BRIDGE.Notes

9.9

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E964454-00000024	Under Review	High	Unassigned	32	22	10/3/2007
A-KYTC-0E964454-00000026	Under Review	High	Unassigned	41	301	10/3/2007
A-KYTC-0E964454-00000028	Approved	High	Unassigned	41	210	10/3/2007
A-KYTC-0E964454-0000002A	Under Review	High	Unassigned	41	606	10/3/2007
A-KYTC-0E964454-0000002C	Under Review	High	Unassigned	41	610	10/3/2007
A-KYTC-0E964454-0000002E	Under Review	High	Unassigned	40	611	10/3/2007
A-KYTC-0E964454-00000030	Under Review	High	Unassigned	41	612	10/3/2007

048B00012N PHIM

KYTC Bridge Inspection Report

Summary:
Inspection Date: 11/1/2005
Inspector: TFARMER (10)
Primary Type: SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 11/9/2005
District Reviewer: TFARMER (10)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00012N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.83	**Feature Intersected (6):**	CLOVER FK CUMBERLAND RVR
Location (9):	4.1 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	160 Foot - 3 Span Concrete Tee Beam		

NBI CONDITION

Deck (58):	5
Superstructure (59):	5
Substructure (60):	5
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			11/1/2005	**(91):**	12 mos	11/2006
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	1/1/1901

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	44	45	49	64	
Field Posting:	-1	50	51	66	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** Y		**Non-Cardinal:** Y		

WATERWAY

Scour Critical (113):	
Observed 113 Rating:	_
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107): 1 Concrete-Cast-In-Place

Wearing Surface/Protective System (108): **Type:** 3 **Membrane:** 0 **Protection:** 0

Traffic Safety Features (36): **Bridge Rail:** 1 **Transition:** 0 **Appr. Rail:** 0 **Rail Ends:** 0

Overlay: Y

Overlay Type: Latex

Overlay Thickness: 0.00

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR: 51.90 **SD/FO:** 2 Functionally Obsolete

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
/		ERROR						

048B00012N PHIM

KYTC Bridge Inspection Report

Summary:

Inspection Date: 11/1/2005
Inspector: TFARMER (10)
Primary Type: SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
	/		

BRIDGE.Notes

9.9

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E964454-00000024	Under Review	High	Unassigned	32	22	10/3/2007
A-KYTC-0E964454-00000026	Under Review	High	Unassigned	41	301	10/3/2007
A-KYTC-0E964454-00000028	Approved	High	Unassigned	41	210	10/3/2007
A-KYTC-0E964454-0000002A	Under Review	High	Unassigned	41	606	10/3/2007
A-KYTC-0E964454-0000002C	Under Review	High	Unassigned	41	610	10/3/2007
A-KYTC-0E964454-0000002E	Under Review	High	Unassigned	40	611	10/3/2007
A-KYTC-0E964454-00000030	Under Review	High	Unassigned	41	612	10/3/2007

048B00012N XSXA

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/3/2007
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 11/2/2007

District Reviewer: TBALL (21)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00012N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.83	**Feature Intersected (6):**	CLOVER FK CUMBERLAND RVR
Location (9):	4.1 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	160 Foot - 3 Span Concrete Tee Beam		

NBI CONDITION

Deck (58):	5
Superstructure (59):	5
Substructure (60):	5
Culverts (62):	N
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			10/3/2007	**(91):**	24 mos	10/2009
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	1/1/1901	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	10/3/2009

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	44	45	49	64	
Field Posting:	-1	45	46	60	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** Y		

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	4
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place							
Wearing Surface/Protective System (108):	**Type:**	3	**Membrane:**	0	**Protection:**	0		
Traffic Safety Features (36):	**Bridge Rail:**	1	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	Y							
Overlay Type:	Latex							
Overlay Thickness:	-1.00							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	51.90	**SD/FO:**	2 Functionally Obsolete

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
110/1	R/Conc Open Girder	LF	650.00	540.00	100.00	10.00	0.00	0.00

048B00012N XSXA

KYTC Bridge Inspection Report

Summary:

Inspection Date: 10/3/2007
Inspector: TFARMER (10)
Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
205/1	R/Conc Column	EA	6.00	3.00	3.00	0.00	0.00	0.00
210/1	R/Conc Pier Wall	LF	42.00	0.00	42.00	0.00	0.00	0.00
215/1	R/Conc Abutment	LF	125.00	44.00	81.00	0.00	0.00	0.00
22/1	P Conc Deck/Rigid Ov	SF	3,440.00	3,440.00	0.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	70.00	0.00	50.00	20.00	0.00	0.00
301/1	Pourable Joint Seal	LF	64.00	0.00	56.00	8.00	0.00	0.00
331/1	Conc Bridge Railing	LF	320.00	0.00	320.00	0.00	0.00	0.00
358/1	Deck Cracking SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	0.00	0.00	0.00	1.00	0.00
361/1	Scour Smart Flag	EA	1.00	1.00	0.00	0.00	0.00	0.00
503/1	RC Curb	LF	320.00	0.00	315.00	5.00	0.00	0.00
604/1	2nd Elem Dist	EA	1.00	0.00	1.00	0.00	0.00	0.00
606/1	Drains	EA	1.00	0.00	1.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	0.00	1.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	110/1	R/Conc Open Girder	SOME SCALING, HL STRESS CRKS, SOME SPALLS EXT. BMS
1	205/1	R/Conc Column	DUE TO STREAMWEAR, CRKS @ PIERS
1	210/1	R/Conc Pier Wall	DUE TO STREAMWEAR, PIERS
1	215/1	R/Conc Abutment	DUE TO STREAMWEAR W. ABUT. MAP CRKS
1	22/1	P Conc Deck/Rigid Ov	DUE TO CRKS THRUOUT, PATCHED POTHOLES
1	234/1	R/Conc Cap	DUE TO CRKS, SOME SPALLS W/ STEEL EXP.
1	301/1	Pourable Joint Seal	DUE TO LEAKING, COULD BE REPLACED
1	331/1	Conc Bridge Railing	DUE TO SCALING
1	358/1	Deck Cracking SmFlag	DUE TO MINOR CRKS
1	359/1	Soffit Smart Flag	DUE TO SPALLS OVERHANGS, MAP CRKS UNDERNEATH
1	361/1	Scour Smart Flag	DUE TO STREAMWEAR PIERS, FTR EXPOSED W. PIER

048B00012N XSXA

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/3/2007
Inspector:	TFARMER (10)
Primary Type:	Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	503/1	RC Curb	DUE TO SCALING, IMPACT CRKS
1	604/1	2nd Elem Dist	DUE TO SPALLS DIAPHRAGMS
1	606/1	Drains	6 DRAINS OPEN, 6 DRAINS BLOCKED
1	610/1	Chan Drift	DUE TO DRIFT @ INLET W. PIER. CREEKROCK @ INLET, OUTLET
1	611/1	Embankment Erosion	EROSION UPSTREAM, DOWNSTREAM, W. ABUT. WINGS
1	612/1	Chan Algn	CHANNEL MEANDERS DUE TO DRIFT

BRIDGE.Notes

9.9

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E964454-00000024	Under Review	High	Unassigned	32	22	10/3/2007
A-KYTC-0E964454-00000026	Under Review	High	Unassigned	41	301	10/3/2007
A-KYTC-0E964454-00000028	Approved	High	Unassigned	41	210	10/3/2007
A-KYTC-0E964454-0000002A	Under Review	High	Unassigned	41	606	10/3/2007
A-KYTC-0E964454-0000002C	Under Review	High	Unassigned	41	610	10/3/2007
A-KYTC-0E964454-0000002E	Under Review	High	Unassigned	40	611	10/3/2007
A-KYTC-0E964454-00000030	Under Review	High	Unassigned	41	612	10/3/2007

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 048B00013N

*****IDENTIFICATION*****	
(1) STATENAME:	KENTUCKY
(5) INVENTORY ROUTE (ON/UNDER):	131000380
(2) DISTRICT AGENCY DISTRICT:	11
(3) COUNTY CODE: 48	(4) PLACECODE: 0000
(6) FEATURES INTERSECTED:	LIGES BRANCH
(9) LOCATION:	3.8 MI EAST OF JCT KY 215
(11) MILE POINT:	12.88
(7) FACILITY CARRIED:	KY-38
(12) BASE HIGHWAY NETWORK:	
(13) LRS INVENTORY ROUTE & SUBROUTE:	
(16) LATITUDE:	36.897407125 N DEGREES
(17) LONGITUDE:	-83.139429685 W DEGREES
(98) BORDER BRIDGE STATECODE	Unknown - %SHARED: Unknown
(99) BORDER BRIDGE STRUCTURE NUMBER:	

*****STRUCTURE TYPE AND MATERIAL*****	
(43) STRUCTURE TYPE MAIN:	819 - Masonry Culvert
(44) STRUCTURE TYPE APPR:	!Not Applicable -Not Coded
(45) NUMBER OF SPANS IN MAIN UNIT:	2
(46) NUMBER OF APPROACH SPANS:	0
(107) DECK STRUCTURE TYPE	N - Not Applicable
(108) WEARING SURFACE/PROTECTIVE SYSTEM	
(108A) TYPE OF WEARING SURFACE:	N - Not Applicable
(108B) TYPE OF MEMBRANE:	N - Not Applicable
(108C) TYPE OF DECK PROTECTION:	N - Not Applicable

*****AGE AND SERVICE*****	
(27) YEAR BUILT:	1950
(106) YEAR RECONSTRUCTED:	0
(42A) TYPE OF SERVICE-ON:	1 - Highway
(42B) TYPE OF SERVICE-UNDER	5 - Waterway
(28) LANES ON STRUCTURE: 2	UNDER STRUCTURE: 0
(29) AVERAGE DAILY TRAFFIC: 3760	
(30) YEAR OF ADT: 2010	(109) TRUCK ADT%: 9
(19) BYPASS DETOUR LENGTH:	47.2 mi.

*****GEOMETRIC DATA*****	
(48) LENGTH OF MAXIMUM SPAN:	10.0 ft.
(49) STRUCTURE LENGTH:	26.0 ft.
(50) CURB OR SIDE WALK LEFT: 0.0 ft.	RIGHT: 0.0 ft.
(51) BRIDGE ROADWAY WIDTH CURB TO CURB:	0.0 ft.
(52) DECK WIDTH OUT TO OUT:	44.0 ft.
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS):	20.0
(33) BRIDGE MEDIAN:	No
(34) SKEW: 0	STRUCTURED FLARED: No
(10) INVENTORY ROUTE MIN VERT CLEAR:	100.0 ft.
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR:	19.6 ft.
(53) MIN VERT CLEAR OVER BRIDGE RDWY:	99.99 ft.
(54) MIN VER UNDER CLEAR REF: N	(b) 0 ft.
(55) MIN LAT UNDER CLEAR RT REF: N	(b) 0 ft.
(56) MIN LAT UNDER CLEAR LEFT:	0 ft.

