

650 Eastern Avenue
Chillicothe, Ohio

September 28, 1961

Mr. R. E. Conner, Acting Engineer
Bureau of Traffic
Ohio Department of Highways
450 E. Town Street
Columbus 15, Ohio

Attn: Robert D. McMillen, Engineer

RE: SR 139, Rosemont Road, Scioto County

Dear Sir:

Attached hereto are pictures of the above intersection, on which a report was forwarded to you on August 16, 1961, concerning a speed zone, flasher, and/or relocation in this area.

Very truly yours

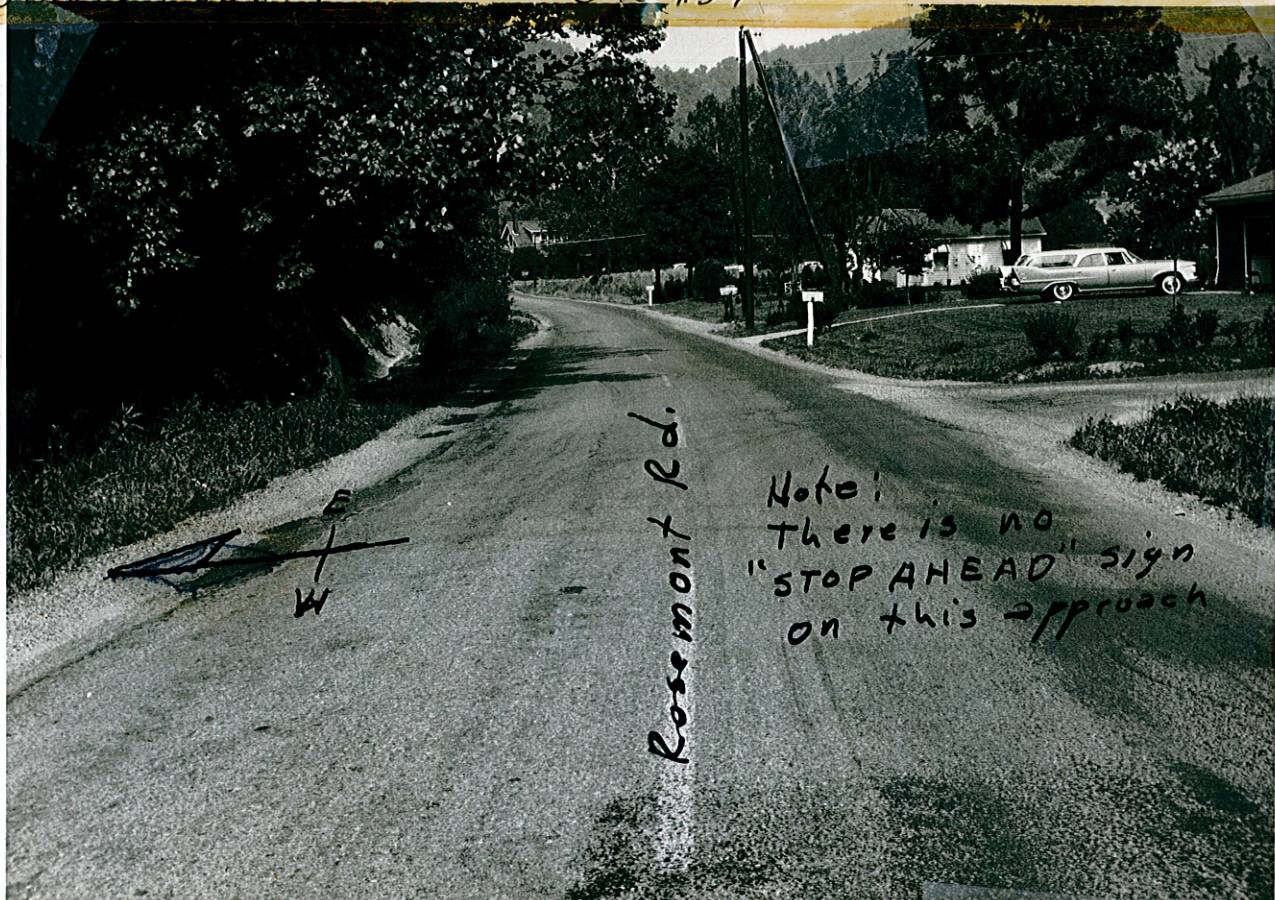
O. Carson Barklow
Division Engineer

William R. Wright
Division Traffic Engineer

OCB:WRW:lfv
Attns.
cc: Files

Scioto County

SR 139



Rosemont Rd.

