RIPLEY COUNTY, INDIANA
HAZARDOUS MATERIALS HIGHWAY TRAFFIC

	Representative Materials	Corridor 1	Corridor 2	Corridor 3	Corridor 4	Corridor 5	Corridor 6	Corridor 7	Corridor 8	Corridor 9	Corridor 10	Corridor 11	Corridor 12	Corridor 13	Corridor 14	Corridor 15	Corridor 16	TOTALS
		I 74 EB	I 74 WB	St Rd 46	St Rd 229	St Rd 48	101 N of Milan	101 S of Milan	50 E of V	50 W of V	421 S of V	421 N of V	St Rd 350	129 S of V	129 V to L	129 L to B	St Rd 62	
Hours of Observation		22	19	88	32	48	56	27	36	60	56	68	51	32	28	52	8	683
T/T Box Van		2220	2413	999	395	56	328	92	1238	2110	939	549	329	225	200	425	4	12522
Straight truck		468	364	1808	538	325	665	203	904	1100	1570	935	519	250	280	757	6	10692
Flat bed		311	293	179	66	60	65	22	269	607	426	415	40	168	49	121	0	3091
Multi Trailers		115	78	81	23	2	23	5	16	35	22	24	11	9	14	30	0	488
Cryogenic		3	3	1	0	0	0	0	7	4	6	5	1	2	0	0	0	32
Comprd' Gas		1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	4
Molten Sulphur		0	1	6	1	1	0	0	1	2	1	1	0	0	0	2	0	16
Pneumatic Bulk		75	72	9	3	6	23	4	110	179	117	66	13	17	5	5	0	704
Atmospheric Tanker (large)		117	180	9	4	1	11	3	23	36	17	28	16	7	6	10	0	468
Atmospheric Tanker		102	96	21	2	0	6	0	24	38	15	10	5	6	1	5	0	331
Corrosive tanker		20	23	9	4	1	2	2	26	38	15	5	8	8	1	0	0	162
High Pressure gas		9	5	28	7	10	16	4	50	68	43	47	22	4	16	21	0	350
Total Qualifying Vehicles		**3441**	**3529**	**3150**	**1043**	**462**	**1139**	**335**	**2669**	**4217**	**3172**	**2085**	**964**	**696**	**572**	**1376**	**10**	28860
Vehicles per hour		**156**	**186**	**36**	**33**	**10**	**20**	**12**	**74**	**70**	**57**	**31**	**19**	**22**	**20**	**26**	**1**	773
Corridor Rank (vph)		**2**	**1**	**6**	**7**	**15**	**11 T**	**14**	**3**	**4**	**5**	**8**	**13**	**10**	**11 T**	**9**	**16**	
Corridor Rank (% hazmat)		**3**	**2**	**9**	**12**	**15 T**	**10**	**6**	**14**	**13**	**15 T**	**5**	**8**	**11**	**4**	**7**	**1**	
Explosives																		
Placard Only		1	0	0	0	0	0	**0**	**0**	1	1	0	0	0	0	0	0	3
1.4		0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	**0**	2
Explosives Total		**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**5**
Gases																		
Flammable Gas	Acetylene	4	4	7	3	0	4	0	3	3	1	1	0	0	2	2	0	34
Non Flammable Gas	Nitrogen	4	7	10	2	0	6	2	7	8	3	2	0	0	5	6	0	62
1005	Anhydrous Ammonia	2	2	3	1	0	0	0	2	1	1	1	2	1	0	2	0	18
1046	Helium	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1050	Hydrogen Chloride, anhydrous	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1055	Isobutylene	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1951	Argon, refrigerated	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	4
1956	Compressed gas, nos	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1983	Refrigerant	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
2187	Carbon Dioxide, refrigerated	1	2	0	0	0	0	0	3	4	1	0	0	0	0	0	0	11
Gases Total		**13**	**18**	**21**	**6**	**0**	**10**	**2**	**16**	**17**	**7**	**5**	**2**	**1**	**7**	**10**	**0**	135
Flammable Liquids																		
Flammable		24	23	3	0	0	0	0	4	4	3	0	2	0	3	5	0	71
1075	Propane	8	3	42	12	8	12	5	18	40	28	39	9	6	10	21	0	261
1083	Trimethylamine, anhydrous	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3
1123	Butyl Acetates	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1160	Dimethylamine, solution	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1170	Ethyl Alcohol	1	3	0	0	0	0	0	1	4	0	1	0	0	0	0	0	10
1173	Ethyl Acetate	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
1175	Ethylbenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