*****NAVIGATION DATA*****	
(38) NAVIGATION CONTROL	0 - No navigation control on waterway
(111) PIER PROTECTION:	- Not Coded
(39) NAVIGATION VERTICAL CLEARENCE:	0.0 ft.
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEARENCE:	0.0 ft.
(40) NAVIGATION HORIZONTAL CLEARENCE:	0.0 ft.
SUFFICIENCY RATING:	31.50
STATUS:	1 - Structurally Deficient

*****CLASSIFICATION*****	
(112) NBIS BRIDGE LENGTH:	Yes
(104) HIGHWAY SYSTEM:	0 - Inventory Route is not on the NHS
(26) FUNCTIONAL CLASS	07 - Major Collector
(100) STRAHNET HIGHWAY:	0 - The inventory route is not a STRAHNET route
(101) PARALLEL STRU	N - No parallel structure exists
(103) TEMPORARY STRUCTURE:	Not Applicable
(102) DIRECTION OF T	2 - 2-way traffic
(105) FEDERAL LANDS HIGHWAYS:	0 - Not applicable
(110) DESIGNATED NATIONAL NETWORK:	0 - The inventory route is not part of the national network for trucks
(20) TOLL:	3 - On Free Road
(21) MAINTAIN:	01 - Not Coded
(22) OWNER:	01 - State Highway Agency
(37) HISTORICAL SIGNIFICANCE	5 - Bridge is not eligible for the National Register of Historic Places

*****CONDITION*****	
(58) DECK:	N
(59) SUPERSTRUCTURE:	N
(60) SUBSTRUCTURE:	N
(61) CHANNEL AND CHANNEL PROTECTION:	3
(62) CULVERTS:	4

*****LOAD RATING AND POSTING*****	
(31) DESIGN LOAD:	2 - H 15
(63) OPERATING RATING METHOD:	2 - Allowable Stress
(64) OPERATING RATING:	22.0 Tons
(65) INVENTORY RATING METHOD:	2 - Allowable Stress
(66) INVENTORY RATING:	15.0 Tons
(70) BRIDGE POSTING:	0 - >39.9% below
(41) STRUCTURE OPEN, POSTED OR CLOSED:	A - Open, no restriction

*****APPRAISAL*****	
(67) STRUCTURAL EVALUATION:	4
(68) DECK GEOMETRY:	N
(69) UNDERCLEARENCE, VERTICAL & HORIZONTAL:	N
(71) WATERWAY ADEQUACY:	8
(36) TRAFFIC SAFETY FEATURES:	0000
(113) SCOUR CRITICAL BRIDGES:	4

*****PROPOSED IMPROVEMENTS*****	
(75) TYPE OF WORK:	Unknown
(76) LENGTH OF STRUCTURE IMPROVEMENT:	0 ft.
(94) BRIDGE IMPROVEMENT COST:	$0.00
(95) ROADWAY IMPROVEMENT COST:	$0.00
(96) TOTAL PROJECTION COST:	$0.00
(97) YEAR OF IMPROVEMENT COST ESTIMATE:	2000
(114) FUTURE ADT:	4512
(115) YEAR OF FUTURE ADT:	2030

*****INSPECTIONS*****	
(90 INSPECTION DATE:	8/30/2011
(92) CRITICAL FEATURE INSPECTION:	
(92A) FRACTURE CRITICAL DETAIL:	N
(92B) UNDERWATER INSPECTION:	N
(92C) OTHER SPECIAL INSP:	N
(91) FREQUENCY:	12 months
(93) CFI DATE:	
(93A):	1/1/1901
(93B):	6/1/2003
(93C):	1/1/1901

048B00013N DSSF

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/11/2010
Inspector:	TBALL (21)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 8/18/2010

District Reviewer: MFROST (28)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00013N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.88	**Feature Intersected (6):**	LIGES BRANCH
Location (9):	3.8 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	26 Foot - 2 Span Masonry Culvert (includes frame culverts)		

NBI CONDITION

Deck (58):	**N**
Superstructure (59):	**N**
Substructure (60):	**N**
Culverts (62):	**4**
Channel/Protection (61):	**3**

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			8/11/2010	**(91):**	12 mos	08/2011
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	6/1/2003	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	8/11/2011

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	45	50	60	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	**A Open, no restriction**				
Signs Posted:	**Cardinal:**	N	**Non-Cardinal:**	N	

WATERWAY

Scour Critical (113):	4
Observed 113 Rating:	4
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	N N/A (NBI)						
Wearing Surface/Protective System (108):	**Type:** N	**Membrane:**	N	**Protection:**	N		
Traffic Safety Features (36):	**Bridge Rail:** 0	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	N						
Overlay Type:	-1						
Overlay Thickness:	-1.00						

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	31.50	**SD/FO:**	1 Structurally Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
243/1	Misc Culvert	LF	88.00	11.00	34.00	22.00	21.00	0.00

048B00013N DSSF

KYTC Bridge Inspection Report

Summary:

Inspection Date: 8/11/2010
Inspector: TBALL (21)
Primary Type: Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
Element: Y
Fracture Critical: N
Underwater: N
Other Special: N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
360/1	Settlement SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	0.00	1.00	0.00	0.00	0.00
501/1	RC Culv Head	LF	48.00	0.00	33.00	15.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	243/1	Misc Culvert	DUE TO UNDERCUT @ INLET W. BBL TOP SLAB HAS CRACKING WITH REBAR EXPOSED IN TOP SLABS
1	360/1	Settlement SmFlag	SAG IN CULVERT
1	361/1	Scour Smart Flag	DUE TO UNDERCUT @ INLET W. BBL
1	501/1	RC Culv Head	
1	611/1	Embankment Erosion	EROSION UPSTREAM,DOWNSTREAM,W.BBL
1	612/1	Chan Algn	ALL FLOW IN CULVERT1

BRIDGE.Notes

CULVERT 1 HAS UNDERMINING IN WALL 1 STONE MASONRY AT INLET IN PLUS OR MINUS 12 FOOT LONG 3 FOOT DEEP NEEDS TO BE ENCASED WITH CONCRETE. STRUCTURE NEEDS W-RAIL.

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E97E020-00000016	Under Review	High	Unassigned	33	243	10/4/2007
A-KYTC-104FF160-00000015	Under Review	High	Unassigned	61	611	8/21/2008
A-KYTC-104FF160-00000017	Under Review	High	Unassigned	40	610	8/21/2008
A-KYTC-104FF160-0000001B	Approved	High	Unassigned	31	614	8/21/2008
A-KYTC-13F51171-00000011	Under Review	High	Unassigned	24	361	8/11/2010

048B00013N EYHY

KYTC Bridge Inspection Report

Summary:

Inspection Date: 10/19/2009
Inspector: TFARMER (10)
Primary Type: Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 11/17/2009
District Reviewer: MFROST (28)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00013N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.88	**Feature Intersected (6):**	LIGES BRANCH
Location (9):	3.8 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	26 Foot - 2 Span Masonry Culvert (includes frame culverts)		

NBI CONDITION

Deck (58):	N
Superstructure (59):	N
Substructure (60):	N
Culverts (62):	3
Channel/Protection (61):	3

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			10/19/2009	**(91):**	12 mos	10/2010
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	6/1/2003	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	10/19/2011

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	45	50	60	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	B Open, posting rec-cot legally implemented				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** N		

WATERWAY

Scour Critical (113):	4
Observed 113 Rating:	3
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	N N/A (NBI)							
Wearing Surface/Protective System (108):	**Type:**	N	**Membrane:**	N	**Protection:**	N		
Traffic Safety Features (36):	**Bridge Rail:**	0	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	N							
Overlay Type:	-1							
Overlay Thickness:	-1.00							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	26.00	**SD/FO:**	1 Structurally Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
243/1	Misc Culvert	LF	88.00	0.00	22.00	22.00	44.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date: 10/19/2009
Inspector: TFARMER (10)
Primary Type: Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
360/1	Settlement SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	0.00	1.00	0.00	0.00	0.00
501/1	RC Culv Head	LF	48.00	0.00	33.00	15.00	0.00	0.00
503/1	RC Curb	LF	68.00	0.00	48.00	20.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	0.00	1.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00
614/1	Eros Contr	EA	1.00	0.00	1.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	243/1	Misc Culvert	SETTLEMENT BOTH BARRELS. STEEL EXP. IN WALLS & TOP SLABS. WEST BARREL WORSE. HEAVY SCOUR @ WEST BARREL @ INLET. MAP CRKS IN TOP SLABS. SCALING THRUOUT. E. BARREL BLOCKED W/ CREEKROCK
1	360/1	Settlement SmFlag	SAG IN CULVERT
1	361/1	Scour Smart Flag	DUE TO UNDERCUT @ INLET W. BBL
1	501/1	RC Culv Head	SCALING, SPALLS, STEEL EXP. CRKS
1	503/1	RC Curb	SCALING THRUOUT. MINOR IMPACT
1	610/1	Chan Drift	@ INLET @ WALL. ON EAST SIDE OF CHANNEL
1	611/1	Embankment Erosion	EROSION UPSTREAM,DOWNSTREAM,W.BBL
1	612/1	Chan Algn	WATER CAN'T GET INTO E. BARREL. W. BARREL CARRIES ALL FLOW.
1	614/1	Eros Contr	HEAVY SCOUR @ OUTLET WALL W. BARREL

BRIDGE.Notes

CULVERT 1 HAS UNDERMINING IN WALL 1 STONE MASONRY AT INLET IN PLUS OR MINUS 12 FOOT LONG 3 FOOT DEEP NEEDS TO BE ENCASED WITH CONCRETE. STRUCTURE NEEDS W-RAIL.

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E97E020-00000016	Under Review	High	Unassigned	33	243	10/4/2007
A-KYTC-104FF160-00000015	Under Review	High	Unassigned	61	611	8/21/2008
A-KYTC-104FF160-00000017	Under Review	High	Unassigned	40	610	8/21/2008
A-KYTC-104FF160-0000001B	Approved	High	Unassigned	31	614	8/21/2008

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/19/2009
Inspector:	TFARMER (10)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-13F51171-00000011	Under Review	High	Unassigned	24	361	8/11/2010

048B00013N PHIM

KYTC Bridge Inspection Report

Summary:
Inspection Date: 10/1/2006
Inspector: TFARMER (10)
Primary Type: SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	Y
Other Special:	N

District Review Date: 11/3/2006
District Reviewer: TFARMER (10)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00013N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.88	**Feature Intersected (6):**	LIGES BRANCH
Location (9):	3.8 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	26 Foot - 2 Span Masonry Culvert (includes frame culverts)		

NBI CONDITION

Deck (58):	N
Superstructure (59):	N
Substructure (60):	N
Culverts (62):	3
Channel/Protection (61):	3

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			10/1/2006	**(91):**	12 mos	10/2007
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	Y	**(93B):**	6/1/2003	**(92B):**	60 mos	10/1/2011
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	1/1/1901

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	45	50	60	
Field Posting:	-1	-1	-1	-1	-1

Posting Status (41): A Open, no restriction
Signs Posted: **Cardinal:** N **Non-Cardinal:** N

WATERWAY

Scour Critical (113):	
Observed 113 Rating:	_
Waterway Adeq. (71):	7

DECK/WEARING SURFACE

Deck Type (107): N N/A (NBI)
Wearing Surface/Protective System (108): **Type:** N **Membrane:** N **Protection:** N
Traffic Safety Features (36): **Bridge Rail:** 0 **Transition:** 0 **Appr. Rail:** 0 **Rail Ends:** 0
Overlay: Y
Overlay Type: -1
Overlay Thickness: 0.00

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR: 26.00 **SD/FO:** 1 Structurally Deficient

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
/		ERROF						

048B00013N PHIM

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/1/2006
Inspector:	TFARMER (10)
Primary Type:	SIA (Initial Inventory

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	N
Fracture Critical:	N
Underwater:	Y
Other Special:	N

Element Condition State Data

Str Unit	Elm/Env	Description	Description
	/		

BRIDGE.Notes

CULVERT 1 HAS UNDERMINING IN WALL 1 STONE MASONRY AT INLET IN PLUS OR MINUS 12 FOOT LONG 3 FOOT DEEP NEEDS TO BE ENCASED WITH CONCRETE. STRUCTURE NEEDS W-RAIL.

