

New York State
Department of Transportation

Roadway functional classification
and construction map,
Accident summaries for NY-7 and NY-10,
Intersection traffic data,
Accident history update

(Number of pages excluding this cover sheet – 16)



STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
44 HAWLEY STREET
BINGHAMTON, N.Y. 13901-3200

JOHN T. BRIZZELL, P.E.
REGIONAL DIRECTOR

February 17, 2000

JOSEPH H. BOARDMAN
COMMISSIONER

Mark Bagnard
National Transportation Safety Board
624 Six Flags Drive, Suite 150
Arlington, TX 76011

Dear Mr. Bagnard:

Subject: **10/21/99 SCHOOL BUS ACCIDENT
INTERSECTION OF NY7, 30A, & ZICHA ROAD
SCHOHARIE COUNTY, NEW YORK**

Attached are the following items requested in your recent phone conversations with Gary Winans (Operations), and Bill Seaman (Safety Evaluations):

1. A Functional Class map in the area of the intersection,
2. "Before-After" accident summaries for the NY7 & 10 intersection in Richmondville, NY,
3. Road history for this section of I-88 showing the original construction date (1980),
4. AADT data sheets,
5. Approach volume counts,
6. Traffic signal Volume warrant sheet,
7. Five month accident history update (11/98 to 3/99).

The five month accident update for the period from 11/98 to 3/99 only showed one accident: a deer accident.

A formal signal study was not undertaken prior to the 10/21/99 accident even though volume and accidents were considered during the 1996 review.

We have not received answers from all the regions regarding expected accident rates for 4-way stops at the intersections of two state highways. So far, except for the NY7 & 10 intersection in Richmondville, Schoharie County, there appears to be no "before-after" data for similar intersections. This type of intersection control on state highways is very rare. However, we are continuing to look into this and will get back with you when we complete our search.

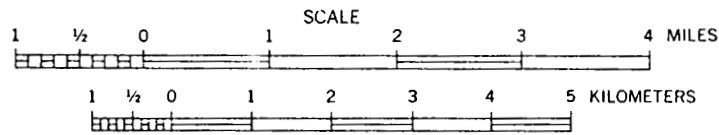
Please contact Bill Seaman at [REDACTED] 0 if you have any questions or require further assistance.

Sincerely,

Daniel Paddick, P.E.
Regional Traffic Engineer

Attachments

STATE OF NEW YORK
 OFFICE OF PLANNING COORDINATION
SCHOHARIE COUNTY

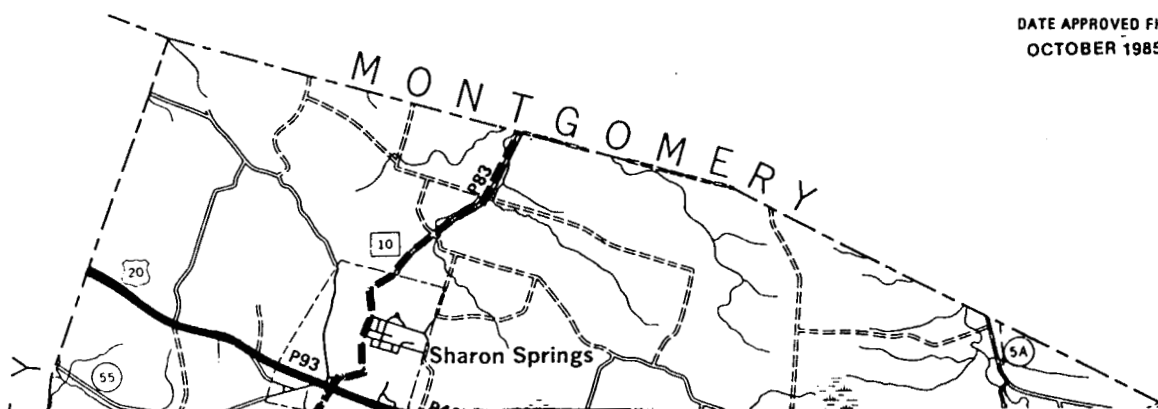


50,000 foot grid based on New York coordinate system, east zone
 10,000 meter grid based on Universal Transverse Mercator System, zone 18

JANUARY 1968

NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
RURAL FEDERAL-AID SYSTEMS	1990 RURAL FUNCTIONAL CLASSIFICATION
Federal-Aid Interstate I	Interstate
Federal-Aid Primary P	Principal Arterial
Federal-Aid Priority Primary PP	Minor Arterial
Federal-Aid Secondary S	Major Collector
Non-System	Minor Collector
Local	Local
Federal-Aid Urban Boundary	