Note:
There is no
"STOP AHEAD" sign
on this approach

Looking East

500' W



Rosemont Rd.

Looking East

200' W.

Scioto County

SR 139

Rosemont Rd



Looking South

Cross Corner



Looking North

Cross corner

SCIO TO COUNTY

SR 139

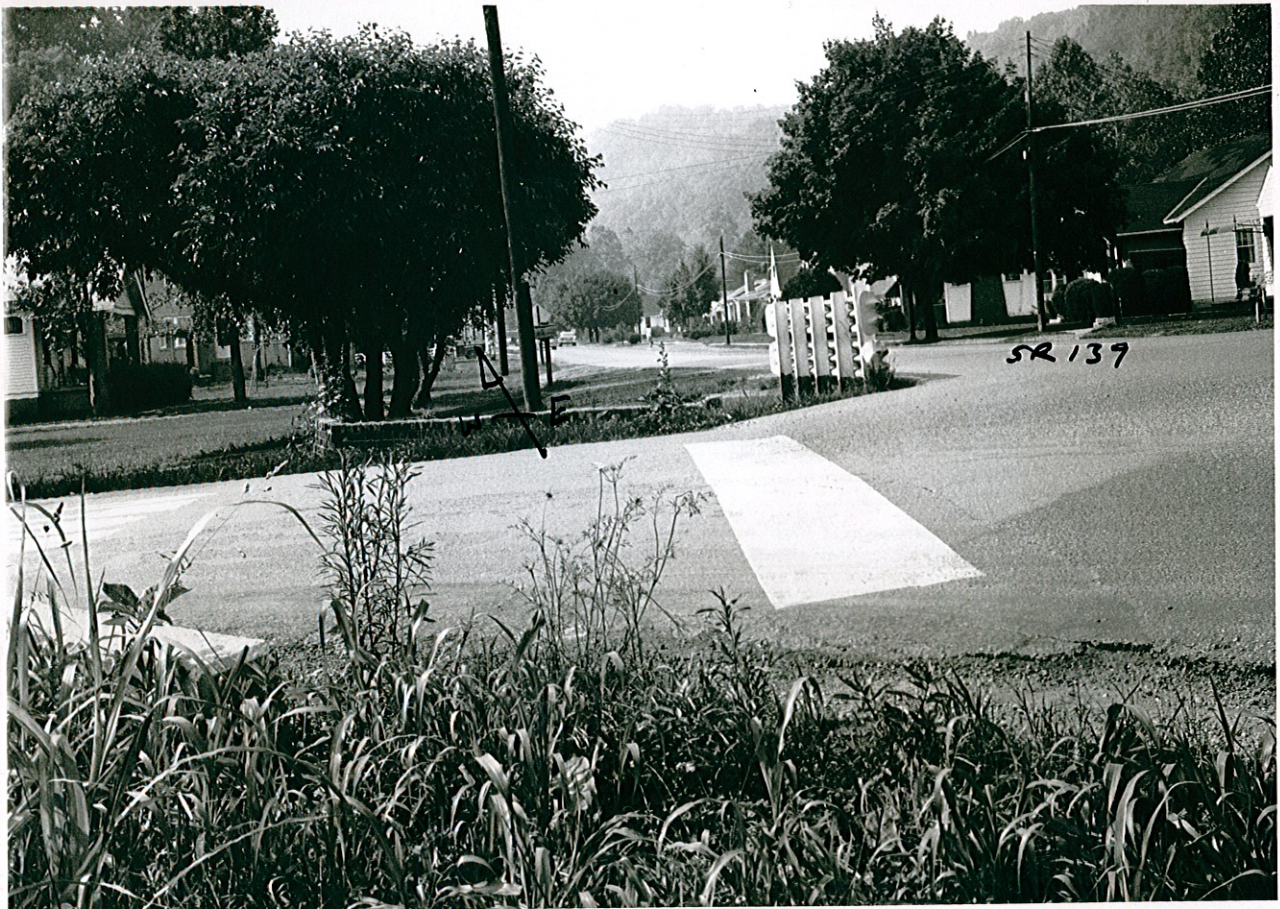
ROSEMONT RD.



