

EXECUTIVE SUMMARY

Intersection of State Route 32 & State Route 220 / Germany Road in Pike County

This intersection has been selected for analysis and study upon a ranking of 183 in the 2003 Highway Safety Program. The intersection was ranked 105 in 2002 and it was ranked 219 in 2001. The purpose of the study is to determine safety issues at the intersection and to determine possible countermeasures to address the safety issues.

EXISTING CONDITIONS

State Route 32 is a four lane divided highway that travels from west to east across southern Ohio. State Route 220 is a local road that intersects State Route 32 from the north. Germany Road is also a local road that intersects from the south across from State Route 220. State Route 220 and Germany Road both stop for State Route 32. State Route 32 is the through roadway with a speed limit of 60 miles per hour. This intersection was newly constructed in the mid 1990's with the project that upgraded State Route 32 from two lanes to four lanes. The intersection obviously meets ODOT design standards.

However, there is some sight restriction east of the intersection because of a vertical curve in the pavement for a bridge structure over the CSX railroad. This structure is situated approximately 800 feet east of the intersection. The vertical curve causes some sight restriction for motorists approaching the intersection and for the motorists at the intersection observing the approaching vehicles. An overhead flasher was installed in October of 2002 to address these sight concerns. This flasher was recommended as the result of a safety study. The average daily traffic volume for State Route 32 is just under 10,000 vehicles per day. The average daily traffic volume for State Route 220 is just under 4000 vehicles per day.

CRASH ANALYSIS

A three year period of crashes is required to be analyzed for the HSP study. The three years used for this study are 2001, 2002, and 2003. There were 23 accidents that occurred in the intersection during these three years. Most of the accidents were angle collisions. 83 percent or 19 of the 23 accidents were angle collisions. There was 1 left turn accident, 2 right turn accidents, and 1 rear end accident. Of the 19 angle collisions, 11 of them involved vehicles approaching from the east which is the side where the sight is restricted by the vertical curve in the pavement. 56 percent or 13 of the accidents were injury accidents. 83 percent or 19 of the accidents occurred on dry pavement. 87 percent or 20 of the accidents occurred during daylight hours. The main contributing factor of the accidents was failure to yield which usually is the contributing factor for angle collisions. Of the 19 angle collisions, all of the accident reports were coded as failure to yield. None of the accident reports were coded as running the stop sign.

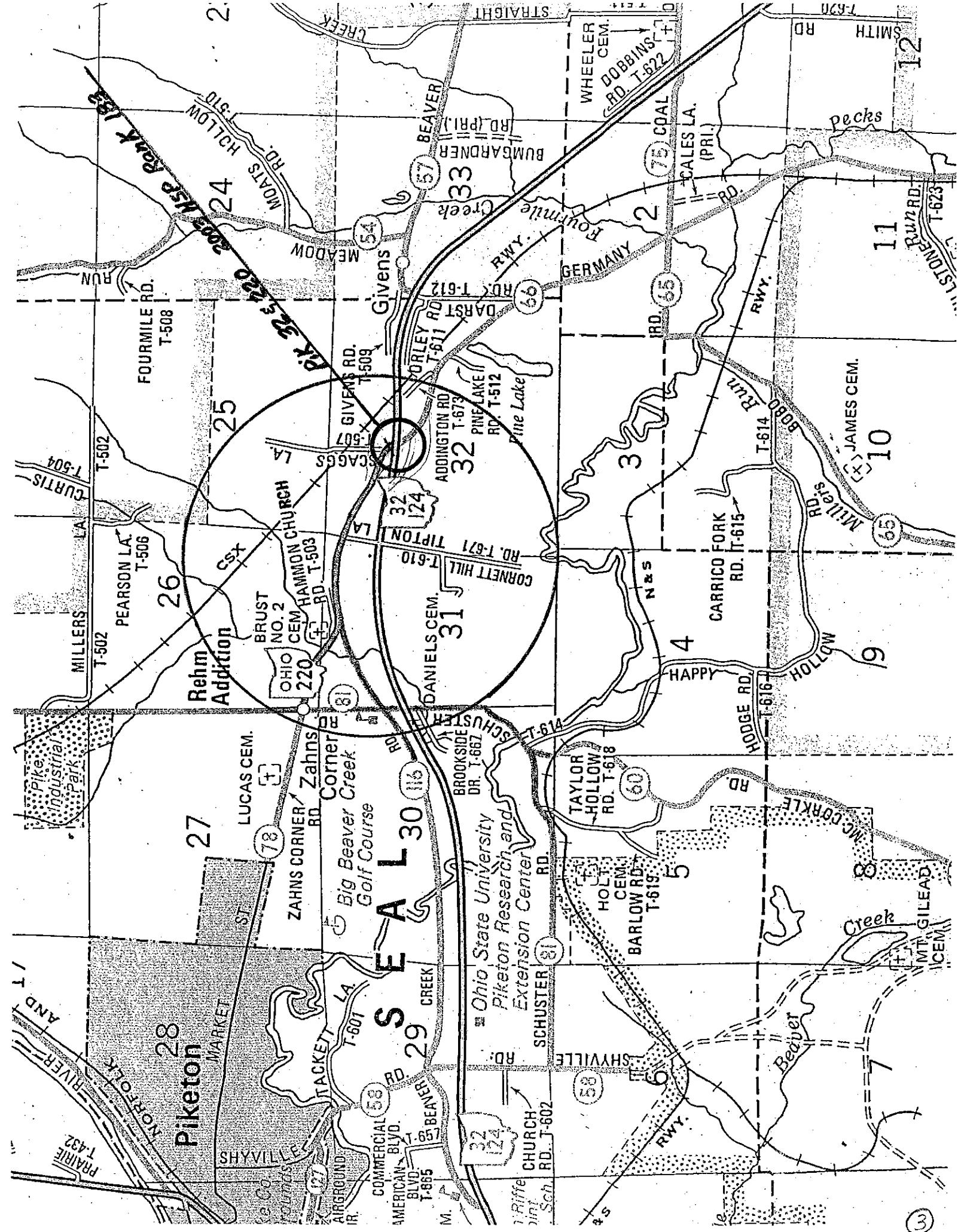
POSSIBLE CAUSES OF THE ACCIDENTS

- The speeds are high on the through roadway. The speed limit on State Route 32 is 60 miles per hour. The actual observed 85 percentile speeds were 63 miles per hour for eastbound traffic and 65 miles per hour for westbound traffic.
- The sight distance is restricted on the east approach of the intersection due to the vertical curve in the pavement on the railroad overpass.
- There are additional conflict points when crossing a four lane highway versus crossing a two lane highway. Essentially, there are two intersections to cross.