DATE APPROVED FHWA:
 OCTOBER 1985

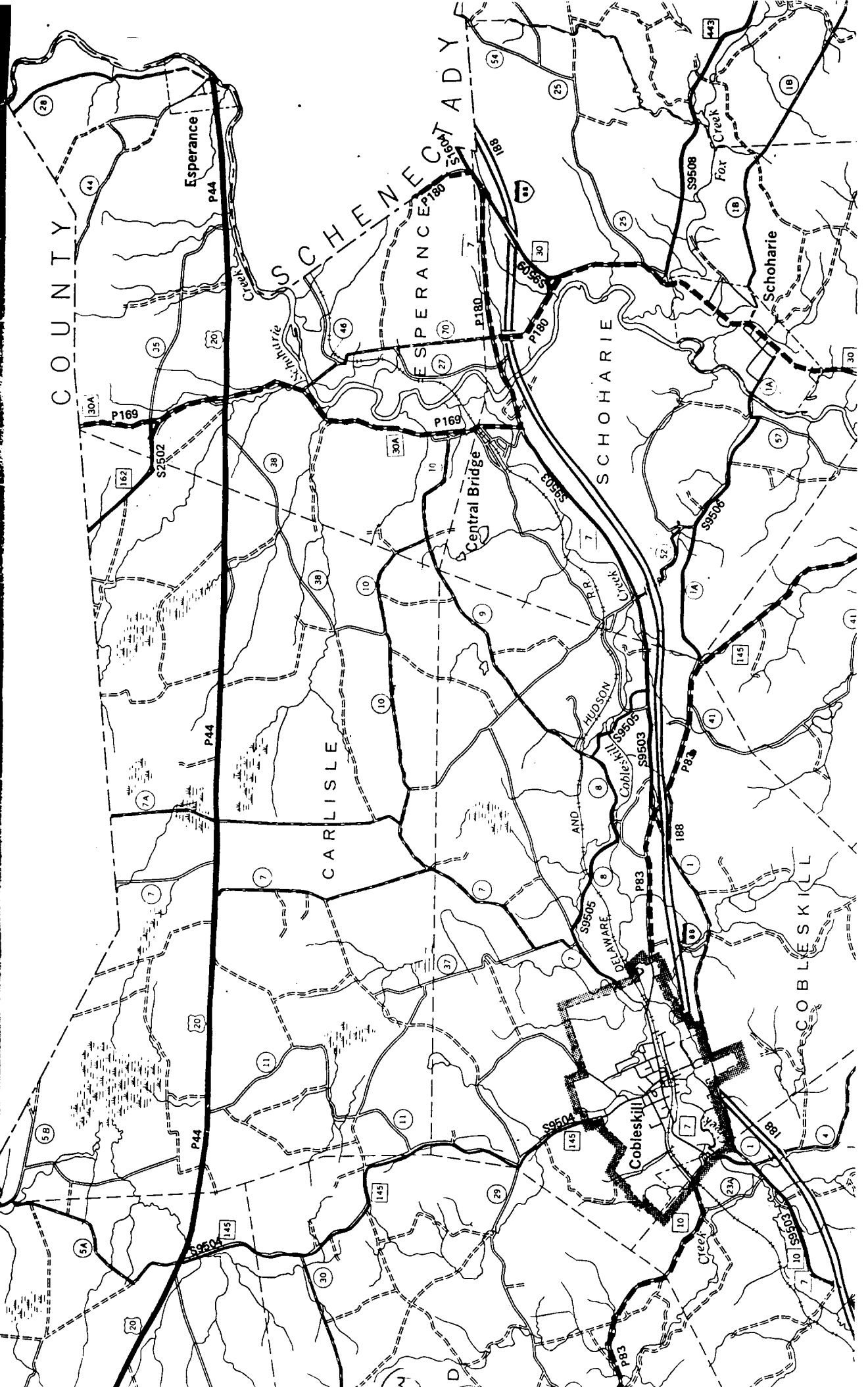


400,000 FEET 74°40' 5300000 E. 35' 450,000 FEET 340 30'

1.050,000 FEET

42°50'

4740000 N.



ROUTE: 7 HIGHWAY LOCATION 7 9504 1547 - 7 9504 1551
DATES: JAN-01-1987 - MAR-31-1999

REPORTABLE ACCIDENTS BY YEAR AND SEVERITY

TIME PERIOD	FATAL	INJURY	P-D-O	NON-REPORTABLE	TOTALS
JAN-01-1987 - DEC-31-1987	0	4	2	1	7
JAN-01-1988 - DEC-31-1988	0	1	1	2	4
JAN-01-1989 - DEC-31-1989	0	1	2	1	4
JAN-01-1990 - DEC-31-1990	0	2	0	3	5
JAN-01-1991 - DEC-31-1991	0	3	0	1	4
JAN-01-1992 - DEC-31-1992	0	4	1	2	7
JAN-01-1993 - DEC-31-1993	0	0	0	0	0
JAN-01-1994 - DEC-31-1994	0	0	0	1	1
JAN-01-1995 - DEC-31-1995	0	2	0	0	2
JAN-01-1996 - DEC-31-1996	0	0	0	0	0
JAN-01-1997 - DEC-31-1997	0	0	0	2	2
JAN-01-1998 - DEC-31-1998	0	0	1	0	1
JAN-01-1999 - MAR-31-1999	0	0	0	0	0
TOTALS	0	17	7	13	37

5.17/y

0.96/y

≈ 81% REDUCT

4-way Stop
Installed 10/6/92

NY 7/10/990K Intersection
Town of Richmondville
Scholarie Co., NY

ROUTE: 10 HIGHWAY LOCATION 10 9502 1487 - 10 9502 1489
DATES: JAN-01-1987 - MAR-31-1999

REPORTABLE ACCIDENTS BY YEAR AND SEVERITY

TIME PERIOD	FATAL	INJURY	P-D-O	NON-REPORTABLE	TOTALS
JAN-01-1987 - DEC-31-1987	0	4	2	1	7
JAN-01-1988 - DEC-31-1988	0	1	1	2	4
JAN-01-1989 - DEC-31-1989	0	1	1	1	3
JAN-01-1990 - DEC-31-1990	0	2	0	2	4
JAN-01-1991 - DEC-31-1991	0	3	0	1	4
JAN-01-1992 - DEC-31-1992	0	4	0	1	5
JAN-01-1993 - DEC-31-1993	0	0	0	1	1
JAN-01-1994 - DEC-31-1994	0	0	0	0	0
JAN-01-1995 - DEC-31-1995	0	2	0	0	2
JAN-01-1996 - DEC-31-1996	0	0	0	1	1
JAN-01-1997 - DEC-31-1997	0	0	0	1	1
JAN-01-1998 - DEC-31-1998	0	0	0	0	0
JAN-01-1999 - MAR-31-1999	0	0	0	0	0
TOTALS	0	17	4	11	32