1176	Ethyl Borate	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1203	Gasoline	7	9	47	9	3	18	9	13	33	17	39	19	8	3	7	2	243
1206	Heptanes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1210	Printer's Ink	2	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	5
1219	Isopropyl Alcohol	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1228	Mercaptan Mixture	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1230	Methanol	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
1245	Metyl Isobutyl Ketone	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1247	Metyl Methacrylate monomer	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1263	Paint related material	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5
1266	Perfumery Products	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1268	Petroleum Products	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1274	Propyl Alcohol	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	3
1275	Propionaldehyde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
1276	n-Propyl Acetate	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
1294	Toluene	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1307	Xylenes	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1863	Aviation Fuel	0	5	0	0	0	1	0	0	0	0	1	1	0	0	0	0	8
1866	Resin Solution	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1987	Denatured Alcohol	12	23	0	0	0	0	0	1	1	0	0	0	0	1	1	0	39
1993	Combustible Liquid, nos	9	10	3	1	0	1	0	5	6	3	2	1	4	2	3	0	50
3272	Esters, nos	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3475	Gasoline Ethanol mixture	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	5
Flammable Liquids Total		**81**	**94**	**96**	**22**	**11**	**33**	**14**	**44**	**97**	**54**	**82**	**32**	**18**	**21**	**40**	**2**	741
Flammable Solids																		
Flammable Solid		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Spontaneously Combustible		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water reactive		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1857	Textile waste, wet	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
1903	Disinfectants, corrosive, liquid	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	4
Flammable Solids Total		**2**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**7**
Oxidizer																		
Division 5.1		4	2	4	4	0	0	0	2	2	0	0	0	0	0	0	0	18
Oxygen		0	0	6	0	0	1	0	0	1	1	0	0	1	1	2	0	13
1073	Oxygen	1	2	1	0	0	0	0	1	1	2	1	0	1	0	1	0	11
1942	Ammonium Nitrate	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	4
2014	Hydrogen Peroxide, 20 to 60 %	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3139	Oxidizing Liquid, nos	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3375	Ammonium Nitrate Emulsion	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	5
Oxidizer Total		**6**	**5**	**11**	**4**	**0**	**1**	**0**	**5**	**9**	**5**	**1**	**0**	**2**	**1**	**3**	**0**	**53**
Toxic/Infection Risk																		
Infectious Substance		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Poison		4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Toxic		0	0	2	2	0	0	0	1	1	0	1	0	0	0	0	0	7
1017	Chlorine Gas	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1593	Methylene Chloride	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1710	Trichloroethylene	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1887	Bromochloromethane	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