POSSIBLE COUNTERMEASURES

- Install a stop and go traffic control signal. (The intersection does not meet a required warrant to install a stop and go traffic control signal. Furthermore, there would be a safety concern with a traffic control signal because of the sight issue on the east approach of the intersection. There would be potential for rear end collisions on this approach).
- Construct an interchange. (An interchange would be cost prohibitive at this intersection especially with the railroad being situated 800 feet from the intersection).
- Reroute State Route 220 across Shuster Road which already intersects with State Route 32. Currently State Route 220 intersects with Shuster Road approximately one half mile from State Route 32. From this intersection, State Route 220 turns 90 degrees and travels 1.56 miles before it intersects with State Route 32. If Shuster Road were utilized as State Route 220 it would be a straight alignment directly to State Route 32 that would be one mile shorter in length. The benefit would be that this intersection does not have any sight restrictions. However, this benefit would have limited effectiveness if the existing State Route 220 access to State Route 32 remains connected. The existing one half mile of Shuster Road would have to be upgraded to ODOT specifications before it can become a state route.

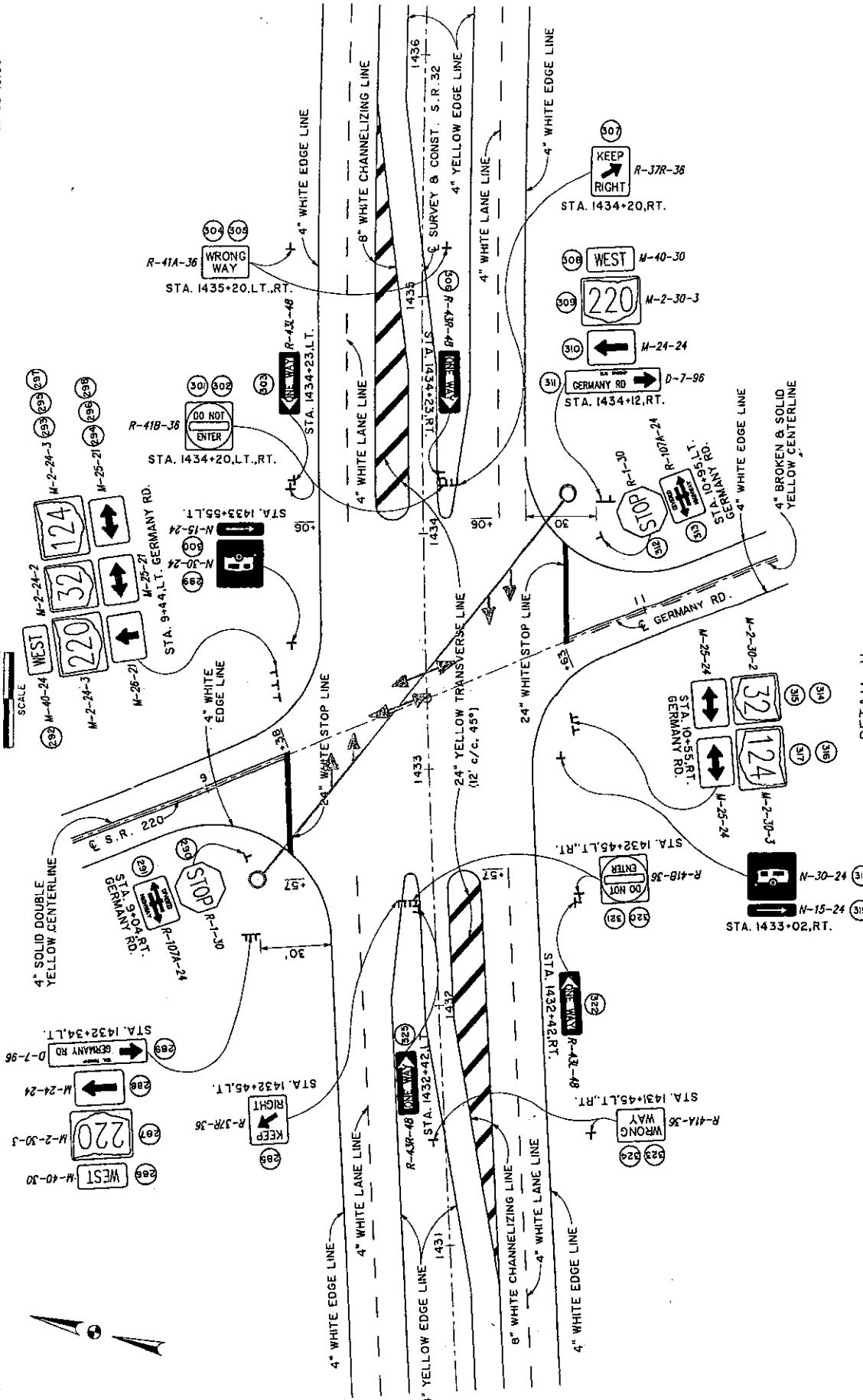
RECOMMENDATION



SIGNING AND PAVEMENT MARKING

FIRM NAME REGION	STATE	PROJECT NAME	DATE RECEIVED
Pike County	Ohio	PIKE-32-1605	5/17/63

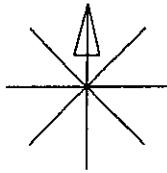
P.M.C.



SIGNING AND PAVEMENT MARKING

5

COLLISION DIAGRAM



INDICATE NORTH

MON-5-14-01-8:00A-DRY-DAY

FRI-3-8-02-2:40P-DRY-DAY

FRI-3-15-02-3:45P-WET-DAY

WED-9-25-02-3:30P-DRY-DAY

FRI-11-8-02-4:05P-DRY-DAY

WED-10-17-01-12:00P-DRY-DAY

THU-1-17-01-6:25P-DRY-NITE

FRI-9-14-01-3:50P-DRY-DAY

MON-2-11-02-2:45P-DRY-DAY

SAT-6-29-02-8:12A-DRY-DAY

SUN-5-18-03-3:40P-DRY-DAY

WED-9-25-02-4:12P-DRY-DAY

WED-7-9-03-2:05P-DRY-DAY

THU-1-4-01-4:20P-DRY-DAY

FRI-1-17-03-3:40P-DRY-DAY

TUE-3-4-03-2:10P-DRY-DAY

S.R. 220

SUN-4-14-02-3:15P-WET-DAY
FRI-4-19-02-8:45P-WET-NITE

THU-12-4-03-5:25A-DRY-NITE

S.R. 32
(RD. NAME)

