

# Label Confusion Matrix Report



**Label Name:** Speed limit (20km/h)

**Precision:** 0.9836065573770492

**Recall:** 1.0

**Accuracy (P):** [0.98360656 0.99861111 0.99867021  
0.99767981 0.99846626 0.99850523 0.99324324  
0.99778761 0.99763033 0.997921 0.99848255  
0.99767981 0.99854651 0.99865772 0.9962963  
0.9953271 0.99333333 0.99722222 0.99739583  
0.98333333 0.98901099 0.98809524 0.99115044  
0.99337748 0.98888889 0.9978903 0.99444444 0.975  
0.99333333 0.98901099 0.99342105 0.99647887  
0.98333333 0.9952381 0.99166667 0.99742268  
0.99166667 0.98412698 0.99855282 0.98888889  
0.98850575 0.98387097 0.98888889]

	PR Pos	PR Neg
GT Pos	60	0
GT Neg	[ 0 659 691 370 591 608 87 391 361 420 598 370 627 684 209 323 -1 30 23 52 90 29 413 119 -21 89 30 91 223 -1 149 59 2 630 29 26 1 29 ]	



**Label Name:** Speed limit (30km/h)

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

	PR Pos	PR Neg
GT Pos	720	0
GT Neg	[-659 0 32 -289 -68 -51 -572 -268 -298 -239 -61 -289 -450 -506 -570 -360 -336 -660 -629 -636 -607 -569 -630 -246 -570 -629 -568 -436 -660 -510 -600 -332 -600 -657 -29 -630 -630 ]	



**Label Name:** Speed limit (50km/h)

**Precision:** 0.9973404255319149

**Recall:** 1.0

**Accuracy (P):** [0.96721311 0.99722222 0.99734043  
0.99535963 0.99693252 0.99701046 0.98648649  
0.99557522 0.99526066 0.995842 0.9969651  
0.99535963 0.99709302 0.99731544 0.99259259  
0.99065421 0.98666667 0.99444444 0.99479167  
0.96666667 0.97802198 0.97619048 0.98230088  
0.98675497 0.97777778 0.99578059 0.98888889 0.95  
0.98666667 0.97802198 0.98684211 0.99295775  
0.96666667 0.99047619 0.98333333 0.99484536  
0.98333333 0.96825397 0.99710564 0.97777778  
0.97701149 0.96774194 0.97777778]

	PR Pos	PR Neg	
GT Pos	750	0	
GT Neg	 [-691 -32 0 -321 -100 -83 -604 -300 -330 -271 -482 -538 -602 -392 -368 -692 -661 -668 -639 -601 -602 -661 -600 -468 -692 -542 -632 -364 -632 -689 -662]		-93 -321 - -662 -278 - -61 -662 -



**Label Name:** Speed limit (60km/h)

**Precision:** 1.0

**Recall:** 0.9577777777777777

**Accuracy (P):** [0.68852459 0.97361111 0.97473404  
0.95591647 0.9708589 0.9715994 0.87162162  
0.9579646 0.9549763 0.96049896 0.97116844  
0.95591647 0.97238372 0.97449664 0.92962963  
0.91121495 0.87333333 0.94722222 0.95052083  
0.68333333 0.79120879 0.77380952 0.83185841  
0.87417219 0.78888889 0.95991561 0.89444444 0.525  
0.87333333 0.79120879 0.875 0.93309859 0.68333333  
0.90952381 0.84166667 0.95103093 0.84166667  
0.6984127 0.97250362 0.78888889 0.7816092  
0.69354839 0.78888889]

	PR Pos	PR Neg	
GT Pos	431	19	
GT Neg	 [-389 270 302 -19 202 219 -302 2 -28 31 209 -19 23 -180 -236 -300 -90 -66 -390 -359 -366 -337 -299 -360 24 - -300 -359 -298 -166 -390 -240 -330 -62 -330 -387 241 -360 - -360]	0	



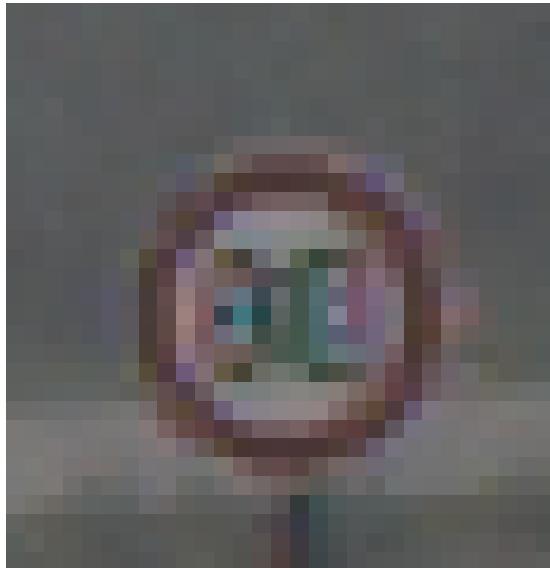
**Label Name:** Speed limit (70km/h)

**Precision:** 1.0

**Recall:** 0.9878787878787879

**Accuracy (P):** [0.86885246 0.98888889 0.9893617  
0.98143852 0.98773006 0.98804185 0.94594595  
0.98230088 0.98104265 0.98336798 0.98786039  
0.98143852 0.98837209 0.98926174 0.97037037  
0.96261682 0.94666667 0.97777778 0.97916667  
0.86666667 0.91208791 0.9047619 0.92920354  
0.94701987 0.91111111 0.98312236 0.95555556 0.8  
0.94666667 0.91208791 0.94736842 0.97183099  
0.86666667 0.96190476 0.93333333 0.97938144  
0.93333333 0.87301587 0.98842258 0.91111111  
0.90804598 0.87096774 0.91111111]