2192	Germane	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2486	Isobutyl Isocyanate	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3291	Medical waste	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Toxic Total		**5**	**8**	**4**	**4**	**0**	**0**	**0**	**1**	**1**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**25**
Radioactive		**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	1
Corrosive																		
Corrosive		18	34	6	3	1	3	0	1	2	0	5	3	0	0	2	0	78
1715	Acetic Anhydride	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1760	Cleaning Compound	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
1776	Fluorophosphoric acid, anhydrous	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1778	Fluorosilic acid	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	4
1789	Hydrochloric acid	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1791	Sodium Hypochlorite	4	3	0	0	0	0	0	2	2	0	0	0	0	0	0	0	11
1805	Phosphoric acid	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
1812	Potassium Fluoride	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1814	Potassium Hydroxide	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1819	Sodium Aluminate solution	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
1824	Sodium Hydroxide	14	11	2	0	0	0	0	5	6	4	0	1	0	4	6	0	53
1826	Nitrating acid mixture	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1830	Sulfuric acid	4	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	8
1834	Sulphuryl chloride	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
1903	Disinfectant liquid corrosive	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2031	Nitric acid, other than red fuming	3	3	0	0	0	0	0	2	4	1	0	0	0	1	1	0	15
2033	Potassium monoxide	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2215	Maleic acid	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2276	2-Ethylhexylamine	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2586	Aryl Sulphonic acid	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2683	Ammonium Sulfide	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2693	Bisulfites, aqueous solution	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2735	Alkyamines, nos	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2789	Acetic acid	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2794	Batteries, wet, filled w/ acid	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3262	Corrosive solid basic inorganic	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3264	Corrosive liquid acidic inorganic	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
3265	Corrosive liquid acidic organic	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3266	Corrosive liquid basic inorganic	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
Corrosive Total		**54**	**73**	**8**	**5**	**1**	**3**	**1**	**13**	**17**	**6**	**7**	**6**	**0**	**5**	**9**	**0**	208
Misc Dangerous Substance																		
Placard only		2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Dangerous		9	10	1	0	0	0	1	0	0	0	2	1	0	1	1	0	26
Hot		0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
2448	Molten Sulfur	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2486	Isobutyl Isocyanate	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3077	Hazardous waste solid	0	0	0	0	0	0	0	1	4	3	2	0	0	0	0	0	10
3082	Hazardous waste liquid	3	5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	9
3257	Elevated temperature liquid	47	52	5	1	0	3	0	6	10	12	11	3	7	2	2	0	161
Misc Total		**62**	**70**	**6**	**1**	**0**	**3**	**1**	**7**	**15**	**15**	**17**	**4**	**7**	**3**	**3**	**0**	214