ACC SUMMARY
PD 10
INJ 13
TOTAL 23

SYMBOLS

- ← MOVING VEHICLE
- ↔ BACKING VEHICLE
- ↖ ← NON-INVOLVED VEHICLE
- ✖ PEDESTRIAN
- PARKED VEHICLE
- FIXED OBJECT
- FATAL ACCIDENT
- INJURY ACCIDENT

TYPES OF COLLISIONS

- ↔ REAR END
- ↔ HEAD ON
- ↖ SIDE SWIPE
- ↔ OUT OF CONTROL
- ↙ LEFT TURN
- ↗ RIGHT ANGLE

SHOW FOR EACH ACCIDENT

1. DAY, DATE, AND TIME
2. WEATHER AND ROAD SURFACE - IF UNUSUAL CONDITION EXISTED
3. NITE - IF BETWEEN DUSK AND DAWN

Germany Rd
(RD. NAME)

INTERSECTION
PERIOD 3 YEARS

S.R. 32 AND
: FROM 1-1-01

S.R. 220
TO 12-31-03

TRAFFIC CRASH ANALYSIS

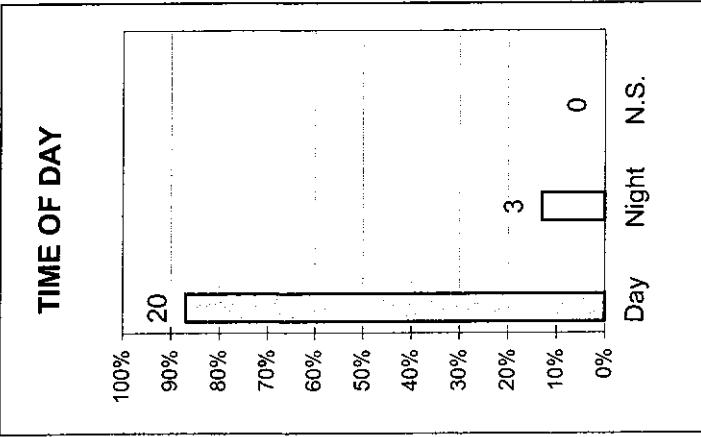
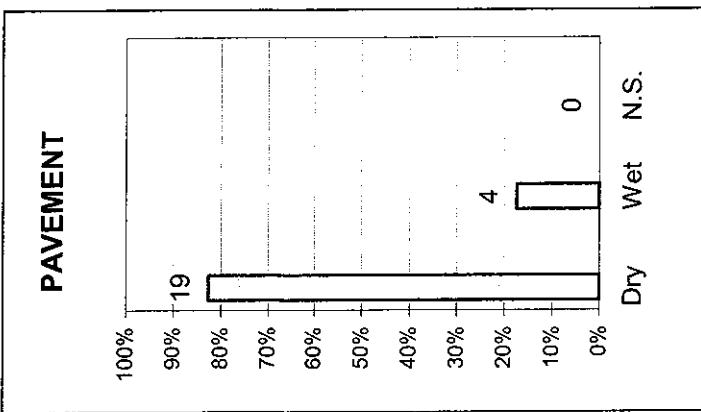
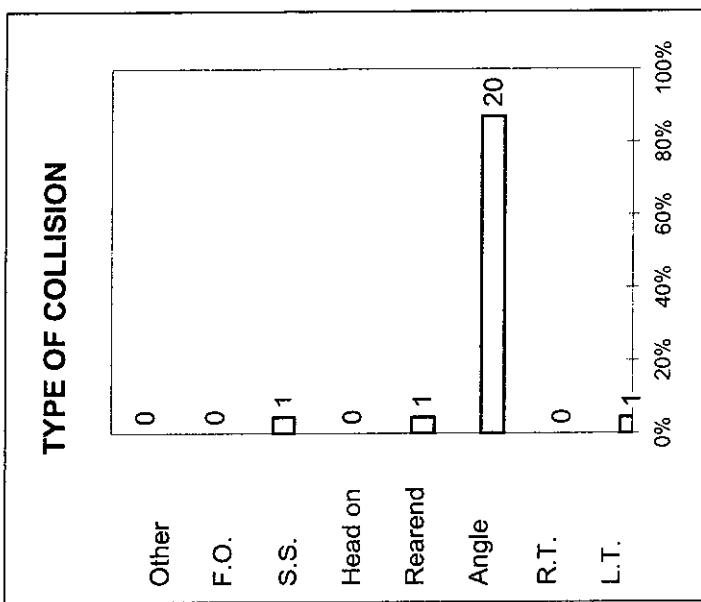
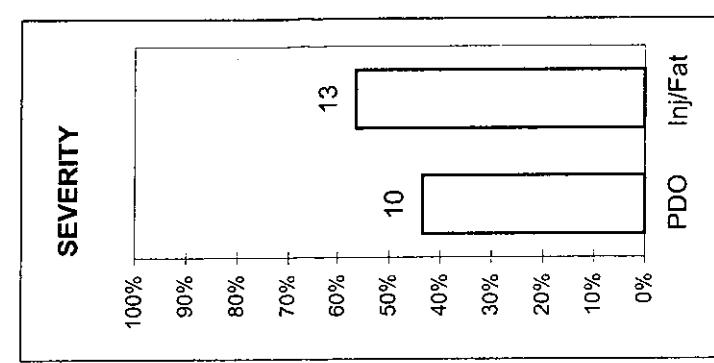
County Pike Main Roadway S.R. 32
 Intersecting Roadway S.R. 220

Prepared by R. Chaffin Date 08/26/04

2001 2003
 Begin SLM 20.00 End SLM 0

Office of Traffic Engineering

Year	ROADWAY CONDITION												CRASH TYPE												
	DAY	NITE	N. S.	DRY	WET	N. S.	L. T.	R. T.	ANGLE	REAREND	HEAD ON	S. S.	F. O.	OTHER	Total	PDO	I/F								
2001	1	3	0	1	0	0	0	0	1	0	0	0	0	0	13										
2002	5	5	0	1	0	0	3	5	2	1	0	0	0	0	5										
2003	3	1	0	0	0	4	2	0	1	0	0	0	0	0	3										
Subtotal	9	11	1	2	0	0	8	11	2	2	0	0	1	0	9	11	1	0	0	0	1	0	0	0	3
Total	20	3	0	0	19	4	0	0	1	0	0	0	0	0	20	1	0	0	1	0	0	0	0	0	13



(BEFORE OVERHEAD FLASHERS)

OHIO DEPARTMENT OF HIGHWAYS

BUREAU OF TRAFFIC

SPEED CHECK

RADAR TYPE SPEED METER

Location S.R. 32 @ 220 Intersection (1000' in advance of Intersection)