4.5/y

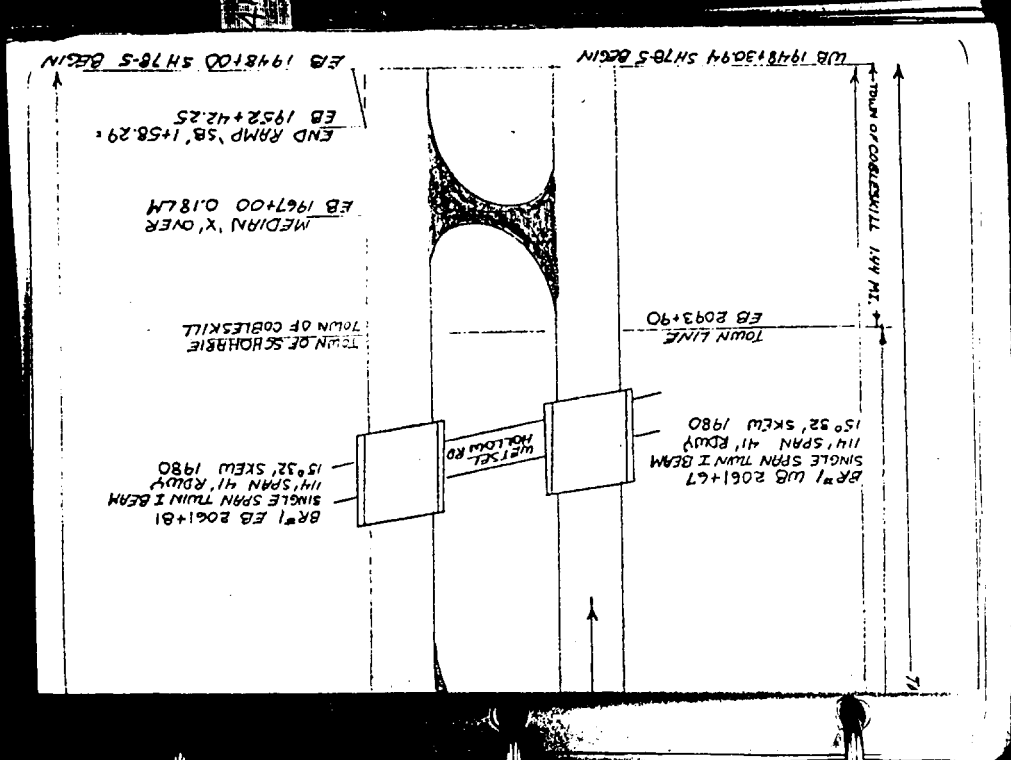
0.8/y

~ 82% Reduction

4-way Stop
Installed 10/6/92

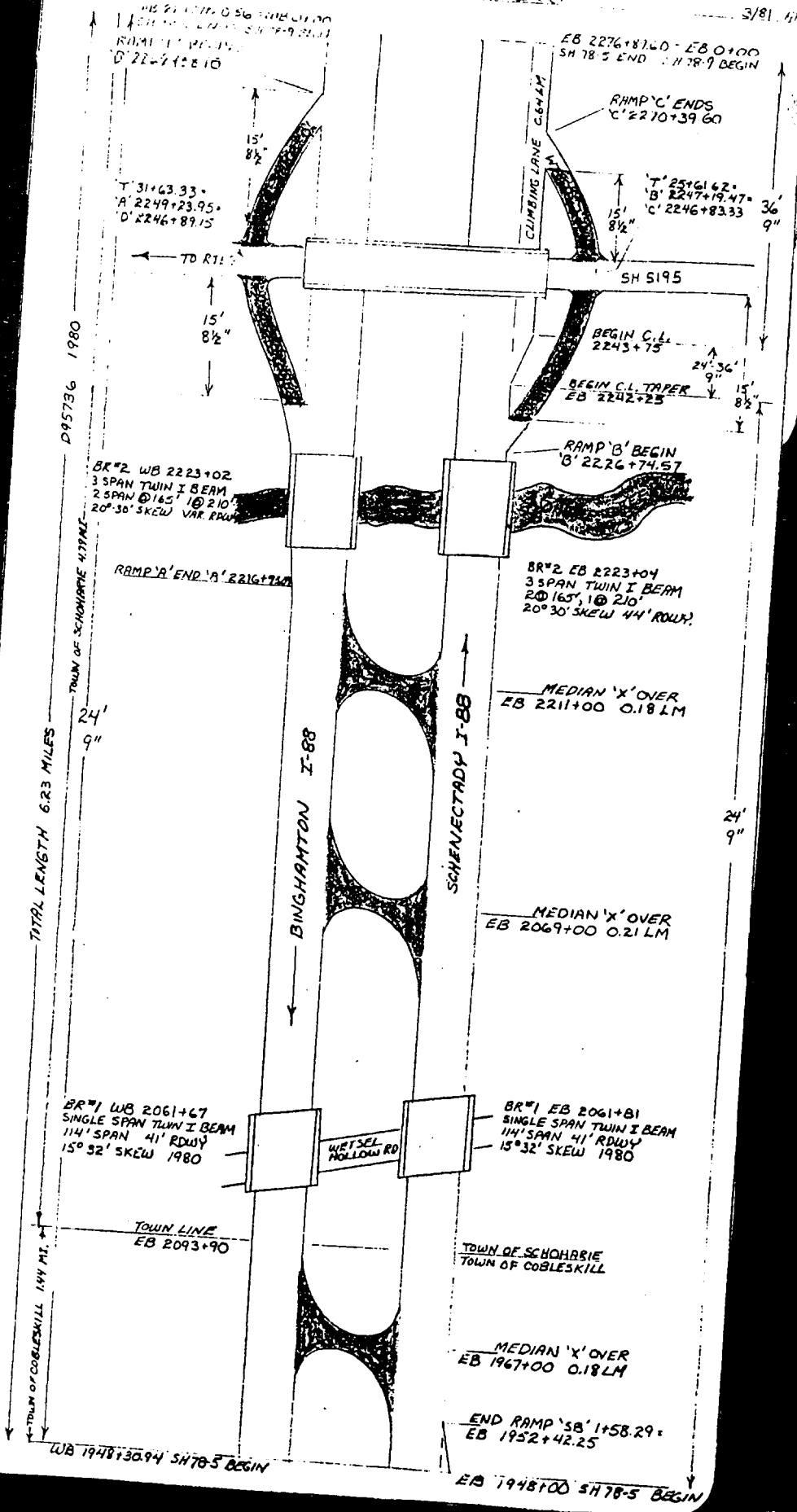
NY 7/10/990k Intersection
Town of Richmondville
Schoharie Co., NY

SCHOHARIE COUNTY
 REGION
 SHAD PT. CENTRAL BRIDGE
 SH 78-5
 RTE I-88
 ORIG. TYPE: 6.23 MI. UNREINF. CONCRETE 24'-36"
 INC. BR # 1 & 2
 EB 1948+00 - EB 2276+89.60 = EB 0+00
 D 95726 BUILT 1980



SCHOHARIE CO REGION 7
 SHAD POINT - CENTRAL E.S. OF
 SH 78-5 STATE RD

3/81/88



TOTAL LENGTH 6.83 MILES

TOWN OF COBLESKILL 1.44 MI.