Total Placards		**225**	**268**	**146**	**42**	**13**	**51**	**18**	**87**	**158**	**89**	**114**	**45**	**29**	**37**	**65**	**2**	1389
Per cent Hazmat		**6.54%**	**7.59%**	**4.63%**	**4.03%**	**2.81%**	**4.48%**	**5.37%**	**3.26%**	**3.75%**	**2.81%**	**5.47%**	**4.67%**	**4.17%**	**6.47%**	**4.72%**	**20.00%**	**4.81%**
		Corridor 1	**Corridor 2**	**Corridor 3**	**Corridor 4**	**Corridor 5**	**Corridor 6**	**Corridor 7**	**Corridor 8**	**Corridor 9**	**Corridor 10**	**Corridor 11**	**Corridor 12**	**Corridor 13**	**Corridor 14**	**Corridor 15**	**Corridor 16**	**COUNTY**
		I 74 EB	**I 74 WB**	**St Rd 46**	**St Rd 229**	**St Rd 48**	**101 N of Milan**	**101 S of Milan**	**50 E of V**	**50 W of V**	**421 S of V**	**421 N of V**	**St Rd 350**	**129 S of V**	**129 V to L**	**129 L to B**	**St Rd 62**	**TOTALS**
HAZARD CLASS %																		
Explosives		0.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.15%	1.27%	1.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.36%
Gases		5.78%	6.72%	14.38%	14.29%	0.00%	19.61%	11.11%	18.39%	10.76%	7.87%	4.39%	4.44%	3.45%	18.92%	15.38%	0.00%	9.72%
Flammables		36.00%	35.07%	65.75%	52.38%	84.62%	64.71%	77.78%	50.57%	61.39%	60.67%	71.93%	71.11%	62.07%	56.76%	61.54%	100.00%	53.35%
Flam Solid		0.89%	0.00%	0.00%	0.00%	7.69%	1.96%	0.00%	0.00%	0.00%	1.12%	0.00%	2.22%	3.45%	0.00%	0.00%	0.00%	0.50%
Oxidizer		2.67%	1.87%	7.53%	9.52%	0.00%	1.96%	0.00%	5.75%	5.70%	5.62%	0.88%	0.00%	6.90%	2.70%	4.62%	0.00%	3.82%
Toxic/Infection Risk		2.22%	2.99%	2.74%	9.52%	0.00%	0.00%	0.00%	1.15%	0.63%	0.00%	1.75%	0.00%	0.00%	0.00%	0.00%	0.00%	1.80%
Radioactive		0.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%
Corrosive		24.00%	27.24%	5.48%	11.90%	7.69%	5.88%	5.56%	14.94%	10.76%	6.74%	6.14%	13.33%	0.00%	13.51%	13.85%	0.00%	14.97%
Misc Dangerous Substance		27.56%	26.12%	4.11%	2.38%	0.00%	5.88%	5.56%	8.05%	9.49%	16.85%	14.91%	8.89%	24.14%	8.11%	4.62%	0.00%	15.41%
TOTAL		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
VEHICLE TYPE BREAKDOWN																		
T/T Box Van		64.52%	68.38%	31.71%	37.87%	12.12%	28.80%	27.46%	46.38%	50.04%	29.60%	26.33%	34.13%	32.33%	34.97%	30.89%	40.00%	43.39%
Straight truck		13.60%	10.31%	57.40%	51.58%	70.35%	58.38%	60.60%	33.87%	26.08%	49.50%	44.84%	53.84%	35.92%	48.95%	55.01%	60.00%	37.05%
Flat bed		9.04%	8.30%	5.68%	6.33%	12.99%	5.71%	6.57%	10.08%	14.39%	13.43%	19.90%	4.15%	24.14%	8.57%	8.79%	0.00%	10.71%
Multi Trailers		3.34%	2.21%	2.57%	2.21%	0.43%	2.02%	1.49%	0.60%	0.83%	0.69%	1.15%	1.14%	1.29%	2.45%	2.18%	0.00%	1.69%
Cryogenic		0.09%	0.09%	0.03%	0.00%	0.00%	0.00%	0.00%	0.26%	0.09%	0.19%	0.24%	0.10%	0.29%	0.00%	0.00%	0.00%	0.11%
Comprd' Gas		0.03%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
Molten Sulphur		0.00%	0.03%	0.19%	0.10%	0.22%	0.00%	0.00%	0.04%	0.05%	0.03%	0.05%	0.00%	0.00%	0.00%	0.15%	0.00%	0.06%
Pneumatic Bulk		2.18%	2.04%	0.29%	0.29%	1.30%	2.02%	1.19%	4.12%	4.24%	3.69%	3.17%	1.35%	2.44%	0.87%	0.36%	0.00%	2.44%
Atmospheric Tanker, large		3.40%	5.10%	0.29%	0.38%	0.22%	0.97%	0.90%	0.86%	0.85%	0.54%	1.34%	1.66%	1.01%	1.05%	0.73%	0.00%	1.62%
Atmospheric Tanker		2.96%	2.72%	0.67%	0.19%	0.00%	0.53%	0.00%	0.90%	0.90%	0.47%	0.48%	0.52%	0.86%	0.17%	0.36%	0.00%	1.15%
Corrosive tanker		0.58%	0.65%	0.29%	0.38%	0.22%	0.18%	0.60%	0.97%	0.90%	0.47%	0.24%	0.83%	1.15%	0.17%	0.00%	0.00%	0.56%
High Pressure gas		0.26%	0.14%	0.89%	0.67%	2.16%	1.40%	1.19%	1.87%	1.61%	1.36%	2.25%	2.28%	0.57%	2.80%	1.53%	0.00%	1.21%
TOTAL		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

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