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E97E020-00000016	Under Review	High	Unassigned	33	243	10/4/2007
A-KYTC-104FF160-00000015	Under Review	High	Unassigned	61	611	8/21/2008
A-KYTC-104FF160-00000017	Under Review	High	Unassigned	40	610	8/21/2008
A-KYTC-104FF160-0000001B	Approved	High	Unassigned	31	614	8/21/2008
A-KYTC-13F51171-00000011	Under Review	High	Unassigned	24	361	8/11/2010

048B00013N PSLE

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/30/2011
Inspector:	MFROST (28)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 9/13/2011

District Reviewer: MWEST (155)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00013N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.88	**Feature Intersected (6):**	LIGES BRANCH
Location (9):	3.8 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	26 Foot - 2 Span Masonry Culvert (includes frame culverts)		

NBI CONDITION

Deck (58):	N
Superstructure (59):	N
Substructure (60):	N
Culverts (62):	4
Channel/Protection (61):	3

SCHEDULE TAB

Schedule:	Required (Y/N)		Last Date		Frequency	Next Date
NBI (90):			8/30/2011	**(91):**	12 mos	08/2012
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	6/1/2003	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	8/30/2012

Load Rating and Posting

Truck Type	Typ I	Typ II	Typ III	Typ IV	Gross
Recomm. Posting:	20	45	50	60	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:**	N	**Non-Cardinal:**	N	

WATERWAY

Scour Critical (113):	4
Observed 113 Rating:	4
Waterway Adeq. (71):	8

DECK/WEARING SURFACE

Deck Type (107):	N N/A (NBI)						
Wearing Surface/Protective System (108):	**Type:** N	**Membrane:** N	**Protection:** N				
Traffic Safety Features (36):	**Bridge Rail:** 0	**Transition:** 0	**Appr. Rail:** 0	**Rail Ends:** 0			
Overlay:	N						
Overlay Type:	-1						
Overlay Thickness:	-1.00						

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	31.50	**SD/FO:**	1 Structurally Deficient

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
243/1	Misc Culvert	LF	88.00	1.00	53.00	22.00	12.00	0.00

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/30/2011
Inspector:	MFROST (28)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
360/1	Settlement SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	0.00	1.00	0.00	0.00	0.00
501/1	RC Culv Head	LF	48.00	0.00	33.00	15.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00
612/1	Chan Algn	EA	1.00	1.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	243/1	Misc Culvert	BARREL 1 FLOW SLAB AT THE INLET HAS WASHED OUT 15TO 16 FEET CAUSING THE WESTERN ABUTMENT WALL UNDER CUT UP 10 3' DEEP 10 FOOT LONG LEAVING THIS SECTION UNSUPPORTED MORTAR MISSING BOTTOM 3 CHORDS OF STONE NUMEROUS CRACKS IN THE GROUT LINES AS WELL AS IN THE STONE WORK TOP SLAB HAS CRACKING WITH REBAR EXPOSED IN TOP SLABS AT THE ENTRANCE TO BARREL 1 AND NEAR MID POINT OF BARREL 1 BARREL 2 IS CLOGGED WITH SEDIMENT.
1	360/1	Settlement SmFlag	STONE WORKS APPEAR TO HAVE A SAG NEAR MIDDLE OF BARREL 1 THE TOP SLAP DID NOT TO MIRROR THE STONE WORK SAG. POTENTIAL FOR SUDDEN SETTLEMENT IS AT THE UNSUPPORTED STONE WORK BARREL1 WESTERN WALL.
1	361/1	Scour Smart Flag	IN BARREL 1 UNDERCT AREA AND SCOUR HOLE IN THE MISSING FLOW SLAB AREA.
1	501/1	RC Culv Head	SPALLING STEEL EXPOSED BARREL 1 INLET AND OUTLET
1	610/1	Chan Drift	BARREL 2 CLOGGED
1	611/1	Embankment Erosion	EROSION IN THWE BACK FILL WESTERN WALL BARREL 1
1	612/1	Chan Algn	ALL FLOW IN CULVERT1

BRIDGE.Notes

CULVERT 1 HAS UNDERMINING IN WALL 1 STONE MASONRY AT INLET IN PLUS OR MINUS 12 FOOT LONG 3 FOOT DEEP NEEDS TO BE ENCASED WITH CONCRETE. STRUCTURE NEEDS W-RAIL.

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E97E020-00000016	Under Review	High	Unassigned	33	243	10/4/2007
A-KYTC-104FF160-00000015	Under Review	High	Unassigned	61	611	8/21/2008
A-KYTC-104FF160-00000017	Under Review	High	Unassigned	40	610	8/21/2008
A-KYTC-104FF160-0000001B	Approved	High	Unassigned	31	614	8/21/2008
A-KYTC-13F51171-00000011	Under Review	High	Unassigned	24	361	8/11/2010

048B00013N QAGG

KYTC Bridge Inspection Report

Summary:

Inspection Date:	10/4/2007
Inspector:	TFARMER (10)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	Y
Other Special:	N

District Review Date: 11/2/2007

District Reviewer: TBALL (21)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00013N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.88	**Feature Intersected (6):**	LIGES BRANCH
Location (9):	3.8 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	26 Foot - 2 Span Masonry Culvert (includes frame culverts)		

NBI CONDITION

Deck (58):	N
Superstructure (59):	N
Substructure (60):	N
Culverts (62):	4
Channel/Protection (61):	3

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			10/4/2007	**(91):**	24 mos	10/2009
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	Y	**(93B):**	6/1/2003	**(92B):**	60 mos	6/1/2008
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				24 mos	10/4/2009

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	45	50	60	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** N		

WATERWAY

Scour Critical (113):	6
Observed 113 Rating:	2
Waterway Adeq. (71):	7

DECK/WEARING SURFACE

Deck Type (107):	N N/A (NBI)							
Wearing Surface/Protective System (108):	**Type:**	N	**Membrane:**	N	**Protection:**	N		
Traffic Safety Features (36):	**Bridge Rail:**	0	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	N							
Overlay Type:	-1							
Overlay Thickness:	-1.00							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	31.50	**SD/FO:**	1 Structurally Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
243/1	Misc Culvert	LF	882.00	344.20	322.68	215.12	0.00	0.00

048B00013N QAGG

KYTC Bridge Inspection Report

Summary:

Inspection Date: 10/4/2007
Inspector: TFARMER (10)
Primary Type: Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	Y
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
361/1	Scour Smart Flag	EA	1.00	0.00	1.00	0.00	0.00	0.00
501/1	RC Culv Head	LF	68.00	43.00	25.00	0.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	0.00	1.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00
613/1	Vegetation	EA	1.00	1.00	0.00	0.00	0.00	0.00
614/1	Eros Contr	EA	1.00	1.00	0.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	243/1	Misc Culvert	DUE TO UNDERCUT S. BBL @ INLET, VERT. CRKS ON BARREL WALLS, MORTAR MISSING
1	361/1	Scour Smart Flag	DUE TO UNDERCUT @ INLET S. BBL
1	501/1	RC Culv Head	DUE TO SPALLS, SCALING ON HEADWALLS
1	610/1	Chan Drift	DUE TO DRIFT @ INLET WALL BETWEEN BBLS, SEDIEMNT, CREEKROCK UPSTREAM,DOWNSTREAM, N.BBL
1	611/1	Embankment Erosion	EROSION UPSTREAM,DOWNSTREAM,S.BBL
1	612/1	Chan Algn	N. BBL BLOCKED W/ SILT, S. BBL CARRIES ALL FLOW.
1	613/1	Vegetation	VEGETATION NEEDS TO BE CUT, BUT NO MAJOR PROBLEM
1	614/1	Eros Contr	NO BAD PROBLEMS

BRIDGE.Notes

CULVERT 1 HAS UNDERMINING IN WALL 1 STONE MASONRY AT INLET IN PLUS OR MINUS 12 FOOT LONG 3 FOOT DEEP NEEDS TO BE ENCASED WITH CONCRETE. STRUCTURE NEEDS W-RAIL.

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E97E020-00000016	Under Review	High	Unassigned	33	243	10/4/2007
A-KYTC-104FF160-00000015	Under Review	High	Unassigned	61	611	8/21/2008
A-KYTC-104FF160-00000017	Under Review	High	Unassigned	40	610	8/21/2008
A-KYTC-104FF160-0000001B	Approved	High	Unassigned	31	614	8/21/2008
A-KYTC-13F51171-00000011	Under Review	High	Unassigned	24	361	8/11/2010

048B00013N XJQD

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/21/2008
Inspector:	TFARMER (10)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

District Review Date: 9/15/2008

District Reviewer: TBALL (21)

Inspector Signature:

IDENTIFICATION

Bridge ID (8):	048B00013N MAP BRIDGE	**District Number:**	11
Route Carried (7):	KY-38	**County (3):**	95 Harlan
Mile Point:	12.88	**Feature Intersected (6):**	LIGES BRANCH
Location (9):	3.8 MI EAST OF JCT KY 215	**Road Name:**	HIGHWAY 38
Structure Description:	26 Foot - 2 Span Masonry Culvert (includes frame culverts)		

NBI CONDITION

Deck (58):	N
Superstructure (59):	N
Substructure (60):	N
Culverts (62):	3
Channel/Protection (61):	4

SCHEDULE TAB

Schedule:	**Required (Y/N)**		**Last Date**		**Frequency**	**Next Date**
NBI (90):			8/21/2008	**(91):**	12 mos	08/2009
Fracture Critical (92A):	N	**(93A):**	1/1/1901	**(92A):**	mos	1/1/1901
Underwater (92B):	N	**(93B):**	6/1/2003	**(92B):**	mos	1/1/1901
Other Special (92C):	N	**(93C):**	1/1/1901	**(92C):**	mos	1/1/1901
Elemental:	NA				12 mos	8/21/2010

Load Rating and Posting

Truck Type	**Typ I**	**Typ II**	**Typ III**	**Typ IV**	**Gross**
Recomm. Posting:	20	45	50	60	
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	**Cardinal:** N		**Non-Cardinal:** N		

WATERWAY

Scour Critical (113):	6
Observed 113 Rating:	3
Waterway Adeq. (71):	7

DECK/WEARING SURFACE

Deck Type (107):	N N/A (NBI)							
Wearing Surface/Protective System (108):	**Type:**	N	**Membrane:**	N	**Protection:**	N		
Traffic Safety Features (36):	**Bridge Rail:**	0	**Transition:**	0	**Appr. Rail:**	0	**Rail Ends:**	0
Overlay:	N							
Overlay Type:	-1							
Overlay Thickness:	-1.00							

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	26.00	**SD/FO:**	1 Structurally Deficient

Element Condition State Data

Elm/Env	**Description**	**Units**	**Total Qty.**	**Qty. CS1**	**Qty. CS2**	**Qty. CS3**	**Qty. CS4**	**Qty. CS5**
243/1	Misc Culvert	LF	882.00	0.02	290.41	591.57	0.00	0.00

048B00013N XJQD

KYTC Bridge Inspection Report

Summary:

Inspection Date:	8/21/2008
Inspector:	TFARMER (10)
Primary Type:	Substandard (12 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
360/1	Settlement SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
361/1	Scour Smart Flag	EA	1.00	0.00	1.00	0.00	0.00	0.00
501/1	RC Culv Head	LF	48.00	0.00	33.00	15.00	0.00	0.00
610/1	Chan Drift	EA	1.00	0.00	0.00	1.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	0.00	1.00	0.00	0.00
612/1	Chan Algn	EA	1.00	0.00	0.00	1.00	0.00	0.00
614/1	Eros Contr	EA	1.00	0.00	1.00	0.00	0.00	0.00

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	243/1	Misc Culvert	DUE TO UNDERCUT S. BBL @ INLET, VERT. CRKS ON BARREL WALLS, MORTAR MISSING. SAG IN CULVERT BOTH BARRELS
1	360/1	Settlement SmFlag	MINOR SAG IN CULVERT
1	361/1	Scour Smart Flag	DUE TO UNDERCUT @ INLET S. BBL
1	501/1	RC Culv Head	SCALING, SPALLS, CRKS, LEACHING
1	610/1	Chan Drift	DUE TO DRIFT @ INLET WALL BETWEEN BBLS, SEDIEMNT, CREEKROCK UPSTREAM,DOWNSTREAM, N.BBL
1	611/1	Embankment Erosion	EROSION UPSTREAM,DOWNSTREAM,S.BBL
1	612/1	Chan Algn	N. BBL BLOCKED W/ SILT, S. BBL CARRIES ALL FLOW.
1	614/1	Eros Contr	UNDERMINED @ OUTLET

BRIDGE.Notes

CULVERT 1 HAS UNDERMINING IN WALL 1 STONE MASONRY AT INLET IN PLUS OR MINUS 12 FOOT LONG 3 FOOT DEEP NEEDS TO BE ENCASED WITH CONCRETE. STRUCTURE NEEDS W-RAIL.