SR 139

LOOKING SOUTH

CROSS CORNER



SR 139

LOOKING NORTH

CROSS CORNER

Scioto County

SR 139

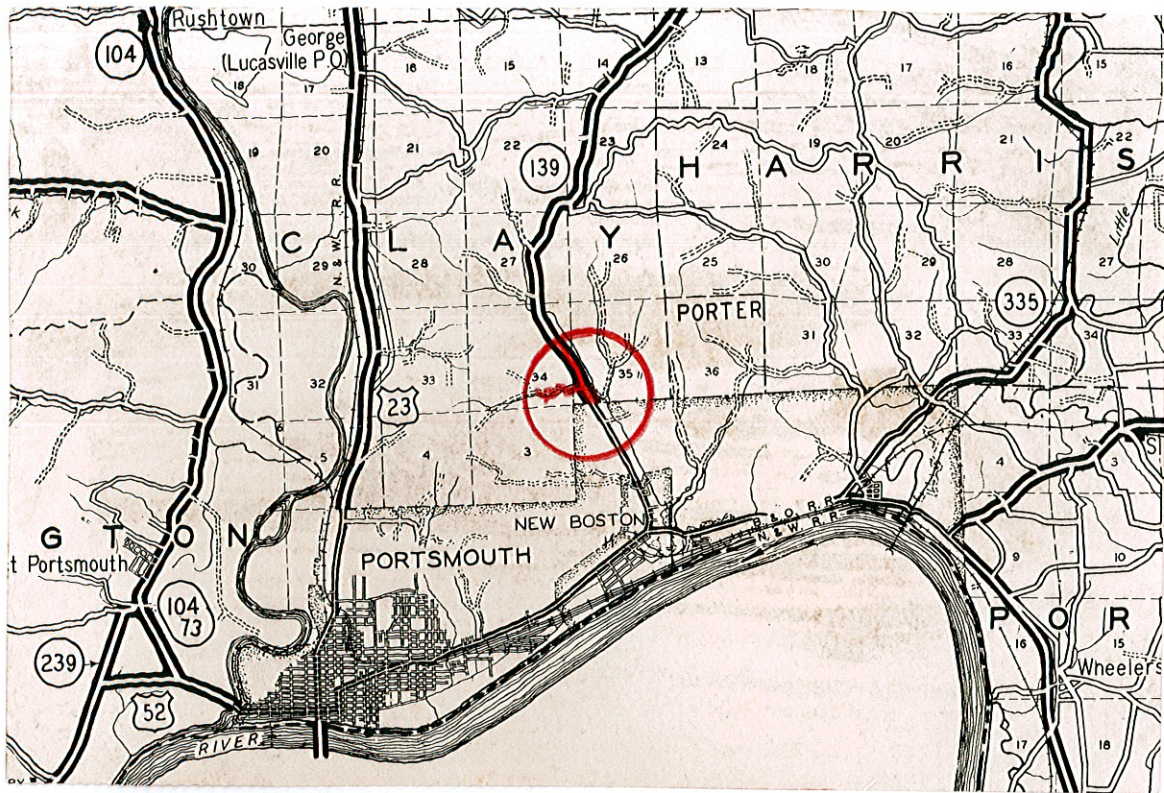


SR 139

Rosemont Rd

Looking Southwest

cross corner



Looking East

100' W



Looking West

From SR139



Looking West

150' W of SR139



Looking west 300' W of SR139



LOOKING SOUTH

1000' NORTH OF ROSEMONT RD.



LOOKING SOUTH

500' NORTH OF ROSEMONT RD.