D95736 1980

TOWN OF SCHOHARIE 471 FT

TOWN LINE
 EB 2093+90

TOWN OF SCHOHARIE
 TOWN OF COBLESKILL

MEDIAN 'X' OVER
 EB 1967+00 0.18 LM

MEDIAN 'X' OVER
 EB 2069+00 0.21 LM

MEDIAN 'X' OVER
 EB 2211+00 0.18 LM

EB 1948+00 SH 78-5 BEGIN

WB 1948+30.94 SH 78-5 BEGIN

END RAMP 'SB' 1+58.29
 EB 1952+42.25

BR#2 WB 2223+02
 3 SPAN TWIN I BEAM
 2 SPAN @ 165' @ 210'
 20° 30' SKEW VAR ROW

BR#2 EB 2223+04
 3 SPAN TWIN I BEAM
 2 @ 165', 1 @ 210'
 20° 30' SKEW 44' ROW

BR#1 EB 2061+81
 SINGLE SPAN TWIN I BEAM
 114' SPAN 41' ROW
 15° 32' SKEW 1980

BR#1 WB 2061+67
 SINGLE SPAN TWIN I BEAM
 114' SPAN 41' ROW
 15° 32' SKEW 1980

RAMP 'C' ENDS
 C' 2270+39.60

EB 2276+81.60 - EB 0+00
 SH 78-5 END SH 78-9 BEGIN

T' 25461.62
 B' 2247+19.47
 C' 2246+83.33

T' 31463.33
 A' 2249+23.95
 D' 2246+89.15

BEGIN C.L.
 2243+75

BEGIN C.L. TAPER
 EB 2242+25

RAMP 'B' BEGIN
 B' 2226+74.57

RAMP 'A' END 'A' 2216+74

TO RT 190

SH 5195

CLIMBING LANE 6.614M

BINGHAMTON I-88

SCHENECTADY I-88

WETSEL HOLLOW RD

WB 2276+81.60 SH 78-5 BEGIN
 SH 78-9 END SH 78-5 BEGIN
 RAMP 'A' BEGIN
 D' 2226+89.15

15' 8 1/2"

15' 8 1/2"

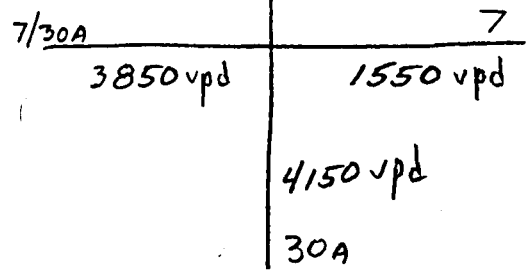
36' 9"

24' 36' 9"

24' 9"

24' 9"

Zrcha



		SECTION ENDS AT		LATEST COUNT	-----PREVIOUS COUNTS-----				COUNT
				EST	EST	EST	EST	STATION	
				AADT	AADT	AADT	AADT	NUMBER	
				YR	YR	YR	YR		
		REGION 9	COUNTY 4 OTSEGO						
		END RT 7 & 23 JCT		10900 **	10900 96	10000 91	9450 88	0906	
		REGION 9	COUNTY 4 OTSEGO						
		ROUTE 7							
		ROUTE 28		3000 **	2900 96	2800 93	2800 90	0907	
		REGION 9	COUNTY 4 OTSEGO						
		BURROUGHS RD	CONN EXIT 18						
		END AT RT 7		1400 **	1400 96	1400 94	1150 91	0908	
		REGION 9	COUNTY 4 OTSEGO						
992J	0110038	992A	94011003	0.38	1450 **	1400 96	1150 93	1100 90	0909
		REGION 9	COUNTY 5 SCHOHARIE						
		OTSEGO CO LINE							
7		0.00	OLD RT 10 RICHMONDVILLE	700 98	1850 96	1600 93	1850 90	0186	
7	0410415	7 94033240		4.15					
7	0410492	7 95041046		0.77	3350 **	3350 97	3250 93	3700 90	0034
7	0410745	7 95041066		2.53	5600 **	5600 96	5300 93	4750 91	0079
7	0410785	7 95041072		0.40	7550 **	7550 96	6850 93	6800 90	0009
7	0410942	7 95041084		1.57	7000 **	7000 97	6900 94	7450 92	0187
7	0411030	7 95041099		0.88	16200 **	16200 97	17000 94	13300 92	0010
7	0411086	7 95041107		0.56	11300 **	11300 97	9950 94	7750 91	0053
7	0411279	7 95041116		1.93	9150 **	9150 97	9950 94	7750 91	0022
7	0411525	7 95041132		2.46	4350 **	4300 97	3800 94	3600 91	0027
7	0411759	7 95041170		2.34	3200 **	3150 97	3150 94	2800 91	0023
7	0411873	7 95041182		1.14	4000 **	3850 96	4100 94	3450 91	0024
7	0412078	7 95041190		2.05	1600 **	1550 96	1550 94	1400 92	0025
7	0412108	7 95041307		0.30	1400 **	1350 96	1450 93	1400 90	0026
		REGION 9	COUNTY 5 SCHOHARIE						
		DELAWARE CO LINE							
10	0210270	10 95021002		2.70	1900 98	1900 95	1800 92	1650 89	0002
10	0210570	10 95022046		3.00	1600 **	1550 96	1550 93	1550 90	0202
10	0210638	10 95021059		0.68	1850 **	1800 96	1750 93	1800 90	0003
10	0211397	10 95021095		7.59	1250 **	1200 97	1250 94	1150 91	0038
10	0211742	10 95021170		3.45	2550 **	2450 96	2200 93	2350 90	0046
10	0211901	10 95021475		1.59	2300 **	2300 97	3650 94	1900 91	0332
10	0212154	7 95041066		2.53	5600 **	5600 96	5300 93	4750 91	0079
10	0212351	7 95041084		1.97	7000 **	7000 97	6900 94	7450 92	0187
10	0212373	145 05021238		0.22	7650 98	7450 95	7500 92	7400 90	0045
10	0212550	10 95021250		1.77	3000 **	3000 96	2850 92	2750 90	0044
10	0213076	10 95021276		5.26	3200 98	2200 96	2300 93	2350 90	0008
10	0213695	10 95011342		6.19	1800 **	1750 97	1350 94	1350 91	0041
10	0213814	10 95021379		1.19	1550 98	1450 95	1950 91	1150 88	0018
10	0213969	10 25031020		1.55	1150 98	1550 97	1300 94	1250 91	0190