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-0E97E020-00000016	Under Review	High	Unassigned	33	243	10/4/2007
A-KYTC-104FF160-00000015	Under Review	High	Unassigned	61	611	8/21/2008
A-KYTC-104FF160-00000017	Under Review	High	Unassigned	40	610	8/21/2008
A-KYTC-104FF160-0000001B	Approved	High	Unassigned	31	614	8/21/2008
A-KYTC-13F51171-00000011	Under Review	High	Unassigned	24	361	8/11/2010

Appendix I – Project Team Meeting Minutes

MEETING MINUTES

Project:	KY 38 Programming Study
Purpose:	Project Team Meeting No. 1
Place:	Harlan County Resident Engineer's Office
Date:	Friday, August 19, 2011
Time:	9:30 a.m. EST

In Attendance:	Jill Asher	KYTC C.O. Planning
	Michael Blevins	KYTC Geotechnical Branch
	Brian Cassim	KYTC District 11 Harlan Engineer's Office
	Dean Croft	KYTC District 11 Environmental
	Taylor Davis	KYTC District 11 Design
	David Fields	KYTC District 11 Design
	Lesli Gill	Cumberland Valley ADD
	Tonya Higdon	KYTC C.O. Planning
	Stephen Howard	KYTC District 11 Harlan Engineer's Office
	Amy Johnson	Cumberland Valley ADD
	Adam Knuckles	KYTC District 11 Project Delivery & Preservation
	Jack Maggard	KYTC District 11 Harlan Engineer's Office
	Joseph Mosley	District 11 TEBM Project Development
	Mikael Pelfrey	KYTC C.O. Planning
	Christian Wallover	KYTC Geotechnical Branch

Meeting Summary:

A sign-in sheet was passed around and after introductions from those in attendance, Joey Mosley opened the Project Team Meeting by providing some background information about the project. The study was requested both by Congressman Hal Rogers and Representative Rick Nelson because of safety concerns along the route which include sharp horizontal curves and rock slides that have caused road closures.

Secretary Hancock proposed a scoping study to be completed in-house as a collaborative effort between District 11 and Central Office Planning. Short and long term solutions should be proposed to address the concerns. Ideally this would be handled as a "beefed up" DNA study. As part of the study, the nine elements of the purpose and need defined by NEPA would need to be addressed to create a purpose and need statement.

Originally the project length was to be approximately 6 miles from MP 7.5 to MP 13.5 on KY 38, but Joey stated the limits should be extended another 3.5 miles to MP 17.0 to account for additional horizontal curvature deficiencies and slides. Spot improvements should be the focus along the corridor. Cost estimates would be developed for each potential improvement to aid with the project development process. Towards the end of the effort, one public meeting would be held and the report would ideally be completed thereafter.

Joey then turned it over to Mikael Pelfrey who had created several exhibits using the original study limits from data gathered from the HIS (Highway Information) database and the Kentucky State Police website. Mikael explained the first exhibit was simply a map of the project area that also showed the current ADT (average daily traffic). Looking at recent traffic counts, traffic declines by nearly half after MP 8.478 (near the community of Evarts) from an ADT of 7040 to an ADT of 3860.

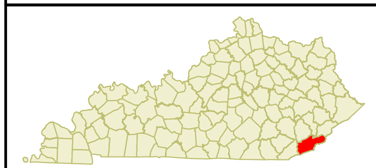
A second exhibits depicts crashes plotted along the corridor along with their corresponding critical rate factor (CRF) segments. If the CRF is greater than 1.00 crashes may not be occurring at random and an in-depth look may be required. West of Evarts the CRF is between 0.90 and 1.00, but east the CRF drops below 0.90 indicting no pattern in crashes. Additional exhibits show crashes with respect to horizontal curve class and vertical grade class for further analysis. The final exhibit focuses on crashes in 0.1 mile and 0.3 mile spots. Six locations are shown and in each case the horizontal curve has a class of C or worse.

The meeting was followed by a visit to the project site by all present at the project team meeting. The Geotechnical Branch was present to check for rock slides. Notes taken during the site visit appear on the following exhibit pages as issues. These exhibits were created for clarity to combine notes taken in the field with information on specific crashes from the Kentucky State Police website.

Exhibit 1

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes at KY 3457 Intersection (May 2008 - April 2011)



Issues

- multiple access points
- 55 mph speed limit

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

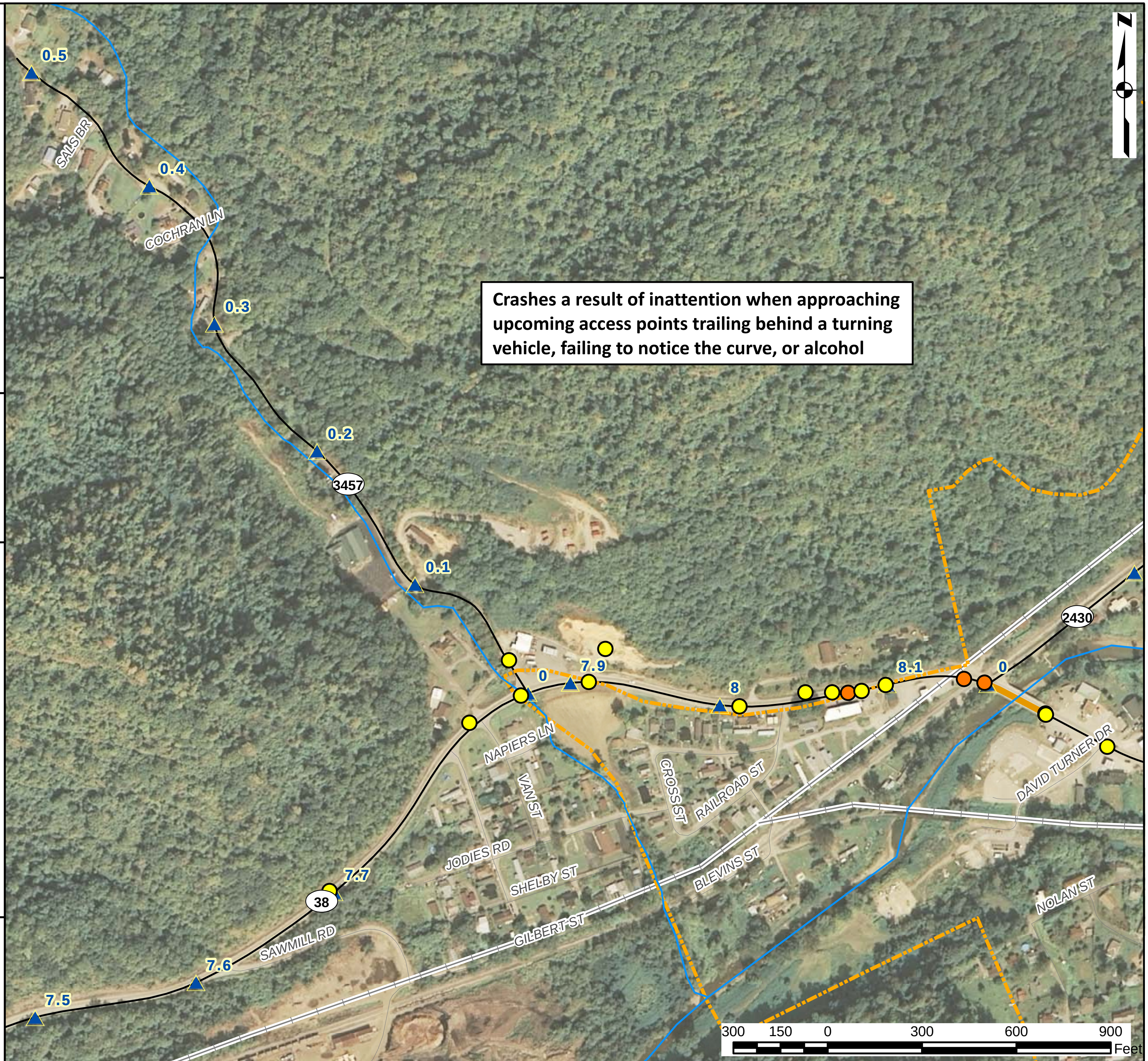
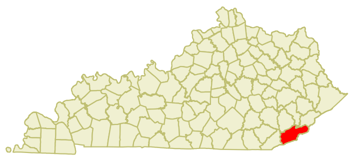


Exhibit 2

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes near
MP 8.1 - MP 8.5
(May 2008 - April 2011)