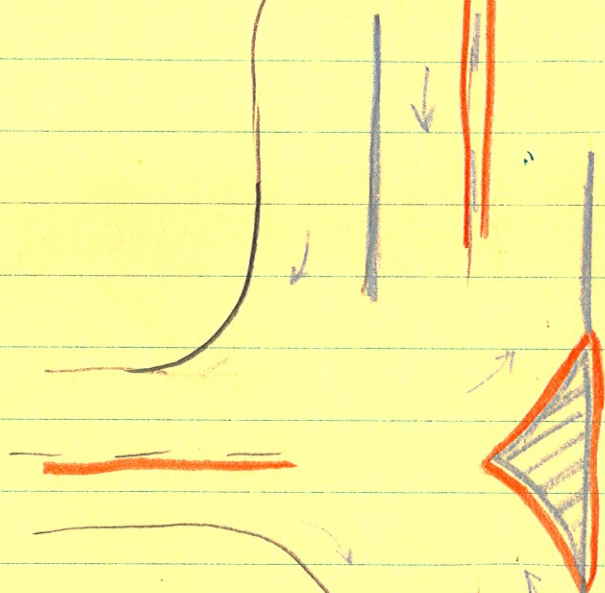
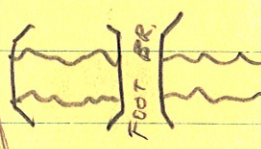
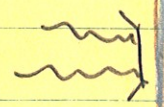
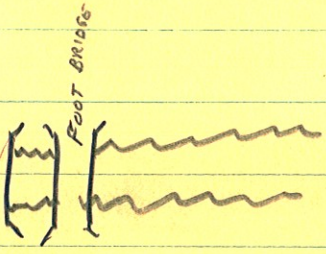
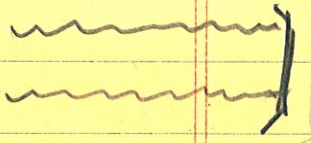
LOOKING SOUTH

200' NORTH OF ROSEMONT RD.



LOOKING SOUTH

100' NORTH OF ROSEMONT RD.



THRU TRAFFIC KEEP RIGHT



TRAFFIC ENGINEERING REPORT

INTERSECTION OF STATE ROUTE 139 AND
ROSEMONT ROAD (CR 377)-SCIOTO COUNTY

APPROVED: 15/ R. E. Conner JLR
Acting Engineer of Traffic

11-27-61
Date

LOCATION

The intersection of State Route 139 and Rosemont Rd. (CR 377) is located 0.25 miles north of Portsmouth in Scioto County.

PHYSICAL CONDITIONS

State Route 139 and Rosemont Road intersect to form a Three Way intersection. The cross-corner sight distance is restricted southward on SR 139 from the Rosemont Rd. approach for a distance of approximately 100 feet. This is due in part to high weeds and grass in the southwest quadrant. There are also two signs (SPEED LIMIT 45 and SCHOOL CROSSING) here which hinder the cross-corner sight distance. All approaches are approximately level.

SR 139 is 20 feet wide and has a T-35 surface. Rosemont Road has a T-32 surface and is 20 feet wide.

The abutting property in the area is intermediate residential.

EXISTING TRAFFIC CONTROL DEVICES

There is a "STOP" sign maintained on the Rosemont Road approach. However, there is no "STOP AHEAD" sign on this approach.

This section of SR 139 is speed zoned at 45 MPH and is so signed.

TRAFFIC PROBLEM

According to the enclosed Summary of Engineering Data Sheet, traffic volume at this intersection is insufficient to warrant a stop-and-go signal. The volume does not warrant a flasher. However, sight distance restrictions warrant the flasher.

RELATED DATA

During 1959 there were 3 accidents at this intersection, two of which were rear-end and one of which was an angle accident. In 1960, the intersection showed two accidents, both non-collision. During the first seven months of 1961, one accident, a side swipe, occurred here.

RECOMMENDATIONS

A. IMMEDIATE TRAFFIC IMPROVEMENTS

1. Install a red and yellow flasher at the intersection with the red facing Rosemont Road.
2. Install a 36" STOP AHEAD sign at approximately 600 feet west of the intersection on Rosemont Road.