WEST of Zrcha
EAST of Zrcha

ROUTE NUMBER	MILE POINT	REFERENCE MARKER	SECTION LENGTH	SECTION ENDS AT	EST AADT	EST YR	EST AADT	EST YR	EST AADT	EST YR	EST AADT	EST YR	STATION NUMBER
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10	0213078	10	95021276	5.26	RT 165	3000 **	3000 96	2850 92	2750 90	0044
10	0213695	10	95011342	6.19	RT 20 SHARON SPRINGS	3200 98	2200 96	2300 93	2350 90	0008
10	0213814	10	95021379	1.19	SHARON SPRINGS N LN	1800 **	1750 97	1350 94	1350 91	0041
10	0213969	10	25031020	1.55	MONTGOMERY CO LN	1550 98	1450 95	1950 91	1150 88	0018
						1150 98	1550 97	1300 94	1250 91	0190

ROUTE NUMBER	MILE POINT	REFERENCE MARKER	SECTION LENGTH	SECTION ENDS AT	EST AADT	YR	EST AADT	YR	EST AADT	YR	EST AADT	YR	STATION NUMBER
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REGION 9 COUNTY 5 SCHOHARIE

20			0.00	OTSEGO CO LINE									
20	1810218	20 94071100	2.18	RT 10 SHARON SPRINGS	2300	98	2750	95	2650	92	2400	89	0189
20	1810715	20 95181030	4.97	RT 145 SHARON	3400	**	3350	96	2600	93	3200	90	0005
20	1811164	20 95181104	4.49	CR 7 1ST TIME	2250	**	2250	97	2400	94	1850	91	0032
20	1811749	20 95181166	5.85	RTS 162 30A	2900	**	2850	97	2550	92	2600	89	0210
20	1812133	20 95181189	3.84	SCHENECTADY CO LINE	3500	98	3600	96	3500	93	3100	91	0208

REGION 9 COUNTY 5 SCHOHARIE

23			0.00	DELAWARE CO LN									
23	0510283	23 93031020	2.83	DELAWARE CO LN 2ND TM	3600	98	3100	97	2950	94	2750	91	0020

REGION 9 COUNTY 5 SCHOHARIE

30			0.00	DELAWARE CO LINE									
30	0210175	30 93011612	1.75	GILBOA RESERVOIR RD	1750	98	1650	97	1600	94	1700	91	0028
30	0210420	30 95041034	2.45	CR 13 SCOTCH VALLEY GILBOA	1050	**	1050	95	1050	92	860	86	0001
30	0210820	30 95021030	4.00	CR 43 N BLENHEIM	1350	98	1050	97	1050	94	1150	91	0201
30	0211326	30 95021129	5.06	CR 17 BREAKABEEN	1450	98	1300	95	1300	94	1500	91	0200
30	0211466	30 95021143	1.40	CR 4 TO W FULTON	2100	98	1700	95	1900	91	1900	88	0004
30	0212106	30 95011164	6.40	START 145 OLAP MODLBRG	2300	**	2300	97	2550	94	3000	91	0196
30	0212117	145 95031113	0.11	END 145 OLAP MIDDLEBRG	6300	**	6150	97	6200	94	5950	91	0012
30	0212575	30 95011230	4.58	CR 1A SCHOHARIE BRIDGE ST	4950	**	4850	97	5450	94	5400	93	0197
30	0212741	30 95021268	1.66	RT 443	8150	**	7850	96	7400	93	7150	91	0013
30	0212883	30 95021251	1.42	RT 30A	7600	**	7500	97	6900	93	6450	90	0236
30	0213067	30 95021302	1.84	RT 7	1200	**	1150	96	1250	93	1200	90	0199
30	0213104	30 16011033	0.37	SCHENECTADY CO LN	1450	98	1450	96	1350	92	1600	89	0062

REGION 9 COUNTY 5 SCHOHARIE

30A			0.00	RT 30									
30A	0110096	30A95011005	0.96	ACC RT 881	6300	98	5750	95	5350	92	5350	91	0035
30A	0110115	30A95011112	0.19	START 7 OLAP	4150	98	4650	94	4000	91	3900	88	0037
30A	0110229	7 95041182	1.14	END 7 OLAP CENTRAL BRIDGE	4000	**	3850	96	4100	94	3150	91	0024
30A	0110504	30A95011039	2.75	CR 27	1950	**	1950	97	1850	94	2600	91	0523
30A	0110612	30A95011058	1.08	RT 20 START 162 OLAP	2900	98	3050	96	2950	93	2600	90	0193
30A	0110692	30A95011066	0.80	END 162 OLAP	2450	**	2350	96	2000	93	2050	90	0015
30A	0110795	30A95011074	1.03	MONTGOMERY CO LN	880	98	1000	95	760	92	720	89	0324

REGION 9 COUNTY 5 SCHOHARIE

881			0.00	OTSEGO CO LN									
881	0710476	88194063209	4.76	ACC RT 7 & 10 RICHMONDVILL	8150	**	8150	97	7500	94	6650	93	0047
881	0710689	88195071055	2.13	ACC RT 7 & 10 WARNERSVILLE	9450	**	9450	96	7500	93	8250	90	0048
881	0711206	88195071103	5.17	ACC RT 145 EXIT 22	7100	**	7100	97	9400	96	7900	93	0049
881	0711800	88195071128	5.94	ACC RT 30A EXIT 23	11900	98	9550	95	8400	92	9250	89	0050
881	0712020	88195071200	2.20	SCHENECTADY CO LN	12800	**	12200	96	10400	93	10900	91	0051