Date 11-13-00 Day Monday County Pike

Observer R. Chaffin, G. Manson

Type Pavement Bituminous Dry Wet Condition Good Width 48'

Type Pavement Concretes Dry Wet Condition Normal
Weather Cloudy Temperature 45°

W bound, Time 9:00 A M to 9:52 A M				M.P.H.	E bound, Time 9:00 A M to 9:52 A M				
Cum. %	Cum. Total	No.	Vehicles		Vehicles		No.	Cum. Total	Cum. %
			Passenger Cars	Commercial	Passenger Cars	Commercial			
				Over					
				90.0					
				88.0					
				86.0					
				84.0					
				82.0					
				80.0					
				78.0					
100	101	1	1	76.0					
99	100	1	1	74.0					
98	99	2	11	72.0					
96	97	5	111	70.0					
91	92	5	111	68.0	1111	11	6	100	100
86	87	6	1111	66.0	111111		8	94	94
80	81	19	111111111	64.0	1111111		9	86	86
62	9	1111111		62.0	1111111	111	12	77	77
53	15	111111		60.0	1111111		10	65	
38	15	111111		58.0	111111111	111111	23	55	
23	9	11111		56.0	1111111	111111	13	32	
14	6	11111		54.0	1111111	111111	13	19	
8	5	11		52.0	1111111	111111	5	6	
				50.0	1111111	111111	1	1	
3	2	1		48.0					
				46.0					
1	1			44.0					
				42.0					
				40.0					
				38.0					
				36.0					
				34.0					
				32.0					
				30.0					
				28.0					
				26.0					
				24.0					
				22.0					
				20.0					
				18.0					
				16.0					
				14.0					
				Below					
				Totals					

(AFTER OVERHEAD FLASHERS)

Flasher Installed 10-2-02

OHIO DEPARTMENT OF HIGHWAYS

BUREAU OF TRAFFIC

SPEED CHECK

RADAR TYPE SPEED METER

Location S.R. 32 @ S.R. 220
 Date 8-25-04 Day Wednesday County PIKE
 Observer P. Choffin, G. Baird
 Type Pavement Pavement Dry Wet Condition Good Width 4 Lane
 Weather Cloudy Temperature 85°

WB bound, Time 12:05 P.M. to 1:05 P.M.					EB bound, Time 12:05 P.M. to 1:05 P.M.					
Cum. % 100 99 97 90 82 75 54 35 20 9 3 1	Cum. Total 120 119 116 108 98 23 19 15 11 6 2 1	No.	Vehicles		M.P.H.	Vehicles		No.	Cum. Total 155 154 147 139 123 85 56 27 14 4 1	Cum. % 100 99 99 95 90 79 85 56 27 14 4 1
			Passenger Cars	Commercial		Passenger Cars	Commercial			
			Over							
			90.0							
			88.0							
			86.0							
			84.0							
			82.0							
			80.0							
			78.0							
			76.0							
			74.0							
			72.0							
			70.0	I				1	100	
			68.0	II				7	99	
			66.0	II				8	95	
			64.0	II				16	90	
			62.0	II	II	II		38	79	
			60.0	II	II	II		29	85	
			58.0	II	II	II		29	56	
			56.0	II	II	II		13	27	
			54.0	II	II	II		10	14	
			52.0	II	II	II		3	4	
			50.0					1	1	
			48.0							
			46.0							
			44.0							
			42.0							
			40.0							
			38.0							
			36.0							
			34.0							
			32.0							
			30.0							
			28.0							
			26.0							
			24.0							
			22.0							
			20.0							
			18.0							
			16.0							
			14.0							
			Below							
			Totals							

85 Percentile - 63 mph Pace 54 - 64 mph

(9)

SIGNAL WARRANT DATA SHEET

Pik 32 & 220 / Germany Rd

Study By: R Chaffin

Date: 09/20/04

Date of Counts: 09/15/04

Condition A - Minimum Vehicular Volume

Vehicles per hour on MAJOR street (total of both approaches)		Vehicles per hour on higher-volume MINOR -street approach (one direction only)		Comments:	
	Combination / Crash Experience		Combination / Crash Experience		
70% 420	56% 335	70% 105	56% 84	The number of lanes used for moving traffic on each approach for the Major street was 2 or more.	
				The volume requirements were reduced 70% since the speed limit on the Major street exceeds 40 mph OR this location is within an isolated community with a population of less than 10,000.	

Condition B - Interruption of Continuous Traffic

Vehicles per hour on MAJOR street (total of both approaches)		Vehicles per hour on higher-volume MINOR -street approach (one direction only)		Comments:	
	Combination / Crash Experience		Combination / Crash Experience		
70% 630	56% 504	70% 53	56% 42		

HOUR	MAJOR STREET	MINOR APPROACH		Condition A	Condition B	Condition A Crash Experience	Condition B Crash Experience
		S.R. 32 Volume	S.R. 220 Volume				
6-7 AM	610	33	94	NO	NO	YES	YES
7-8 AM	599	65	76	NO	NO	NO	YES
8-9 AM	485	45	56	NO	NO	NO	NO
9-10 AM	402	34	32	NO	NO	NO	NO
10-11 AM	400	50	37	NO	NO	NO	NO
11-12 AM	406	57	39	NO	NO	NO	NO
12-1 PM	434	59	41	NO	NO	NO	NO
1-2 PM	484	69	46	NO	NO	NO	NO
2-3 PM	589	96	47	NO	NO	NO	NO
3-4 PM	698	134	39	YES	YES	YES	YES
4-5 PM	725	168	45	YES	YES	YES	YES
5-6 PM	596	149	33	NO	NO	NO	NO

Hours that met warrant:

3

2

5

6

*This indicates that the volumes meet the requirements set for the Crash Experience Warrant. It does not indicate that the warrant is met. Please see OMUTCD Section 4C.08 for other necessary criteria.