RECOMMENDATIONS

A. IMMEDIATE TRAFFIC IMPROVEMENTS (Con't)

- ✓ 3. Relocate the SPEED LIMIT sign and the SCHOOL CROSSING sign in the southwest quadrant of the intersection.
- ✓ 4. Cut the weeds and high grass in the southwest quadrant of the intersection.
- ? 5. Install a side road warning sign on both approaches of SR 139 at 500 feet north and south of the intersection.
- ? 6. The speed zone on SR 139 should be reduced from 45 MPH to 35 MPH, from SLM 1.44 to 2.06.

B. CONSTRUCTION AND/OR MAINTENANCE

1. Widen SR 139 for 400 feet south and 200 feet north of the intersection in order to provide a left-turn storage lane for vehicles turning left onto Rosemont Road. This also involves widening the bridge on SR 139 over the stream which runs parallel to Rosemont Road.

Wright and Bates

gm



MICHAEL V. DISALLE
GOVERNOR

STATE OF OHIO

Division # 9
Barklow

Department of Highways

COLUMBUS 15

November 7, 1961

E. S. PRESTON
DIRECTOR

Mr. O. Carson Barklow
Division Engineer
State Highway Department
Chillicothe, Ohio

Dear Sir:

Enclosed is an approved Traffic Engineering Report for the intersection of State Route 139 and Rosemont Road (County Road 377) in Scioto County.

Immediate improvements recommended are: Installation of a red and yellow flasher at the intersection, installation of a 36" STOP AHEAD sign at approximately 600 feet west of the intersection, relocation of the SPEED LIMIT 45 MPH sign and the SCHOOL CROSSING SIGN on the south approach of State Route 139, installation of a side road warning sign on both approaches of State Route 139 at 500 feet north and south of the intersection, removal of weeds and brush in the southwest quadrant of the intersection and the reduction of the speed limit from 45 MPH to 35 MPH on State Route 139 from SIM 1.44 to 2.06. The division will be responsible for this work.

Construction recommendations are: widening of State Route 139 for 400 feet south and 200 feet north of the intersection, widening of the bridge on State Route 139 and installation of a left-turn storage lane on the south approach of State Route 139. Mr. Cremean, Engineer of Location and Design, will review this location and forward his recommendations to the division.

We appreciate the assistance of Mr. Wright in obtaining the field data for this report. I am sure these improvements will eliminate the hazardous conditions of this location.

Yours very truly,

R. E. Conner 7/8/61
Robert E. Conner
Acting Engineer
Bureau of Traffic

REC/gm
(GCD)

cc: Mr. Cremean
Mr. Tarbox
Mr. Wright
Mr. Kaiser
Mr. Fields
Mr. McMillen
Mr. Kassan
Mr. Dwy
File (2)



STATE OF OHIO

Department of Highways

COLUMBUS 15

MICHAEL V. DISALLE
GOVERNOR

650 Eastern Avenue
Chillicothe, Ohio

E. S. PRESTON
DIRECTOR

August 16, 1961

Mr. R. E. Conner, Acting Engineer
Bureau of Traffic
Ohio Department of Highways
450 E. Town Street
Columbus 15, Ohio

RE: SR 139, Rosemont Road, Scioto County

Dear Sir:

Enclosed is a petition requesting the Director, Ohio Department of Highways to reduce the present speed limit of 45 MPH through the above referenced area. They also request a flasher at Hinkley Hollow Road for a school crossing.

Vernal Rife, Jr., State Representative from Scioto County, has also requested the reduction of the speed limit through this section, and a flasher light at Rosemont Road.

This office has made a study of the problems and enclose herewith reports of radar speed checks, vehicle volume, observance of stop sign, warrants for speed zones, speed study data, condition diagram showing the culture and approaches to Rosemont Road, and photographs of the section. A plan for the relocation of Rosemont Road was referred to the Bureau of Maintenance and Location and Design sections for their consideration.

There are only ten houses located on the west side of SR 139, and no sidewalks, from which pedestrian traffic can be expected at the Hinkley Hollow Road crossing.

I discussed a present 50 MPH section on SR 139 in Portsmouth with local officials with the idea that it should also be reduced to 35 MPH so as not to have a short high-speed zone between two 35 MPH speed limit areas. They had no objections to this proposal.