Issues

- unrestricted access
- no warning for railroad crossing

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

Date:
8/19/2011

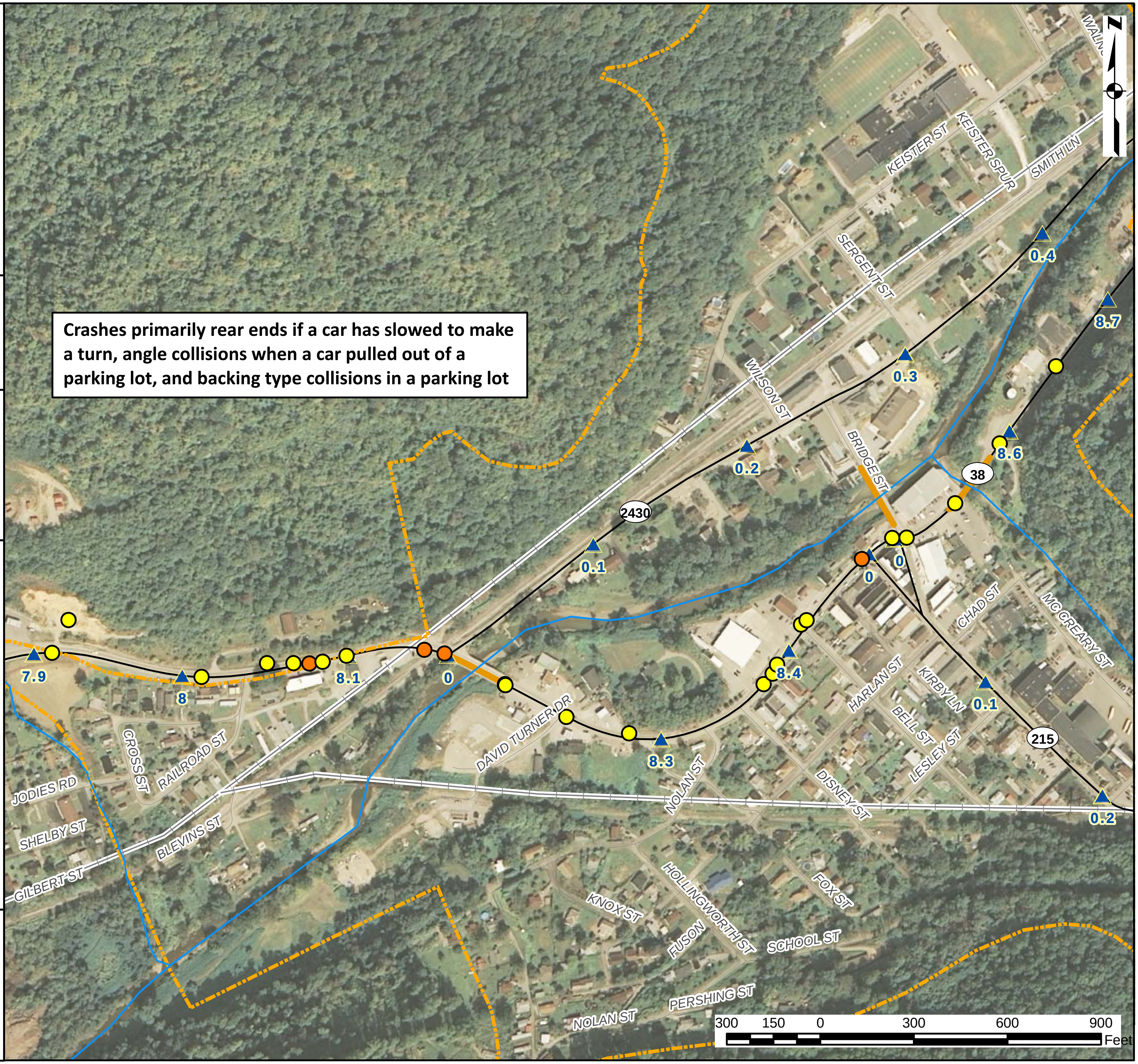
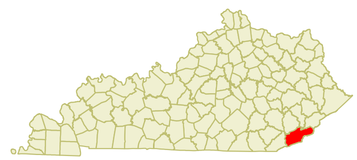


Exhibit 3

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes at KY 215
and side streets
(May 2008 - April 2011)



Issues

- limited visability due to vegetation
- narrow lanes
- lack of turning lanes

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date:
8/19/2011

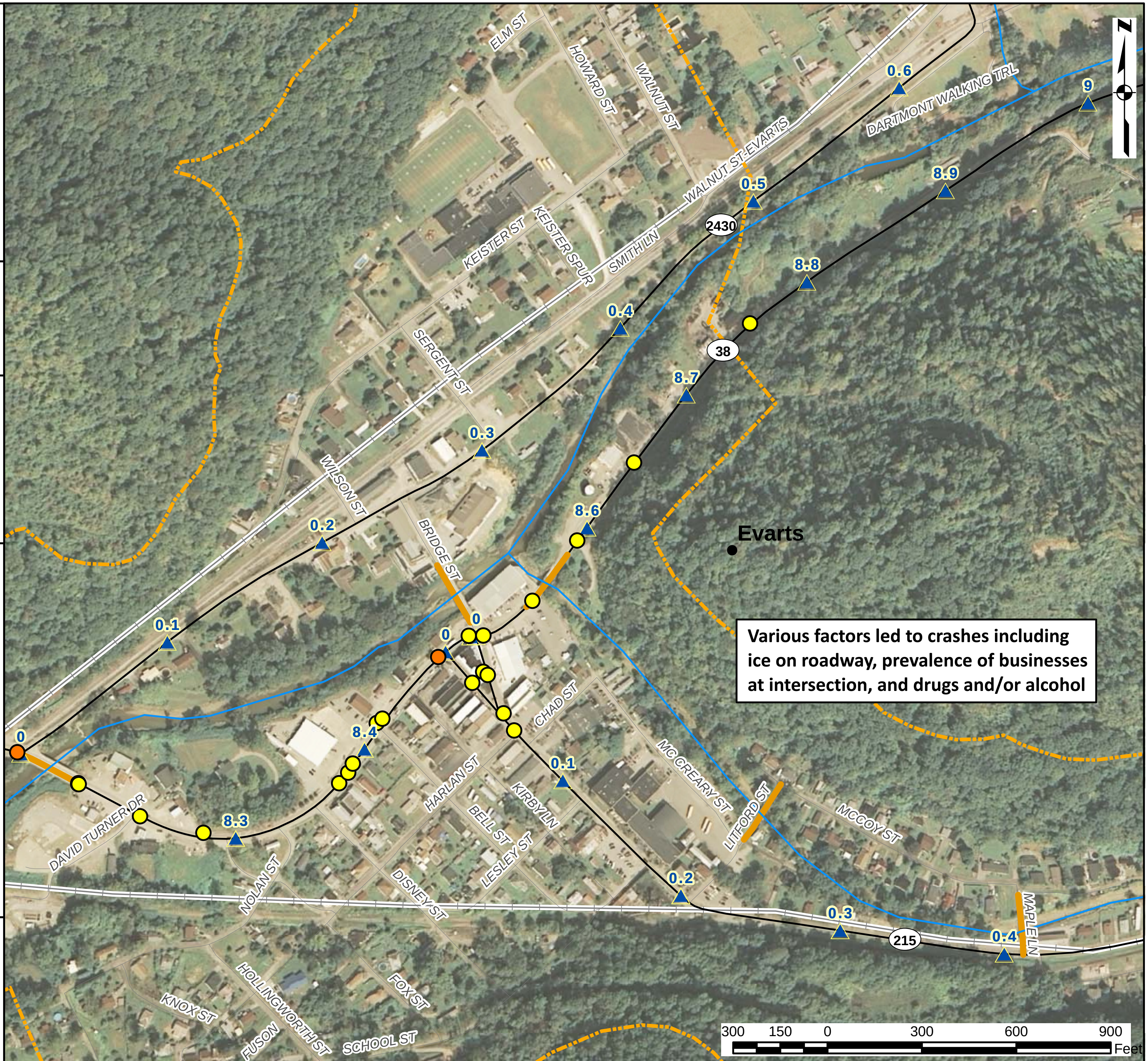
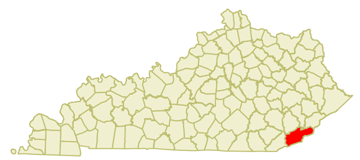


Exhibit 4

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes near MP 9.1 - MP 9.5 (May 2008 - April 2011)



Issues
- no shoulders
- cliff to north of road
- fallen rock zone
- speed differential at approach road
- curve radius (high CRF)

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

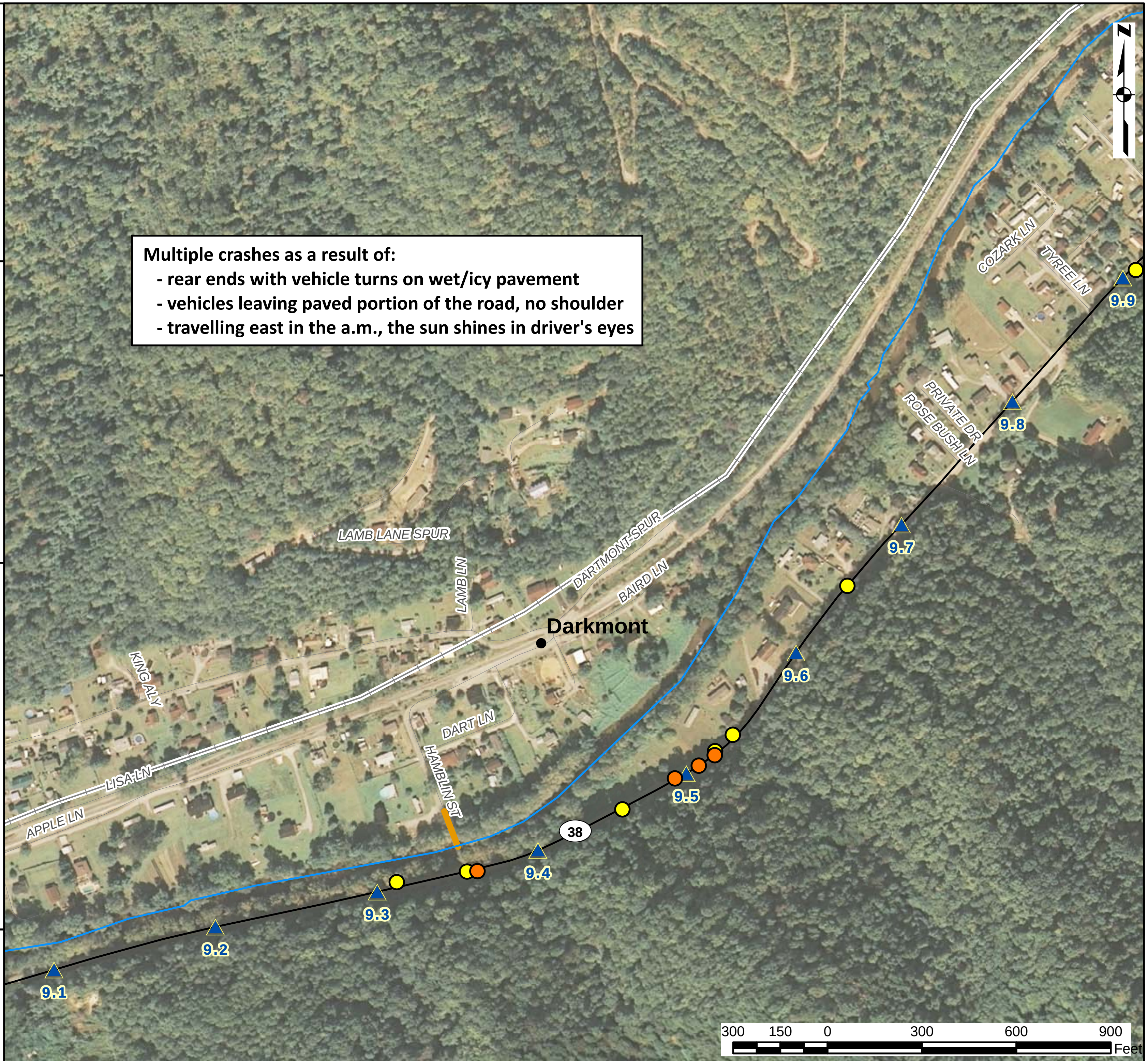
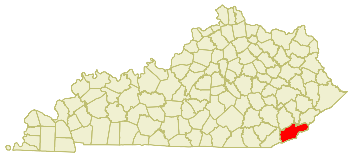


Exhibit 5

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes at MP 10.1
(May 2008 - April 2011)



Issues
- Class E horizontal curve
- limited sight distance
- high CRF
- highest priority for improvements by maintenance personnel