NO	NO	NO	NO
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NO

NO

Combination Warrant:

OHIO DEPARTMENT OF TRANSPORTATION

District 9 Planning
650 Eastern Ave., Chillicothe, OH 45601
1-888-819-8501

File Name : PIk-32-220
Site Code : 00005566
Start Date : 09/15/2004
Page No : 1

		S.R. 220 From North										S.R. 32 From East										S.R. 32 From South										S.R. 32 From West	
Start Time	Factor	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total						
06:00 AM	0	0	2	0	1.0	1.0	2	33	48	0	0	81	0	12	8	0	20	1	26	0	0	27	130	0	0	0	0	0	27				
06:15 AM	0	2	11	0	1.0	1.0	13	42	76	0	0	118	0	20	6	0	26	3	39	0	0	0	42	199	0	0	0	0	0	42			
06:30 AM	0	0	6	0	1.0	1.0	6	78	81	0	0	159	0	27	7	0	34	0	36	1	0	0	37	236	0	0	0	0	0	37			
06:45 AM	1	3	8	0	1.0	1.0	12	37	70	0	0	107	0	9	5	0	14	3	36	0	0	0	39	172	0	0	0	0	0	39			
Total	1	5	27	0	33	190	275	0	0	465	0	68	26	0	94	7	137	1	0	0	0	0	145	737	0	0	0	0	0	145			
07:00 AM	0	5	10	0	1.0	1.0	15	24	72	1	0	97	0	9	13	0	22	5	43	0	0	0	48	182	0	0	0	0	0	48			
07:15 AM	0	3	13	0	1.0	1.0	16	31	53	0	0	84	0	8	12	0	20	5	55	0	0	0	59	60	0	0	0	0	0	59			
07:30 AM	0	2	17	0	1.0	1.0	19	36	89	0	0	125	0	11	9	0	20	3	33	0	0	0	36	200	0	0	0	0	0	36			
07:45 AM	0	2	13	0	1.0	1.0	15	30	72	0	0	102	0	4	10	0	14	3	44	0	0	0	47	178	0	0	0	0	0	47			
Total	0	12	53	0	65	121	286	1	0	408	0	32	44	0	76	16	175	0	0	0	0	0	191	740	0	0	0	0	0	191			
08:00 AM	1	5	6	0	1.0	1.0	12	31	67	0	0	98	0	5	4	0	9	5	55	1	0	0	61	180	0	0	0	0	0	61			
08:15 AM	0	4	4	0	1.0	1.0	8	23	47	0	0	70	0	8	3	0	11	2	43	0	0	0	45	134	0	0	0	0	0	45			
08:30 AM	0	4	5	0	1.0	1.0	9	21	43	1	0	65	0	12	7	0	19	6	39	0	0	0	45	138	0	0	0	0	0	45			
08:45 AM	1	6	9	0	1.0	1.0	16	24	44	1	0	69	2	9	6	0	17	0	32	0	0	0	32	134	0	0	0	0	0	32			
Total	2	19	24	0	45	99	201	2	0	302	2	34	20	0	56	13	169	1	0	0	0	0	183	586	0	0	0	0	0	586			
09:00 AM	0	2	6	0	1.0	1.0	8	16	36	1	0	53	0	2	4	0	6	7	47	0	0	0	54	121	0	0	0	0	0	54			
09:15 AM	0	3	6	0	1.0	1.0	9	14	37	0	0	51	2	8	4	0	14	4	42	0	0	0	46	120	0	0	0	0	0	46			
09:30 AM	0	1	11	0	1.0	1.0	12	13	39	0	0	52	1	2	3	0	6	2	42	0	0	0	44	114	0	0	0	0	0	44			
09:45 AM	0	1	4	0	1.0	1.0	5	16	50	0	0	66	0	3	3	0	6	3	32	0	0	0	36	113	0	0	0	0	0	36			
Total	0	7	27	0	34	59	162	1	0	222	3	15	14	0	32	16	163	0	0	0	0	0	180	468	0	0	0	0	0	468			
10:00 AM	0	3	9	0	1.0	1.0	12	21	38	1	0	60	1	3	3	0	7	1	41	0	0	0	42	121	0	0	0	0	0	42			
10:15 AM	0	2	16	0	1.0	1.0	18	15	30	0	0	45	0	6	4	0	10	6	52	2	0	0	60	133	0	0	0	0	0	60			
10:30 AM	1	2	7	0	1.0	1.0	10	18	31	0	0	49	0	9	3	0	12	5	36	0	0	0	41	112	0	0	0	0	0	41			
10:45 AM	1	1	8	0	1.0	1.0	10	13	35	2	0	50	1	6	1	0	8	3	30	0	0	0	53	121	0	0	0	0	0	53			
Total	2	8	40	0	50	67	134	3	0	204	2	24	11	0	37	15	179	2	0	0	0	0	196	487	0	0	0	0	0	487			
11:00 AM	0	5	9	0	1.0	1.0	14	8	40	1	0	49	1	2	3	0	6	1	56	1	0	0	58	127	0	0	0	0	0	58			
11:15 AM	1	4	11	0	1.0	1.0	16	10	39	0	0	49	0	6	4	0	10	8	38	0	0	0	46	121	0	0	0	0	0	46			
11:30 AM	1	3	9	0	1.0	1.0	13	11	40	0	0	51	2	9	3	0	14	6	38	0	0	0	44	122	0	0	0	0	0	44			
11:45 AM	1	2	11	0	1.0	1.0	14	14	48	0	0	62	0	5	4	0	9	2	44	1	0	0	47	132	0	0	0	0	0	47			
Total	3	14	40	0	57	43	167	1	0	211	3	22	14	0	39	17	176	2	0	0	0	0	195	502	0	0	0	0	0	502			
12:00 PM	0	6	14	0	1.0	1.0	20	21	36	0	0	57	0	4	4	0	8	2	54	1	0	0	57	142	0	0	0	0	0	57			
12:15 PM	0	3	8	0	1.0	1.0	11	13	33	2	0	48	0	3	4	0	7	7	40	0	0	0	47	113	0	0	0	0	0	47			
12:30 PM	0	2	13	0	1.0	1.0	15	15	41	1	0	57	1	5	6	0	12	4	50	0	0	0	54	138	0	0	0	0	0	54			
12:45 PM	0	5	8	0	1.0	1.0	13	13	40	0	0	59	1	7	6	0	14	8	47	0	0	0	55	141	0	0	0	0	0	55			
Total	0	16	43	0	59	68	150	3	0	221	2	19	20	0	41	21	191	1	0	0	0	0	213	534	0	0	0	0	0	534			