REGION 9 COUNTY 5 SCHOHARIE

145			0.00	ALBANY CO LINE									
145	0310250	145 95031021	2.50	CR 19	1150	**	1100	97	1900	94	1850	91	0203
145	0311123	145 95031093	8.73	START 30 OLAP	2900	**	2850	97	2850	94	3050	91	0282
145	0311134	145 95031113	0.11	END 30 OLAP	6300	**	6150	97	6200	94	5950	91	0012
145	0311312	145 95031121	1.78	CR 57	3950	**	3700	95	3650	91	3350	88	0030

Between 188 and 7

New York State Department of Transportation

PGM, VERSION 3.5 / 3.8

RC/STATION **959605** COVERAGE AND SPECIAL COUNT HOURLY REPORT

LOCAL ROAD # COMMON NAME MILEPOINT NHS COUNTY: **SCHOHARIE**
 SECTION FROM: **ROUTE 7** TO: **WB APPROACH TO ROUTE 30A** TOWN: **SANTA CLARA**
 FEDERAL DIR. **7** FACTOR GRP **40** FUNCTIONAL CLASS **07** HPMS NUMBER: BIN NUMBER:

COUNT DATE: **11/15/99** WEEK OF YR **47** RECORDER PLACEMENT: **WB LANE** REFERENCE MKR: **7 95041889**
 RECORDER SERIAL #: **4371**

NOTES: **WB APPROACH T&S** TUBE COUNT ADDITIONAL DATA:

DY	D	D	AM											PM											DAY TOTAL	HI COUNT	HI HOUR		
			TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO				TO	
15	1	5													49	53	59	59	67	74	64	25	20	19	18	13	13		
16	2	5	6	2	6	3	4	12	44	53	68	62	49	45	54	61	91	78	83	61	62	33	36	25	26	5	969	91	15
17	3	5	4	3	3	3	3	7	46	51	75	67																	

Route 7 WB

AVERAGE WEEKDAY HOUR (MON 6AM THRU FRI 12 NOON) ADT

5	3	5	3	4	10	45	52	72	65	49	47	54	60	75	73	79	63	44	27	28	22	20	9	914
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AXLE - FACTORED (VEHICLES) AVG WEEKDAY HOUR (FACTOR USED 0.970) ADT

5	3	5	3	4	10	44	50	70	63	48	46	52	58	73	71	77	61	43	26	27	21	19	9	888
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HRS COUNTED	DAYS COUNTED	AVG HI HR	% AVG DAY	FACTORED HI HOUR	% FACTORED DAY	SEASONAL FACTOR	SEASONALLY FACTORED ESTIMATED AADT 1-WAY COUNT
47	3	79	8.6%	77	8.7%	0.954	931

LOCAL ROAD # **ON** FROM **ROUTE 7** TO **WB APPROACH TO ROUTE 30A**
 STATION: **959605** COUNT DATE: **11/15/99** ST. DIR: **5** RECORDER PLACEMENT: **WB LANE**

New York State Department of Transportation

PGM. VERSION 3.5/ 3.8

RC/STATION 959603 COVERAGE AND SPECIAL COUNT HOURLY REPORT

LOCAL ROAD # COMMON NAME MILEPOINT NHS COUNTY : SCHOHARIE
 SECTION FROM : ROUTE 7 TO : EB APPROACH TO ROUTE 30A TOWN : SANTA CLARA
 FEDERAL DIR. 3 FACTOR GRP 40 FUNCTIONAL CLASS 06 HPMS NUMBER: BIN NUMBER:

COUNT DATE : 11/15/99 WEEK OF YR 47 RECORDER PLACEMENT: EB LANE REFERENCE MKR: 7 95041887

RECORDER SERIAL #: 3519

ADDITIONAL DATA:

NOTES:

EB APPROACH T&S

TUBE COUNT

DY	D	D	AM												PM												DAY	HI	HI
			TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TOTAL	COUNT	HOUR			
15	1	5												95	113	101	126	103	103	104	66	57	47	30	15	14			
16	2	5	7	2	1	6	17	43	132	186	143	96	104	95	119	119	116	117	112	120	81	49	53	25	22	13	1778	186	8
17	3	5	6	4	1	4	16	47	133	168	126	84	83																

AVERAGE WEEKDAY HOUR (MON 6AM THRU FRI 12 NOON)																							ADT	
7	3	1	5	17	45	133	177	135	90	94	95	116	110	121	110	108	112	74	53	50	28	19	14	1717

AXLE - FACTORED (VEHICLES) AVG WEEKDAY HOUR (FACTOR USED 0.958)																							ADT	
7	3	1	5	16	43	127	170	129	86	90	91	111	105	116	105	103	107	71	51	48	27	18	13	1643

HRS	DAYS	AVG	% AVG	FACTORED	% FACTORED	SEASONAL	SEASONALLY FACTORED
COUNTED	COUNTED	HI HR	DAY	HI HOUR	DAY	FACTOR	ESTIMATED AADT 1-WAY COUNT
48	3	177	10.3%	170	10.3%	0.954	1722

LOCAL ROAD # ON FROM ROUTE 7 TO EB APPROACH TO ROUTE 30A
 STATION: 959603 COUNT DATE: 11/15/99 ST. DIR: 5 RECORDER PLACEMENT: EB LANE

LOCAL ROAD # COMMON NAME MILEPOINT NHS COUNTY: SCHOHARIE
 SECTION FROM: ROUTE 30A TO: NB APPROACH TO ROUTE 7 TOWN: SCHOHARIE
 FEDERAL DIR. 1 FACTOR GRP 40 FUNCTIONAL CLASS 06 HPMS NUMBER: BIN NUMBER:

COUNT DATE: 11/15/99 WEEK OF YR 47 RECORDER PLACEMENT: NB LANE REFERENCE MKR: 30A95011112

RECORDER SERIAL #: 6740

ADDITIONAL DATA:

NOTES:

NB APPROACH T&S

TUBE COUNT

DY	D	D	AM											PM											DAY TOTAL	HI COUNT	HI HOUR		
			12 TO	1 TO	2 TO	3 TO	4 TO	5 TO	6 TO	7 TO	8 TO	9 TO	10 TO	11 TO	12 TO	1 TO	2 TO	3 TO	4 TO	5 TO	6 TO	7 TO	8 TO	9 TO				10 TO	11 TO
15	1	4											156	141	146	150	224	236	235	135	89	69	57	30	27				
16	2	4	23	3	8	5	9	24	93	107	134	100	154	139	129	151	161	238	253	279	157	110	70	65	49	30	2491	279	18
17	3	4	12	6	5	7	5	25	80	117	135	99																	

Route 30A

NB

AVERAGE WEEKDAY HOUR (MON 6AM THRU FRI 12 NOON)																							ADT	
18	5	7	6	7	25	87	112	135	100	154	148	135	149	156	231	245	257	146	100	70	61	40	29	2423

AXLE - FACTORED (VEHICLES) AVG WEEKDAY HOUR (FACTOR USED 0.958)																							ADT	
17	5	7	6	7	24	83	107	129	96	148	142	129	143	149	221	235	246	140	96	67	58	38	28	2321

HRS	DAYS	AVG	% AVG	FACTORED	% FACTORED	SEASONAL
COUNTED	COUNTED	HI HR	DAY	HI HOUR	DAY	FACTOR
47	3	257	10.6%	246	10.6%	0.954

SEASONALLY FACTORED

ESTIMATED AADT 1-WAY COUNT 2433

LOCAL ROAD # ON FROM ROUTE 30A TO NB APPROACH TO ROUTE 7
 STATION: 959604 COUNT DATE: 11/15/99 ST. DIR: 4 RECORDER PLACEMENT: NB LANE

New York State Department of Transportation

PGM. VERSION 3.5/ 3.8

RC/STATION 959606

COVERAGE AND SPECIAL COUNT HOURLY REPORT

LOCAL ROAD # COMMON NAME ZICHA ROAD MILEPOINT NHS
 SECTION FROM: ZICHA ROAD TO: SB APPROACH TO ROUTE 7
 FEDERAL DIR. 5 FACTOR GRP 40 FUNCTIONAL CLASS 09 HPMS NUMBER:

COUNTY: SCHOHARIE
 TOWN: SANTA CLARA
 BIN NUMBER:

COUNT DATE: 11/15/99 WEEK OF YR 47 RECORDER PLACEMENT: SB LANE

REFERENCE MKR:
 RECORDER SERIAL #: 3519
 ADDITIONAL DATA:

NOTES: SB APPROACH T&S TUBE COUNT

DY	D	D	AM											PM											DAY TOTAL	HI COUNT	HI HOUR		
			12 TO	1 TO	2 TO	3 TO	4 TO	5 TO	6 TO	7 TO	8 TO	9 TO	10 TO	11 TO	12 TO	1 TO	2 TO	3 TO	4 TO	5 TO	6 TO	7 TO	8 TO	9 TO				10 TO	11 TO
15	1	4											36	36	34	50	49	44	40	39	23	13	13	9	2				
16	2	4	3	8	2	2	4	23	75	112	61	31	30	29	33	35	50	46	56	51	37	22	17	7	3	5	742	112	8
17	3	4	3	1	0	0	9	18	72	116	51	34																	

AVERAGE WEEKDAY HOUR (MON 6AM THRU FRI 12 NOON) ADT
 3 5 1 1 7 21 74 114 56 33 30 33 35 35 50 48 50 46 38 23 15 10 6 4 738

AXLE - FACTORED (VEHICLES) AVG WEEKDAY HOUR (FACTOR USED 0.969) ADT
 3 5 1 1 7 20 72 110 54 32 29 32 34 34 48 47 48 45 37 22 15 10 6 4 716

HRS	DAYS	AVG	% AVG	FACTORED	% FACTORED	SEASONAL
COUNTED	COUNTED	HI HR	DAY	HI HOUR	DAY	FACTOR
47	3	114	15.4%	110	15.4%	0.954

SEASONALLY FACTORED
ESTIMATED AADT
1-WAY COUNT
751

LOCAL ROAD # ON ZICHA ROAD FROM ZICHA ROAD TO SB APPROACH TO ROUTE 7
 STATION: 959606 COUNT DATE: 11/15/99 ST. DIR: 4 RECORDER PLACEMENT: SB LANE

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING AND SAFETY DIVISION
 WARRANTS FOR TRAFFIC CONTROL SIGNALS

CITY or VILLAGE: _____ TOWN: **SCHOHARIE** COUNTY: **SCHOHARIE**

Intersection of: **ROUTE 7/30A & ZICHARD RD** COMMENTS: **7 of 14 hours - side road volume greater than 2-WAY volume on Route 7,**

NUMBER OF LANES FOR MOVING TRAFFIC ON EACH APPROACH (EXCLUDING AUXILIARY LANES):
 ARTERY: **1** SIDE ROAD: **1** COUNT Date: **11/15/99**

HOUR	Volume		WARRANT 1		Warrant 1 70%		WARRANT 2		WARRANT 2 70%		Warrant 3	Warrant 4	Warrant 5	Warrant 6	Warrant 7
	ARTERY 32'± APPROACHES	SIDE ONE APPROACH	ARTERY	SIDE ROAD	ARTERY	SIDE ROAD	ARTERY	SIDE ROAD	ARTERY	SIDE ROAD	pedestrian volume.	School crossing.	Progressive movement.	Accident experience.	Combination warrants.
6-7am	171	83	500	150	350	105	750	75	525	53					
6-7am	171	83						✓		✓					
7-8	220	110				✓		✓		✓					
8-9	199	129				✓		✓		✓					
9-10	149	96						✓		✓					
10-11	133	148				✓		✓		✓					
11-12	137	142				✓		✓		✓					
12-1pm	163	129				✓		✓		✓					
1-2	163	143				✓		✓		✓					
2-3	189	149		✓		✓		✓		✓					
3-4	176	221		✓		✓		✓		✓					
4-5	180	235		✓		✓		✓		✓					
5-6	168	246		✓		✓		✓		✓					
6-7	114	140				✓		✓		✓					
7-8pm	77	96						✓		✓					
TOTAL HOURS WARRANT MET, (ARTERY and SIDE ROAD DURING same HOUR)			0	0	0	0	0	0	0	0					