Legend
- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

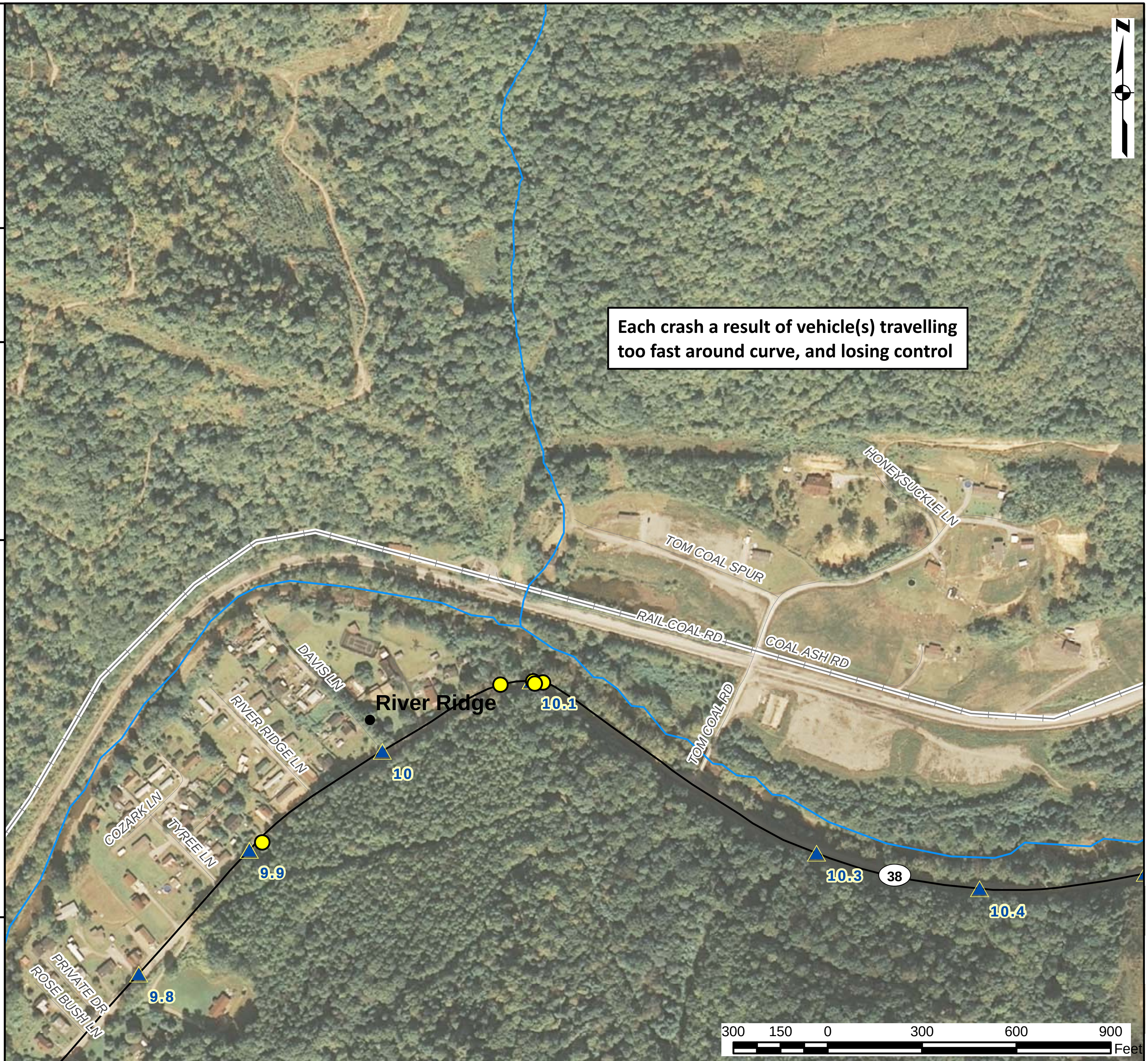
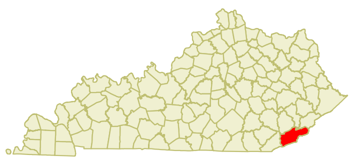


Exhibit 6

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes near MP 10.8 - MP 11.1 (May 2008 - April 2011)



Issues

- high CRF
- poor sight distance
- slide area w/ shoulder dropoffs

Legend

US Highway
State Road
Local Road
1/10th Milepoints
Bridges
Railroad
Rivers/Streams
Populated Places
Corporate Boundary Lines
Injury
PDO

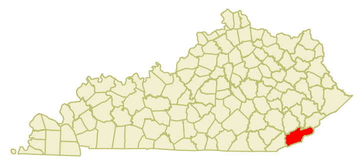
KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

Exhibit 7

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes near MP 11.6 (May 2008 - April 2011)



Issues

- Class D horizontal curve
- poor sight distance

Legend

US Highway
State Road
Local Road
1/10th Milepoints
Bridges
Railroad
Rivers/Streams
Populated Places
Corporate Boundary Lines
Injury
PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

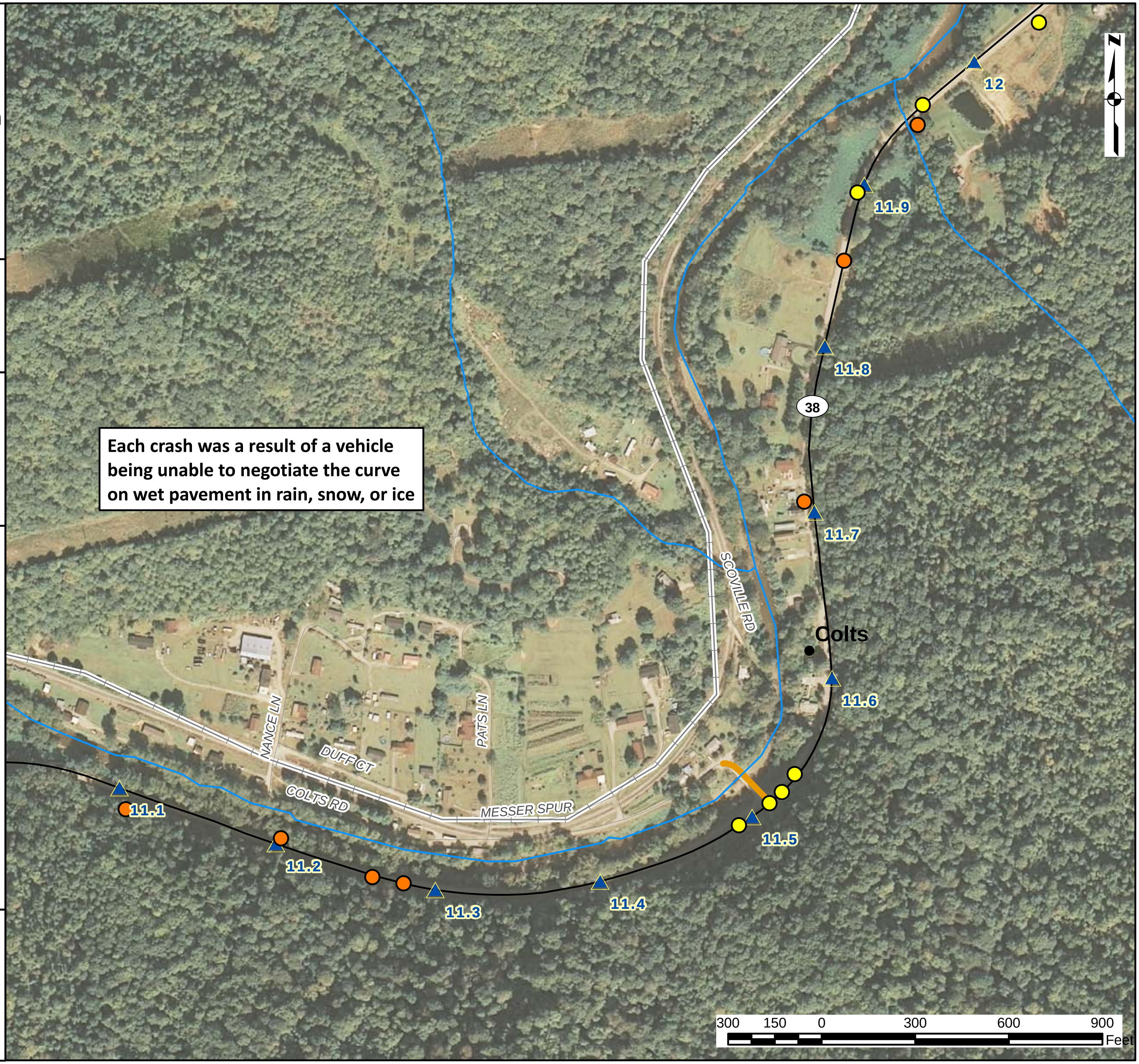
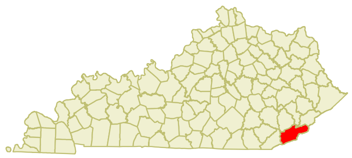


Exhibit 8

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes near MP 11.9 - MP 12.1 (May 2008 - April 2011)



Issues

- lack of shoulder
- limited visability due to vegetation

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

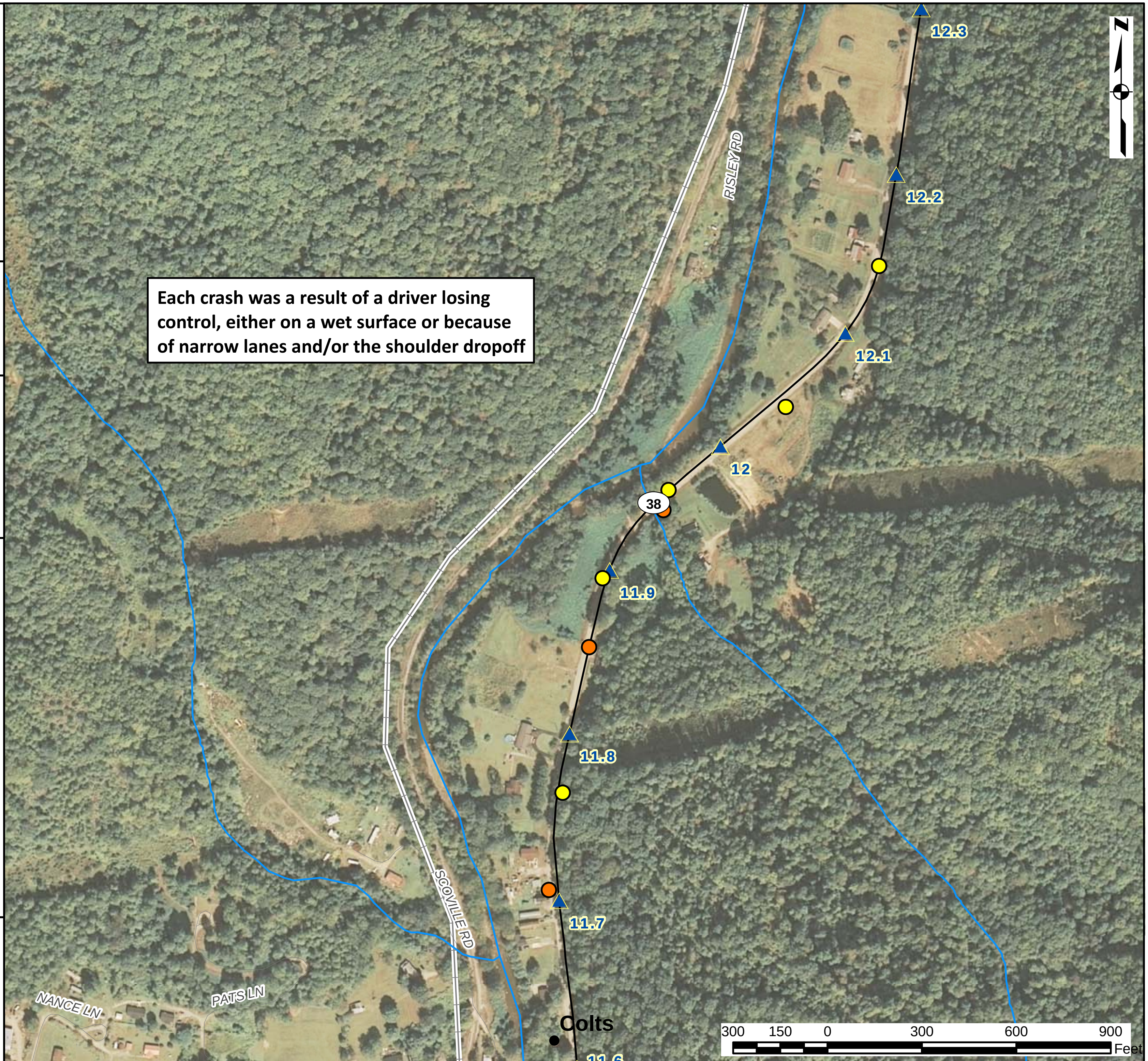


Exhibit 9

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes at Bridge MP 12.87 (May 2008 - April 2011)