OHIO DEPARTMENT OF TRANSPORTATION

District 9 Planning

650 Eastern Ave., Chillicothe, OH 45601
1-888-819-8501

File Name : PIk-32-220
Site Code : 00005566
Start Date : 09/15/2004
Page No : 2

Start Time	SR. 220						Groups Printed- Unshifted - Bank 1						S.R. 32					
	From North			From East			Germany Rd From South			From West			S.R. 32					
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total		
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
01:00 PM	0	4	12	0	16	12	49	0	0	61	0	4	3	0	7	4	45	
01:15 PM	0	6	14	0	20	27	44	1	0	72	0	6	9	0	15	7	129	
01:30 PM	0	5	7	0	12	13	48	2	0	63	0	8	4	0	12	8	169	
01:45 PM	0	6	15	0	21	14	53	1	0	68	0	5	7	0	12	8	152	
Total	0	21	48	0	69	66	194	4	0	264	0	23	23	0	46	28	149	
02:00 PM	0	7	19	0	26	29	62	0	0	91	1	11	6	0	18	10	202	
02:15 PM	1	8	15	0	24	22	57	0	0	79	1	5	8	0	14	8	185	
02:30 PM	1	5	16	0	22	26	41	1	0	68	0	6	5	0	11	11	181	
02:45 PM	1	8	15	0	24	19	41	0	0	60	0	4	0	0	4	7	80	
Total	3	28	65	0	96	96	201	1	0	298	2	26	19	0	47	36	732	
03:00 PM	0	7	18	0	25	18	55	1	0	74	0	7	6	0	13	12	195	
03:15 PM	0	14	32	0	46	15	58	0	0	73	0	4	1	0	5	13	231	
03:30 PM	0	9	18	0	27	22	57	0	0	79	0	5	5	0	10	9	218	
03:45 PM	0	9	27	0	36	21	71	0	0	92	2	6	3	0	11	12	227	
Total	0	39	95	0	134	76	241	1	0	318	2	22	15	0	39	46	871	
04:00 PM	0	6	22	0	28	19	52	0	0	71	0	9	3	0	12	19	195	
04:15 PM	1	16	46	0	63	19	42	0	0	61	1	6	2	0	9	16	236	
04:30 PM	0	15	29	0	44	16	46	2	1	59	0	9	3	0	12	16	247	
04:45 PM	0	16	17	0	33	22	49	0	0	71	1	10	5	0	12	16	238	
Total	1	53	114	0	168	76	183	2	1	262	2	34	9	0	45	62	463	
05:00 PM	0	16	29	0	45	20	40	1	0	61	2	6	6	0	14	14	215	
05:15 PM	1	10	22	0	33	17	35	1	0	53	0	2	5	0	7	11	184	
05:30 PM	1	12	27	0	40	24	47	2	0	73	2	3	3	0	8	9	208	
05:45 PM	1	9	21	0	31	19	55	0	0	74	0	3	1	0	4	7	171	
Total	3	47	99	0	149	80	177	4	0	261	4	14	15	0	33	41	778	
Grand Total	15	269	675	0	959	1041	2371	23	1	3436	22	333	230	0	585	318	2992	
Approch %	1.6	28.1	70.4	0.0	30.3	69.0	0.7	0.0	0.3	3.8	56.9	39.3	0.0	10.6	89.0	10	7972	
Total %	0.2	3.4	8.5	0.0	12.0	13.1	29.7	0.3	0.0	43.1	4.2	2.9	0.0	7.3	4.0	33.4	0.1	37.5

OHIO DEPARTMENT OF TRANSPORTATION - DIVISION OF MULTI-MODEL PLANNING & PROGRAMS -
OFFICE OF TECHNICAL SERVICES

INTERSECTION TRAFFIC COUNT SHOWING TURNING MOVEMENTS

Co.	Station No.	Route	Log	Location
Pike 5566	S.R. 32	19.23	@ S.R. 220 / Germany Rd.	

Recorder	Hour	Period	Day	Date	Weather	Road Condition
:	:	:	:	/	/	
:	:	:	:	/	/	
:	:	:	:	/	/	
Leg Names: <u>S.R. 32 West</u>				Counter No. _____		
<u>S.R. 32 East</u>				Expansion Factor: P&A _____		
<u>S.R. 220 North</u>				Expansion Factor: B&C _____		
<u>Germany Rd. South</u>				Seasonal Factor: _____		

TRAFFIC ACCIDENT ANALYSIS

Division No. 09

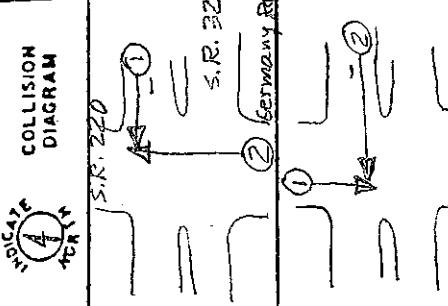
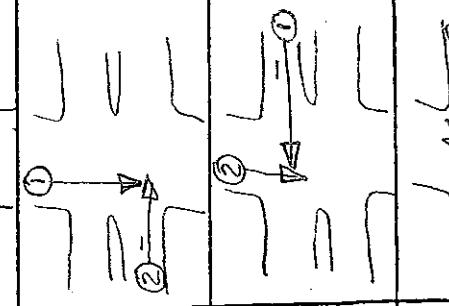
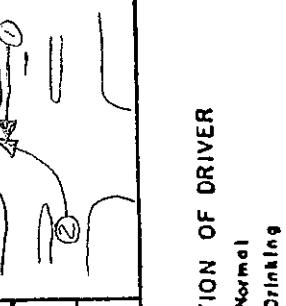
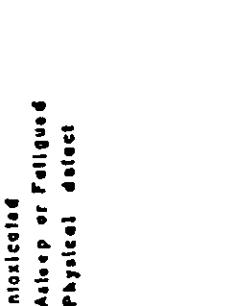
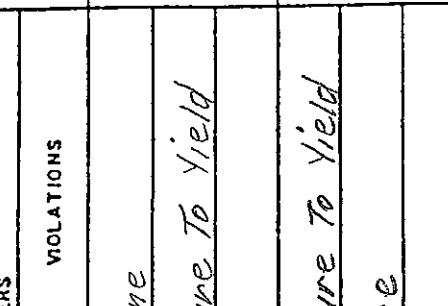
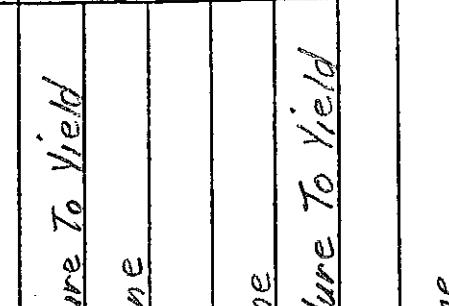
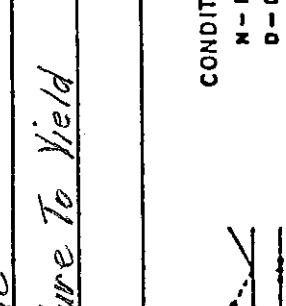
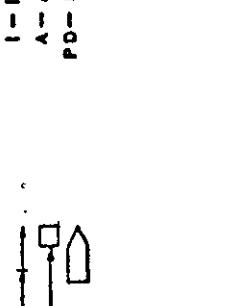
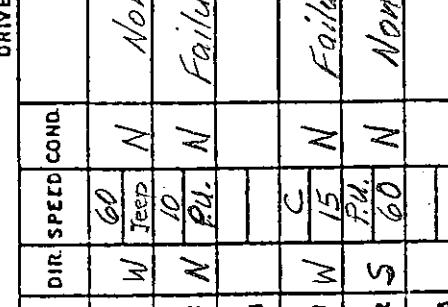
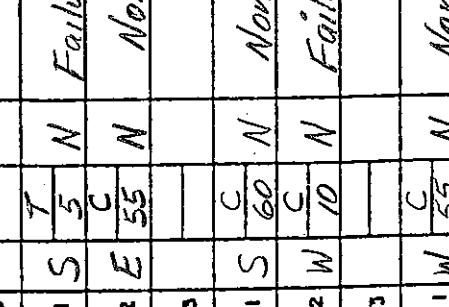
Time Period: From 1-1-01 to 12-31-01