R. E. Conner

August 16, 1951

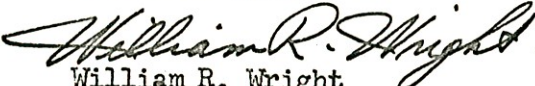
Our recommendations are as follows:

1. Reduce the prima facie speed limit of 45 MPH, Speed Limit Revision No. 1125, to 35 MPH from SLM 1.44, (north corporation of Portsmouth) to SLM 2.06.
2. Reduce the prima facie speed limit within Portsmouth, (now 50 MPH, outer urban) to 35 MPH from SLM 0.85 to SLM 1.44 (north corporation of Portsmouth). The speed limit from SLM 0.00 to SLM 0.85 is within New Boston and Portsmouth and is 35 MPH.
3. Repaint school cross walks at Hinkly Hollow Road.
4. Relocate the Rosemont Road intersection and widen bridge as shown on plan.
5. If Rosemont Road is not relocated recommend that a flasher be erected at the present intersection, amber to the north and south, SR 139, and red to the west, Rosemont Road.

Please expedite the recommendations for the reduction of speed limits so we may have it resigned and effective before school starts.

Very truly yours

O. Carson Barklow
Division Engineer


William R. Wright
Division Traffic Engineer

OCB:WRW:lfv
cc: Mr. Barklow
Mr. Martin
Mr. Fenner
Files

SUMMARY OF ENGINEERING DATA

COUNTY Scioto

INTERSECTION OF SR 139 & Rosemont Rd

DATE _____

TRAFFIC DATA

* (Indicate North)	LENGTH OF COUNT	FACTOR	West Approach to <u>SR 139</u>			Approach to _____			South Approach to <u>Rosemont</u>			North Approach to <u>Rosemont</u>			Total
			←	↑	→	↓	↘	↙	↗	↖	↘	↙			
	7-11 A.M.	0.96	33		114					218	122		332	75	894
	7-8 A.M. Peak		11		33					29	38		94	28	232

SPEED STUDY MADE ON SR 139 ON June 7 1961, _____ N S E W
 50 PERCENTILE SPEED 36 MPH 85 PERCENTILE SPEED 41 MPH

VEHICLES VIOLATING STOP SIGN IN 8-hrs. — APP number — APP number

PEDESTRIANS CROSSED N APP _____, E APP _____, S APP _____, W APP _____, IN 8-hrs

REMARKS

ACCIDENT DATA

DATE		LIGHT		ROAD CONDITION				TYPE OF ACCIDENT								NO. ACCD'S.			
FROM	TO	DAY	NITE	DRY	WET	ICY	NOT ST	HEAD ON	ANG	TURN	SIDE SWIPE	REAR END	PED	NON COLL	OTHER	NOT STATED	FAT.	NON FAT.	TOTAL
<u>1-1-60</u>	<u>12-31-60</u>	<u>1</u>	<u>1</u>	<u>2</u>										<u>2</u>			<u>0</u>	<u>2</u>	<u>2</u>
<u>1-1-61</u>	<u>7-31-61</u>	<u>1</u>		<u>1</u>							<u>1</u>						<u>0</u>	<u>1</u>	<u>1</u>
TOTAL		<u>2</u>	<u>1</u>	<u>3</u>							<u>1</u>			<u>2</u>			<u>0</u>	<u>3</u>	<u>3</u>