Issues
- Class D horizontal curve
- narrow approach to bridge
- hidden approaches after bridge

Legend
- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

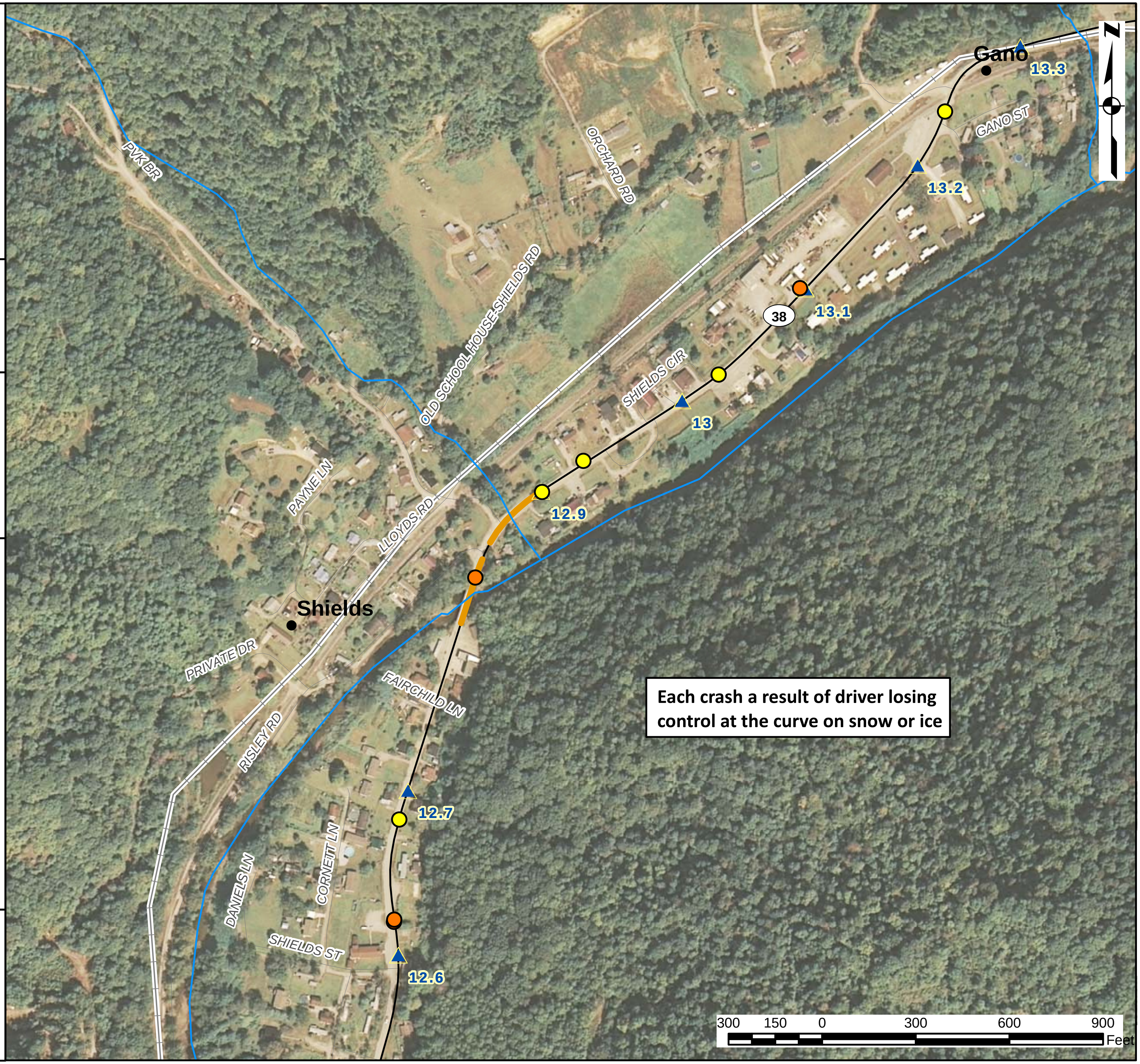
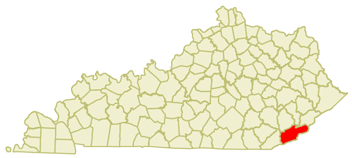


Exhibit 10

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes at Railroad
MP 13.29
(May 2008 - April 2011)



Issues

- KY 38 follows railroad, making it difficult for vehicles travelling westbound to distinguish road from railroad tracks

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011

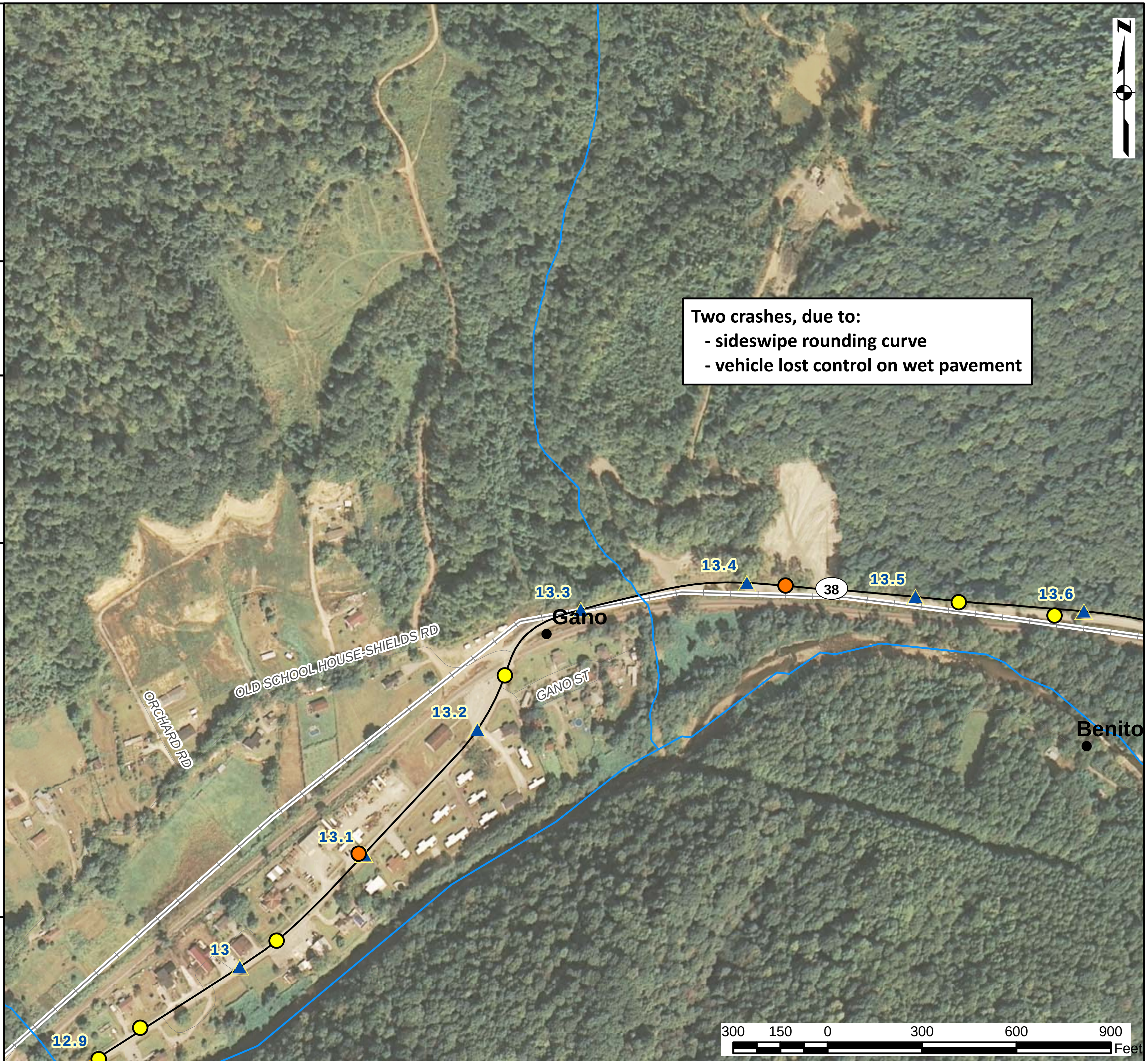
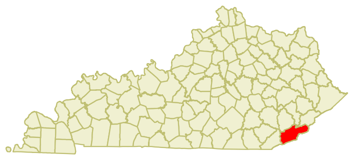


Exhibit 11

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes near Bridge
MP 14.2 - MP 14.6
(May 2008 - April 2011)



Issues

- lack of shoulder area
- heavy truck maneuvers onto bridge, turns made in oncoming traffic lane