Report No. _____

Location S.R. 32 & 220

County Pike

Page No. 1 of 1

DATE OF ACCIDENT	TIME	LIGHT	X.	INJ.	PD.	#	WEATHER	ROAD COND.	LOCATION OF ACCIDENT		TYPE OF DAY	VEH.	DIR.	SPEED	COND.	DRIVERS	VIOLATIONS	COLLISION DIAGRAM
									REMARKS	DAY								
018025712	P 1-4-01	D	0	0		#	Clear	Dry	Angle	Jeep	1	W	60	N	None			
#2, 24, M, Lucasville, OH									Thru	Dodge	2	N	10	N	Failure To Yield			
028010683	P 1-7-01	N	0	1		#	Cloudy	Dry	Angle	Dodge	1	W	15	N	Failure To Yield			
#1, 39, F, Jackson, OH									Thru	Ford	2	S	74	N	None			
018102203	A 5-14-01	D	0	1		#	Clear	Dry	Angle	Ford	1	S	5	N	Failure To Yield			
#1, 20, M, Lucasville, OH									Mon	Ford	2	E	55	N	None			
018255090	P 9-14-01	D	0	2		#	Cloudy	Dry	Angle	Ford	1	S	60	N	None			
#2, 26, F, Minford, OH									Fri	Hyun	2	W	10	N	Failure To Yield			
018275196	P 10-17-01	D	0	3		#	Clear	Dry	Angle	Veh	1	W	35	N	None			
#2, 22, M, Piketon, OH									Wed	Ford	2	N	?	N	Failure To Yield			

LEGEND

DIRECTIONAL ANALYSIS

- Motor vehicle movement before accident
- Vehicle movement after accident
- Pedestrian movement
- Skidding vehicle
- Vehicle out of control

N

D

I

A

P

PD

CONDITION OF DRIVER

- Normal
- Drinking
- Intoxicated
- Asleep or Fatigued
- Physical defect

TRAFFIC ACCIDENT ANALYSIS

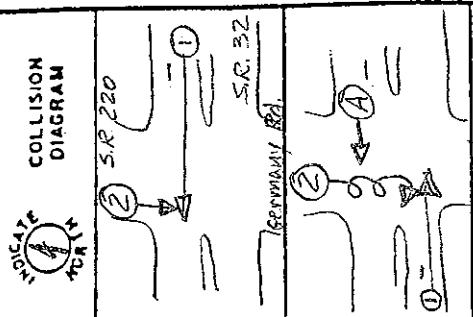
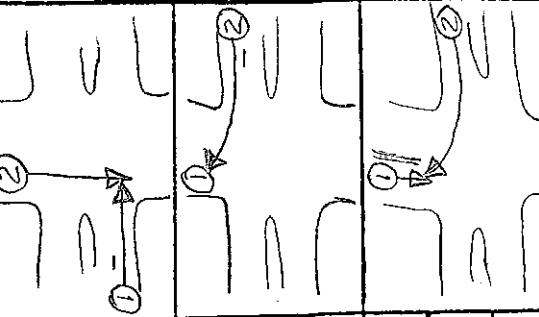
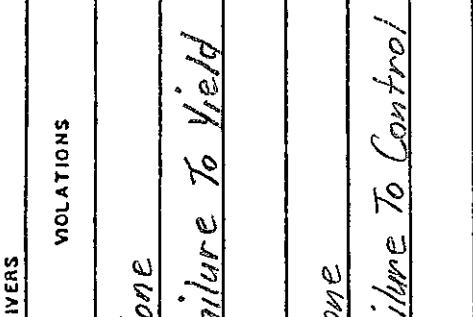
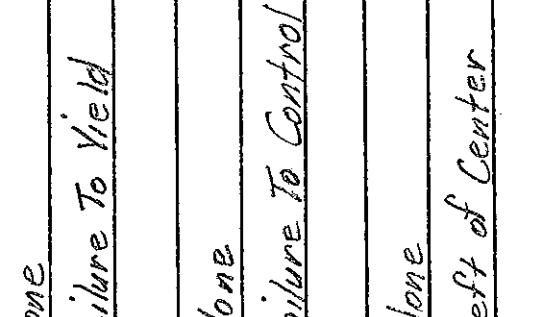
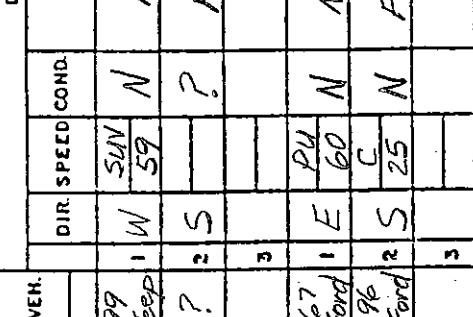
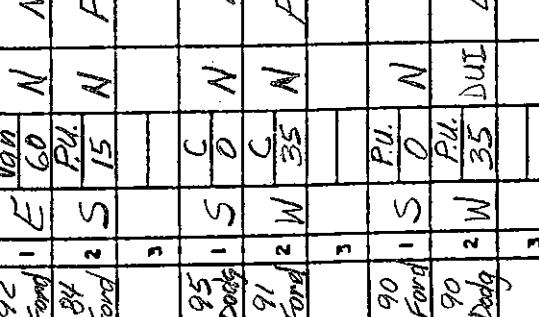
Division No. 09