REMARKS _____

COMPLIANCE WITH MINIMUM WARRANTS *With seasonal factor of 0.96*

MINIMUM WARRANTS FOR INSTALLATION OF FIXED-TIME SIGNALS

WARRANTS	DESCRIPTION	RURAL MIN.	URBAN MIN.	COMPLIANCE WITH WARRANTS
MINIMUM VEHICULAR VOLUME	(a) Vehicle Volume, all approaches per hour for 8 hours, and (b) Vehicle volume, minor street, per hour for same 8 hours	(a) 500 hrs (b) 125 hrs	(a) 750 (b) 175	No
INTERRUPTION OF CONTINUOUS TRAFFIC	(a) Vehicle volume, along artery, per hour for 8 hours, and (b) Combined vehicle and pedestrian volume minor street, per hour for same 8 hours, and (c) Average vehicle speed on artery	(a) 500 hrs (a) 50 hrs (c) Over 35 <i>Unknown</i>	(a) 750 (b) 75 (c) Over 20	No
MINIMUM PEDESTRIAN VOLUME	(a) Pedestrian volume, crossing artery, per hour for 8 hours, and (b) Vehicle volume, along artery, per hour for same 8 hours, and (c) Average vehicle speed	(a) <i>125 Unknown</i> (b) 300 hrs (c) Over 30 <i>Unknown</i>	(a) 250 (b) 600 (c) Over 15	No
ACCIDENT HAZARD	(a) Adequate trial of less restrictive remedies with satisfactory observance and enforcement has failed to reduce the number of accidents, and (b) Total reported accidents of types susceptible of correction by a traffic signal, within 12 month period, and (c) Vehicle and Pedestrian volume	(b) 50 (c) Not less than 50% of the Minimum	(b) 5	No
COMBINATION OF WARRANTS		Two or more of above Warrants satisfied to extent of 80%		No

RECOMMENDED SPEED

35 MPH

Agreed - M.F.

WARRANTS FOR SPEED ZONES

RURAL

SR139 SCIOTO CO.

SLM 1.44 TO 2.06

0.62 OF A MILE

Value of Each Factor

Road Conditions	40	50	58	67	75	83	92	100		
1. Present Design Speed (MPH)	20	25	30	35	40	45	50	55	60	75
* 2. Length of proposed zone (Miles)						>0.5			<0.5	75
3. Minor public highways & private access points (No./Mile)			>10	41-50	31-40	21-30	16-20	11-15	0-10	50
4. State routes & thru county or twp. highways (No./Mile)		>7	7	6	5	4	3	2	0-1	67
5. Roadside businesses (No./Mile)		50% of front	>15	9-15	8	7	6	5	0-4	58
<u>Traffic Experience</u>										
1. Both limits of 100 mph between		13-27	18-32	23-37	28-42	33-47	38-52	43-57	48-62	67
2. 85 percentile is between		23-27	28-32	33-37	38-42	43-47	48-52	53-57	58-62	67
3. Total accidents (No./Mile)			>12	11-12	9-10	7-8	5-6	3-4	0-2	50
4. Driveway or intersection accidents (No./Mile)			>6	6	5	4	3	2	0-1	83
5. Test runs average (MPH)	20	25	30	35	40	45	50	55	60	67

*Minimum length of zone is 0.25 of a mile
Business districts may be not less than 300'.

Conditions at 60 MPH are considered as standard with a value of 100.

BT-SZ-12/56

> More than
< Less than

Total value of factors

Average value of factors

Warranted speed

75
75
50
67
58
67
67
50
83
67
659
66
40

VEHICLE OBSERVANCE OF "STOP" SIGNS

At the intersection of SR 139 and Rosemont Rd miles _____ of in _____ in Scioto County
 Day Wednesday Date 6-7-61 Hours 7:00 to 11:00 AM Observers Stout Sheet 1 of - Sheets

Weather Other Precipitation Condition Hour Interval Vehicles Main Road	Direct: _____ on _____ Approach of SR <u>139</u>						Direct: _____ on _____ Approach of SR _____											
	Signs: Size <u>30x30</u> Legend <u>STOP</u>			Signs: Size _____ Legend _____			Ht. above ground <u>4 FT</u> Dist. from Metal <u>5 FT</u>			Ht. above ground _____ Dist. from Metal _____								
	Dist. from intersec. <u>20 FT</u> Reflect. <input checked="" type="checkbox"/> Plain _____			Dist. from intersec. _____ Reflect. _____ Plain _____			Road: Type Pavmt. <u>BLACK TOP</u> Condn. <u>Good</u>			Road: Type Pavmt. _____ Condn. _____								
	Grade up <u>0</u> % Down <u>0</u> % Ctr. L. <input checked="" type="checkbox"/> Stop Bar <input checked="" type="checkbox"/>			Grade up _____ % Down _____ % Ctr. L. _____ Stop Bar _____														
	←			↑			→			←			↓			↘		
	0-3 mi.	3-15 mi.	15 mi. & over	0-3 mi.	3-15 mi.	15 mi. & over	0-3 mi.	3-15 mi.	15 mi. & over	0-3 mi.	3-15 mi.	15 mi. & over	0-3 mi.	3-15 mi.	15 mi. & over	0-3 mi.	3-15 mi.	15 mi. & over
<u>FAIR</u>																		
<u>Good</u>																		
<u>7:00 to 9:00</u>																		
<u>9:00 to 11:00</u>																		
<u>44</u>																		
<u>34</u>																		
<u>38</u>																		
<u>34</u>																		
TOTAL	33	3					27	4										
TOTAL	38						112											