TABLE 271-1
 MINIMUM VEHICULAR VOLUMES FOR WARRANT 1

TABLE 271-2
 MINIMUM VEHICULAR VOLUMES FOR WARRANT 2

NUMBER OF LANES FOR MOVING TRAFFIC ON EACH APPROACH (EXCLUDING AUXILIARY LANES)		VEHICLES PER HOUR ON ARTERY (TOTAL OF BOTH APPROACHES INCLUDING AUXILIARY LANES)	VEHICLES PER HOUR ON HIGHER-VOLUME SIDE ROAD APPROACH (ONE DIRECTION ONLY INCLUDING AUXILIARY LANES)	NUMBER OF LANES FOR MOVING TRAFFIC ON EACH APPROACH (EXCLUDING AUXILIARY LANES)		VEHICLES PER HOUR ON ARTERY (TOTAL OF BOTH APPROACHES INCLUDING AUXILIARY LANES)	VEHICLES PER HOUR ON HIGHER-VOLUME SIDE ROAD APPROACH (ONE DIRECTION ONLY, INCLUDING AUXILIARY LANES)
ARTERY	SIDE ROAD			ARTERY	SIDE ROAD		
1	1	500	70% 350	150	70% 105	750	75
2 or more	1	500	420	150	105	900	75
2 or more	2 or more	500	420	200	140	900	100
1	2 or more	500	350	200	140	750	100

MEMORANDUM
NEW YORK STATE
DEPARTMENT OF TRANSPORTATION

FEB - 8 2000

TO: Name: WILLIAM SEAMAN
Phone: [REDACTED]
Region: Q9
Group: TRAFFIC ENGINEERING & SAFETY
Bureau:
Building:
Room:
Mail Code:

R-9

FROM: Microfilm Accident Record Retrieval Unit, Rm. 314, Bldg. #5

SUBJECT: Accident Record Retrieval Order Number: 4740
Sort Number: 1

DATE: 2/3/00

RECEIVED
FEB 04 2000
N.Y.S.D.O.T.
REGION 9

ORDER INFORMATION

Date Logged In: 02-FEB-2000
Request Purpose: OTHER
Number of Cases: 1
Type(s) of Accidents: REPORTABLE AND NON-REPORTABLE
Requestor Comment: NY7/30A/ZICHA RD - NTSB REQUEST

ITEM	BEGIN DATE	END DATE	ROUTE	REFERENCE MARKER RANGE		NUMBER OF CASES
				FROM	TO	
1	01-NOV-1998	31-MAR-1999	30A	30A95011108	30A95011111	1

(7/82)

**YOU READ THE INSTRUCTIONS
ATTENTION A ON THE BACK?
FORGET ACCIDENT DATE.**

State of New York - Department of Motor Vehicles
REPORT OF MOTOR VEHICLE ACCIDENT

Page 1 of 2 Pages
5-053054

Scho

NR

Accident Date Mo. <u>07</u> Day <u>24</u> Year <u>99</u>	Day of Week <u>Sat</u>	Time <u>8 AM</u>	Number of Vehicles <u>1</u>	LDH Scene <u>Yes</u>	Did Police Investigate Department of Motor Vehicles <u>Yes</u>	Name of Police Agency	Other Vehicle No. 2
Identification Number Last 4 as Printed on License <u>██████████</u>				Registration Number Last 4 as Printed on License <u>██████████</u>			
Name of Driver 1 Last Name <u>Wilkinson</u> First Name <u>Michael</u> Middle Initial <u>M</u>				Last Name of Driver 2 <u>██████████</u> First Name <u>██████████</u> Middle Initial <u>██████████</u>			
Address and Street <u>██████████</u>				Address and Street <u>██████████</u>			
State <u>NY</u> Zip Code <u>1257</u>				City <u>██████████</u> State <u>██████████</u> Zip Code <u>██████████</u>			
Sex <u>M</u>	State of License <u>New York</u>	Date of Birth <u>██████████</u>	Sex <u>██████████</u>	State of License <u>██████████</u>			
Name of Owner 1 Last Name <u>Wilkinson</u> First Name <u>Michael</u> Middle Initial <u>M</u>				Last Name of Owner 2 <u>██████████</u> First Name <u>██████████</u> Middle Initial <u>██████████</u>			
Address and Street <u>██████████</u>				Address and Street <u>██████████</u>			
State <u>NY</u> Zip Code <u>1257</u>				City <u>██████████</u> State <u>██████████</u> Zip Code <u>██████████</u>			

No. of Occupants <u>1</u>	Plate Number <u>TFKTY</u>	Vehicle Type <u>CAR</u>	Veh. Towed Away? <u>NO</u>	Vehicle Year & Make <u>99 VW Jetta</u>	State of Reg. <u>NY</u>
4000 <input type="checkbox"/> 4401-4500 <input type="checkbox"/> 4501-4600 <input type="checkbox"/>			1700 <input type="checkbox"/> 1701-1800 <input type="checkbox"/> Over 1800 <input type="checkbox"/>		

Describe damage to veh. no. 1
passenger side window

Describe damage to veh. no. 2
None

ACCIDENT DIAGRAM

456/01

County of Accident Schoharie City/Town/Village Schoharie

Route No. or Street Name Route 30

SECTION - FILL OUT SPACE BELOW FOR EVERY PERSON INJURED OR KILLED IN THE ACCIDENT.

Name and Address	8. In Veh. No.	12. Age	13. Sex	Describe Injuries	15. K	16. A	16. B	16. C	Date of Death

Damage Property
Insured Property
Towing Company

WILCOX
WILCOX
WILCOX

No Pass 2
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Wet?
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