Time Period: From 1-1-02 to 12-31-02

Location S.R. 32 & 220

County Pike

Report No. 1 of 3

DATE OF ACCIDENT	TIME	LOCATION OF ACCIDENT		TYPE B. DAY	VEH.	DIR.	SPEED COND.	DRIVERS		VIOLATIONS	COLLISION DIAGRAM
		LIGHT	X. INJ.					PD. -	WEATHER	ROAD COND.	
02-08-02	3:45 P	D	0	Clear	Dry	Angle	99	W	Sun	N	
2-11-02	2:40 P	D	0	Cloudy	Dry	Angle	59	N	None	? Failure To Yield	
? Left the scene		Man		?		S		?		Failure To Yield	
#2, 23, M, Oak Hill, OH											
02-08-02	3:45 P	D	0	Rain	Wet	Angle	67	E	P.U.	N	
3-15-02	2:40 P	D	0	Rain	Wet	Angle	60	E	P.U.	N	
#2, 25, M, Portsmouth, OH		Fri		Fri		S		C		Failure To Control	
#2, 17, F, Piketon, OH											
02-08-02	3:15 P	D	0	Rain	Wet	Angle	95	S	C	N	
4-14-02	8:45 P	N	0	Rain	Wet	Angle	91	S	C	N	
#2, 46, M, Chillicothe, OH		Fri		Fri		S		P.U.		Left of Center	
#2, 46, M, Chillicothe, OH											

LEGEND

DIRECTIONAL ANALYSIS

- Motor vehicle movement before accident
- Vehicle movement after accident
- Pedestrian movement
- Skidding vehicle
- Vehicle overturning
- Out of control
- Sidewipe
- Head-on collision
- Rear-end collision
- Vehicle struck fixed object
- Parked vehicle

Condition of Driver

<input type="checkbox"/>	N - Normal
<input type="checkbox"/>	D - Drinking
<input type="checkbox"/>	I - Intoxicated
<input type="checkbox"/>	A - Asleep or Fatigued
<input type="checkbox"/>	PD - Physical defect

(15)

TRAFFIC ACCIDENT ANALYSIS

Division No. 09

Time Period: From 1-1-02 to 12-31-02

Location S.R. 32 & 220

County Pike Page No. 2 of 3

 COLLISION DIAGRAM

DATE OF ACCIDENT	TIME	LIGHT	X.	INJ.	PO - #	WEATHER	ROAD COND.	TYPE DAY	VEH.	DRIVERS		VIOLATIONS	
										DIR.	SPEED COND.	DIR.	SPEED COND.
REMARKS													
028129851 5-14-02	5:00	P	D	0	2	Cloudy	Dry	Angle	Pont.	E	C 55	N	None
#2, 67, F, Minford, OH													
028189519 6-29-02	8:12	A	D	0	1	Fog	Dry	Angle	Ford	W	C 57	N	None
#2, 30, M, Chillicothe, OH													
028205359 7-15-02	2:50	P	D	0	0	Clear	Dry	Angle	Pont.	N	S 50	N	Failure To Yield
#1, 33, F, Beaver, OH													
028265308 9-25-02	3:30	P	D	0	2	Cloudy	Dry	Angle	Chry.	E	Van 60	N	None
#2, 17, F, Beaver, OH													
028265309 9-25-02	4:12	P	D	0	0	Clear	Dry	Angle	Ford	W	C 45	N	None
#2, 28, F, Beaver, OH													

LEGEND

DIRECTIONAL ANALYSIS

- Motor vehicle movement before accident _____
- Vehicle movement after accident _____
- Pedestrian movement _____
- Sliding vehicle _____
- Vehicle overtaking out of control _____
- Side swipe _____
- Head-on collision _____
- Rear-end collision _____
- Vehicle struck fixed object _____
- Parked vehicle _____

CONDITION OF DRIVER

- N - Normal _____
- O - Drinking _____
- I - Intoxicated _____
- A - Asleep or fatigued _____
- PD - Physical defect _____

TRAFFIC ACCIDENT ANALYSIS

Division No 09

Time Period From 1-1-02 to 12-31-02

Report No. _____

Location S.R. 32 E 220

Page No. 3 of 3

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LOCATION OF ACCIDENT

DRAFT

DIRECTIONAL ANALYSIS

Form TS-AR-12 Ohio Department of Highways-Bureau of Traffic

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TRAFFIC ACCIDENT ANALYSIS

Division No 09

Time Period: From 1-1-03 to 12-31-03

S.R. 32 § 220

County Pike Page No 1 of 2

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CONTENTS

LOCATION OF ACCIDENT

COLLISION DIAGRAM

LOCATION OF ACCIDENT							DRIVERS					
DATE OF ACCIDENT	TIME	LIGHT	K.	INJ.	PD-#	WEATHER	ROAD COND	TYPE 8 DAY	VEH.	DIR.	SPEED COND.	VIOLATIONS
03801340 1-17-03	P 3:40	Δ	0	0		Cloudy	Dry	Angle	Ford 92	W N	C 10	None Failure To Yield
#2, 20, M, Piketon, OH							Fri	Pym				germany
038076276 3-4-03	P 2:10	Δ	0	0		Clear	Dry	Angle	Ford 02	W N	C 30	None Failure To Yield
#2, 79, M, Piketon, OH							Tue	Toyo				
038137530 4-18-03	P 4:25	Δ	0	0		Cloudy	Dry	Angle	Chev 87	W N	C 5	None Failure To Yield
#1, 34, M, West Chester, OH							Fri	Aiale				
038149537 5-18-03	P 3:40	Δ	0	3		Cloudy	Dry	Angle	Chev 96	W Miss	C 65	None Failure To Yield
#2, 45, M, Batavia, OH							Sun	Toro				
038199066 7-9-03	P 2:05	Δ	0	2		Clear	Dry	Angle	Data 97	S W	C 60	None Failure To Yield
#1, 39, F, Lucasville, OH							Wed	Merc				

BEGRENZ

N - Normal
D - Drinking
I - Intoxicated
A - Asleep or Relaxed
PD - Physical defect

DIRECTIONAL ANALYSIS

Motor vehicle movement before accident _____

Pedestrian movement _____

Vehicle movement after accident _____

Head _____

Rear _____

Veh _____

Park _____

Vehicle overturning [out of control]

HARRIC ACCIDENT ANALYSIS

Division No. 09

Time Period: From 1-1-03 to 12-31-03

1-1-03 to 12-31-03

1-1-03 to 12-31-03

S.R. 32 & 220

Convict Pike

Country Pike Page No. 2 of 2

Page No. 2 of 2

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DIRECTIONAL ANALYSIS

- Motor vehicle movement before accident _____
 Vehicle movement after accident _____
 Pedestrian movement _____
 Skidding vehicle _____
 Vehicle overturning _____

- N - Normal
 D - Drinking
 I - Intoxicated
 A - Asleep or Relaxed
 PDI - physical defect