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date:
8/19/2011

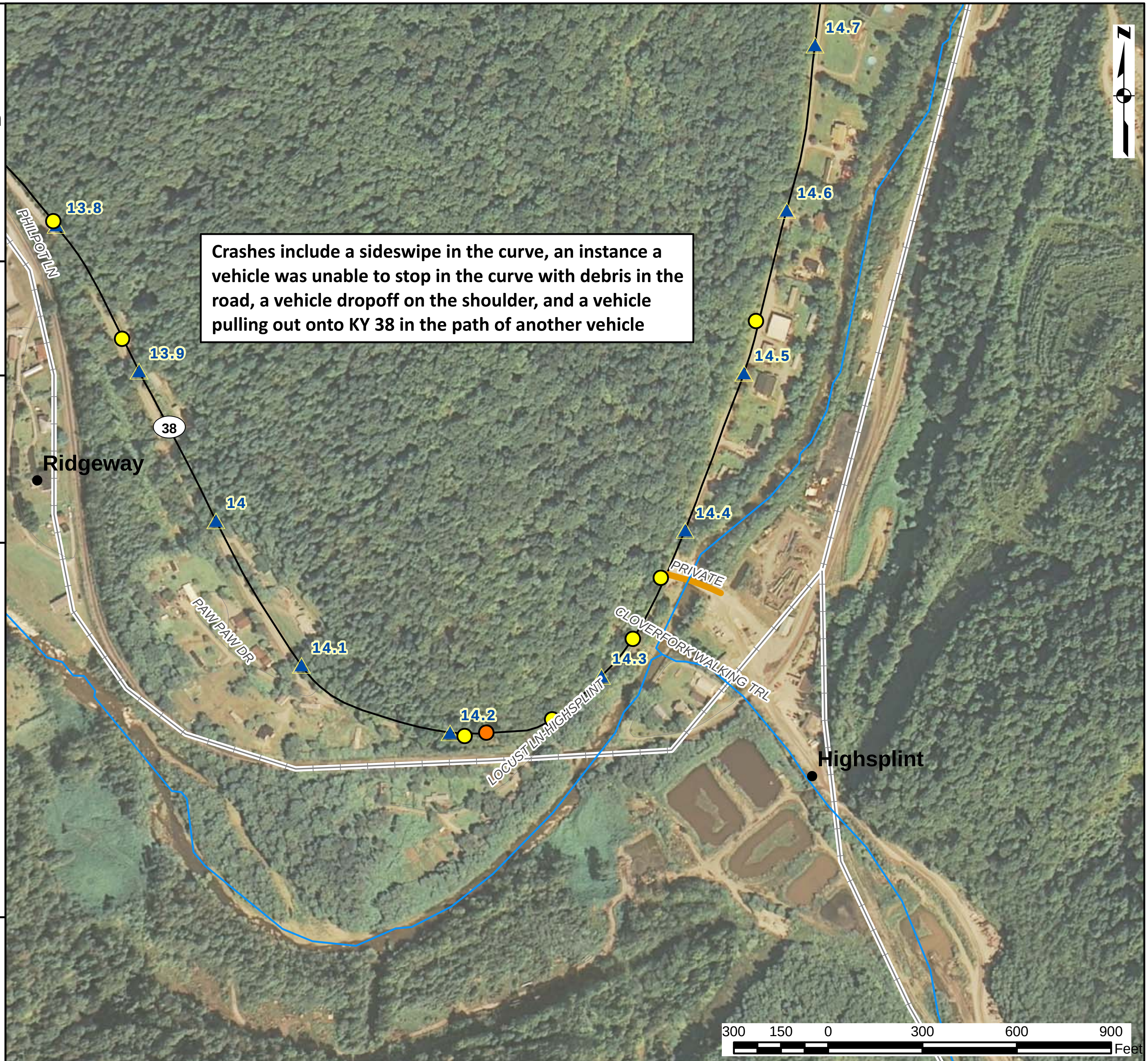
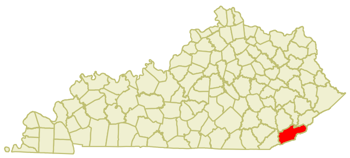


Exhibit 12

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes near
MP 15.5
(May 2008 - April 2011)



Issues

- narrow shoulder
- possible Talus

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO
- Death

Date:
8/19/2011

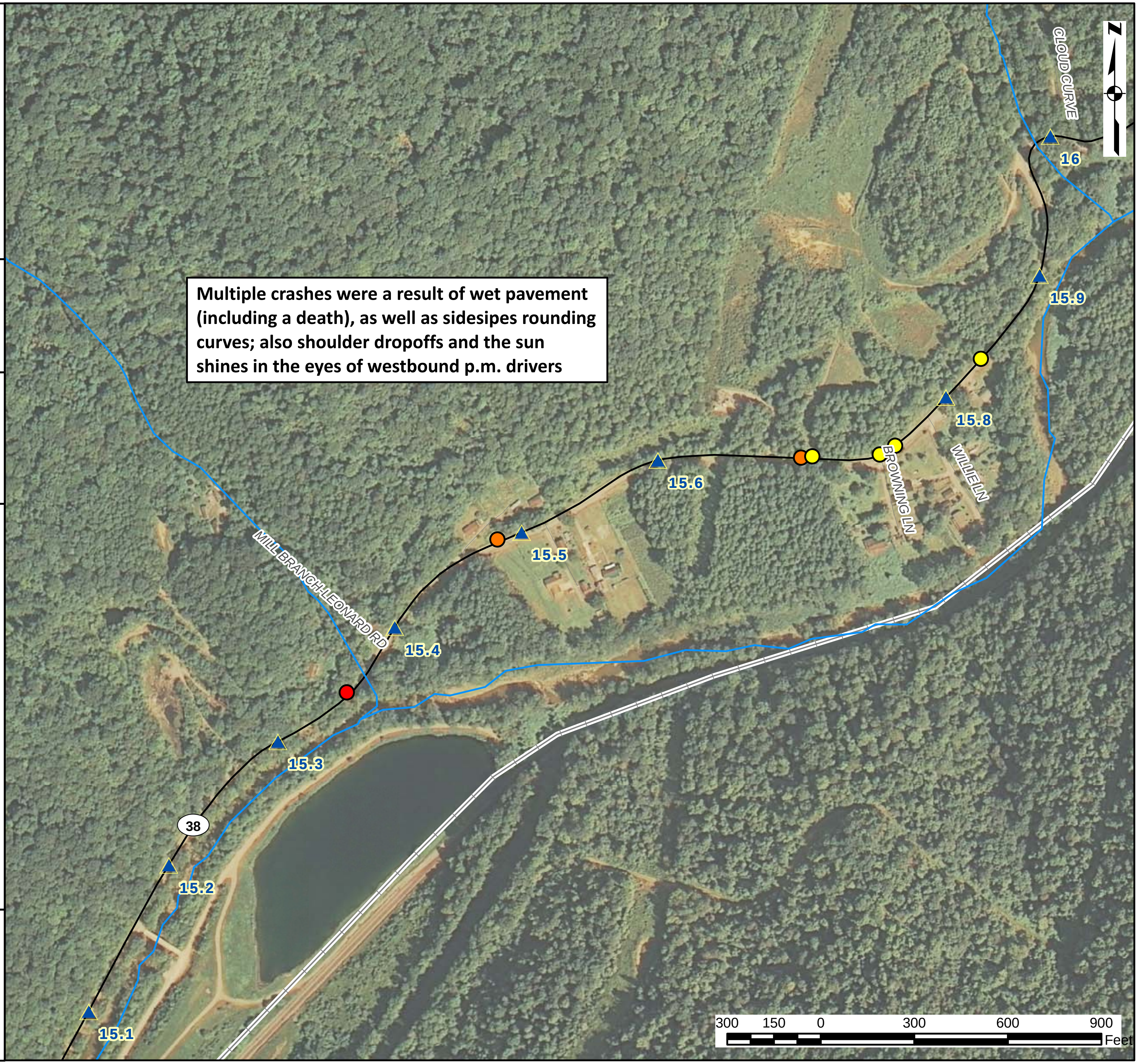
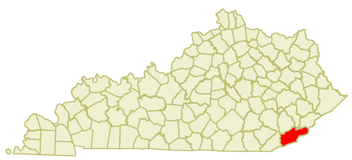


Exhibit 13

KY 38 Harlan Co. Study
From Evarts to Louellen

Crashes near
MP 16.0
(May 2008 - April 2011)



Issues

- multiple horizontal curves in sequence (S-curve)

Legend

US Highway
State Road
Local Road
1/10th Milepoints
Bridges
Railroad
Rivers/Streams
Populated Places
Corporate Boundary Lines
Injury
PDO

KENTUCKY TRANSPORTATION CABINET

Date:
8/19/2011

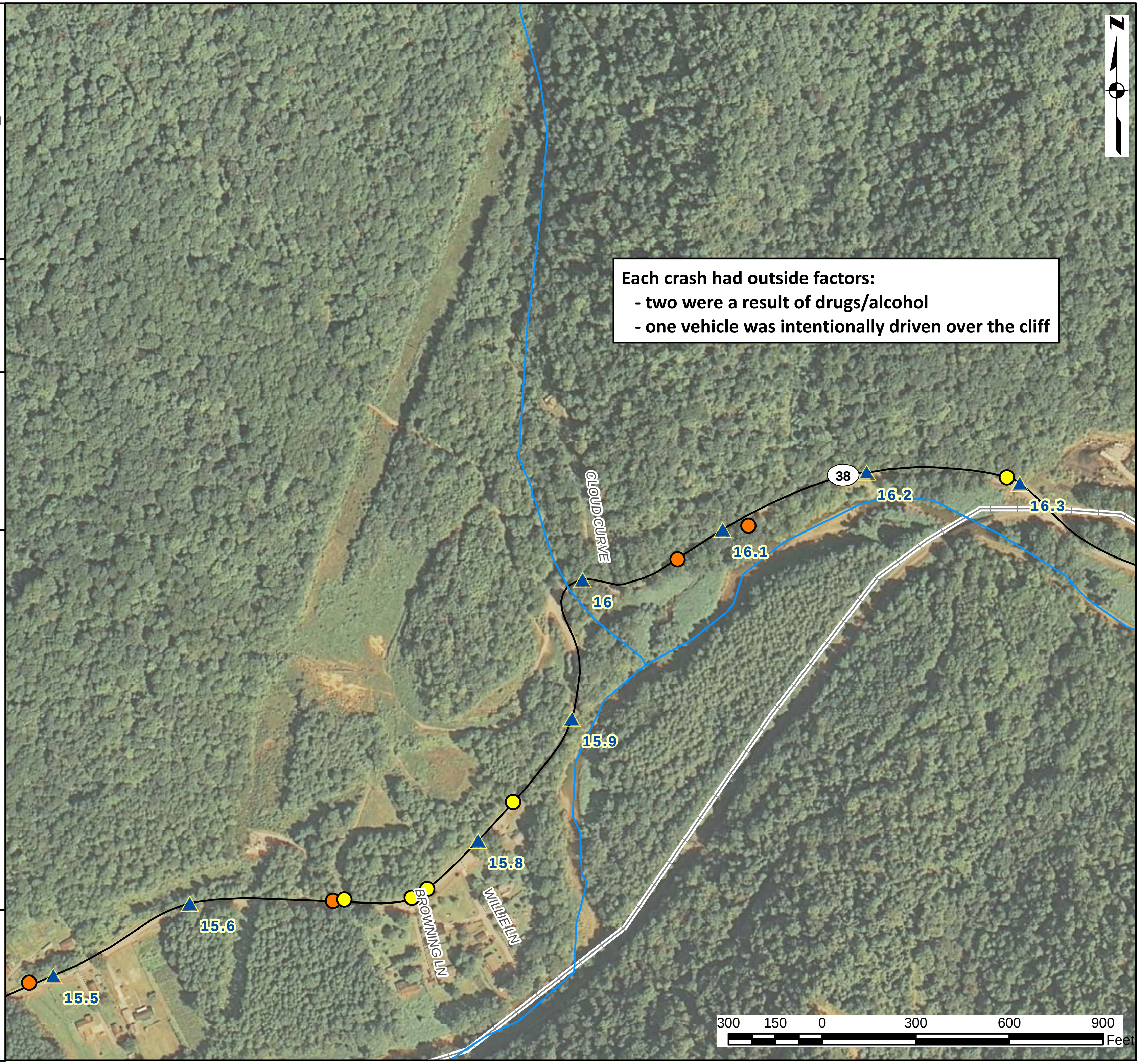
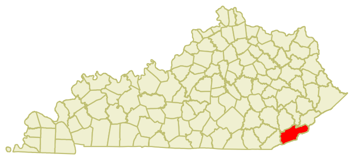


Exhibit 14

KY 38 Harlan Co. Study From Evarts to Louellen

Crashes near MP 16.6 (May 2008 - April 2011)



Issues

- Class E followed by a Class F horizontal curve
- abandoned railroad adjacent to route

Legend

- US Highway
- State Road
- Local Road
- 1/10th Milepoints
- Bridges
- Railroad
- Rivers/Streams
- Populated Places
- Corporate Boundary Lines
- Injury
- PDO

KENTUCKY TRANSPORTATION CABINET

Date: 8/19/2011