Sketch on rev. side showing signs

VEHICULAR TRAFFIC VOLUME INTERSECTION REDUCTION FORM



Intersection of SR 139 and ROSEMONT ROAD miles _____ of in _____

County SCIOTO Day WEDNESDAY Date 6-7-61 Weather North

1 hour Period "A"	Type Veh.	West Approach to <u>SR 139</u>			Approach to _____			South Approach to <u>ROSEMONT</u>			East Approach to <u>ROSEMONT</u>			Total
		↶	↑	↷	↵	↓	↷	↶	←	↷	↵	→	↶	
7 M	Pass.	5		23					14	16		42	14	
7:30 M	Comm.													
7:30 M	Pass.	6		11					16	24		56	15	242
8 M	Comm.													
8 M	Pass.	5		15					15	10		44	10	
8:30 M	Comm.													
8:30 M	Pass.	4		8					27	16		50	13	217
9 M	Comm.													
9 M	Pass.	5		15					31	20		44	12	
9:30 M	Comm.													
9:30 M	Pass.	5		15					43	15		31	4	240
10 M	Comm.													
10 M	Pass.	3		20					36	17		44	2	
10:30 M	Comm.													
10:30 M	Pass.	1		12					45	9		35	8	232
11 M	Comm.													
M	Pass.													
M	Comm.													
M	Pass.													
M	Comm.													
M	Pass.													
M	Comm.													
M	Pass.													
M	Comm.													
Total		34		119					227	127		346	78	931
Max														
Total Appr.		153	16%						394	40%		424	44%	

Percent Main Road 84 Percent Secondary Rd 16 Av. Daily Density _____

SPEED STUDY DATA SHEET

Date 6-28-61

County Scioto

Municipality Rural

Highway Name & Number Jackson - Portsmouth S.R. 139



LOG POINT	PHYSICAL	CONDITIONS	TRAFFIC CONTROL DEVICES	ACCIDS	TEST RUNS	HORIZONTAL CURVES	VERTICAL CURVES
1.75		Asphalt Road			45 45		
1.70							
1.65					45 45		
1.60	Asphaltic Surface Good		Stop		40 40	E-91.72 D-5 40. E-916' L-200' R-636'	2.0%
1.55					40 40		
1.50		Side Road	Gas Store		40 40	D-6° E-66 L-200.0 R-955'	0%
1.45		Store	Speed 35		40 40		
1.40			Eden Park		40 40	Nails Ball Bank Safe Speed shown AT Each Curve	

RBS 1.44



SPEED STUDY DATA SHEET



Date 6-28-61

County Scioto

Municipality Rural

Highway Name & Number Jackson - Portsmouth S.R. 139

INDICATE NORTH

LOG POINT	PHYSICAL CONDITIONS	TRAFFIC CONTROL DEVICES	ACC'D'S	TEST RUNS	HORIZONTAL CURVES	VERTICAL CURVES
2.10						
2.05		Eden Park				
2.00	Line	Speed 30		35-35	D-10° E-30' L 150.67 R-572.98 35 MPH	
1.95	Asphaltic Surface Good			35-35	D-10° E 8.04' L 191.50' R 572.26' 35 MPH	
1.90		Speed 35		35-35	D-11°-10' E-1.4' L 52.56' R-257.01' 40 MPH	
1.85				45-45	D-10° E-1.5' L-100' 35 MPH	
1.80		Winding Stop		35-45		