	PR Pos	PR Neg	
GT Pos	652	8	
			-1 -229 2
GT Neg	 [-599 60 92 -229 -8 9 -512 -208 -238 -179 -390 -446 -510 -300 -276 -600 -569 -576 -547 -509 -570 -186 - -510 -569 -508 -376 -600 -450 -540 -272 -540 -597 31 -570 - -570]		



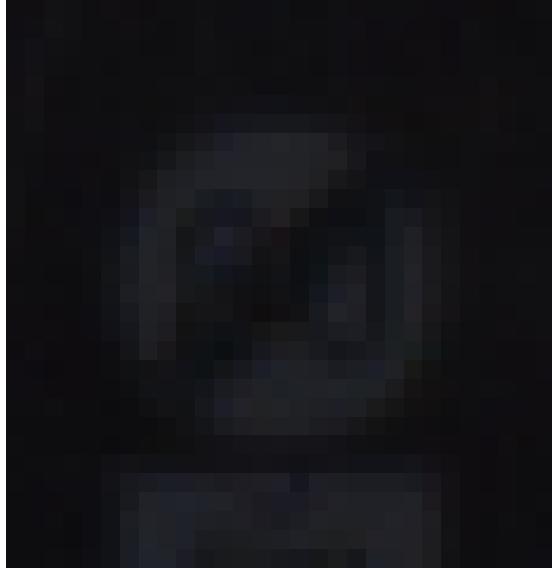
**Label Name:** Speed limit (80km/h)

**Precision:** 0.9372197309417041

**Recall:** 0.9952380952380953

**Accuracy (P):** [ 0.26229508 0.9375 0.94015957  
0.89559165 0.9309816 0.93273543 0.69594595  
0.90044248 0.89336493 0.90644491 0.93171472  
0.89559165 0.93459302 0.93959732 0.83333333  
0.78971963 0.7 0.875 0.8828125 0.25 0.50549451  
0.46428571 0.60176991 0.70198675 0.5 0.90506329  
0.75 -0.125 0.7 0.50549451 0.70394737 0.8415493 0.25  
0.78571429 0.625 0.88402062 0.625 0.28571429  
0.93487699 0.5 0.48275862 0.27419355 0.5 ]

	PR Pos	PR Neg	
GT Pos	627	3	
			-13 -241 -
GT Neg	 [-611 48 80 -241 -20 -3 -524 -220 -250 -191 -13 -241 - -402 -458 -522 -312 -288 -612 -581 -588 -559 -521 -582 -198 - -522 -581 -520 -388 -612 -462 -552 -284 -552 -609 19 -582 - -582]		



**Label Name:** End of speed limit (80km/h)

**Precision:** 1.0

**Recall:** 0.9866666666666667

**Accuracy (P):** [0.96721311 0.99722222 0.99734043

0.99535963 0.99693252 0.99701046 0.98648649

0.99557522 0.99526066 0.995842 0.9969651

0.99535963 0.99709302 0.99731544 0.99259259

0.99065421 0.98666667 0.99444444 0.99479167

0.96666667 0.97802198 0.97619048 0.98230088

0.98675497 0.97777778 0.99578059 0.98888889 0.95

0.98666667 0.97802198 0.98684211 0.99295775

0.96666667 0.99047619 0.98333333 0.99484536

0.98333333 0.96825397 0.99710564 0.97777778

0.97701149 0.96774194 0.97777778]

	PR Pos	PR Neg
GT Pos	148	2
GT Neg	-89 570 602 281 502 519 -2 302 272 331 509 281 5 120 64 0 210 234 -90 -59 -66 -37 1 -60 324 30 0 -59 2 134 -90 60 -30 238 -30 -87 541 -60 -63 -60]	



**Label Name:** Speed limit (100km/h)

**Precision:** 0.9933628318584071

**Recall:** 0.9977777777777778

**Accuracy (P):** [0.93442623 0.99444444 0.99468085

0.99071926 0.99386503 0.99402093 0.97297297

0.99115044 0.99052133 0.99168399 0.9939302

0.99071926 0.99418605 0.99463087 0.98518519

0.98130841 0.97333333 0.98888889 0.98958333

0.93333333 0.95604396 0.95238095 0.96460177

0.97350993 0.95555556 0.99156118 0.97777778 0.9

0.97333333 0.95604396 0.97368421 0.98591549

0.93333333 0.98095238 0.96666667 0.98969072

0.96666667 0.93650794 0.99421129 0.95555556

0.95402299 0.93548387 0.95555556]

	PR Pos	PR Neg
GT Pos	449	1
GT Neg	-392 267 299 -22 199 216 -305 -1 -31 28 206 -22 23 -183 -239 -303 -93 -69 -393 -362 -369 -340 -302 -363 21 -21 -303 -362 -301 -169 -393 -243 -333 -65 -333 -390 238 -363 - -363]	



**Label Name:** Speed limit (120km/h)

**Precision:** 0.9976303317535545

**Recall:** 0.9355555555555556

**Accuracy (P):** [0.50819672 0.95833333 0.96010638  
0.93039443 0.95398773 0.95515695 0.7972973  
0.93362832 0.92890995 0.93762994 0.95447648  
0.93039443 0.95639535 0.95973154 0.88888889  
0.85981308 0.8 0.91666667 0.921875 0.5 0.67032967  
0.64285714 0.73451327 0.8013245 0.66666667  
0.93670886 0.83333333 0.25 0.8 0.67032967  
0.80263158 0.8943662 0.5 0.85714286 0.75 0.92268041  
0.75 0.52380952 0.95658466 0.66666667 0.65517241  
0.51612903 0.66666667]

		PR Pos	PR Neg
GT Pos	421	29	
GT Neg	[-390 269 301 -20 201 218 -303 1 -29 30 208 -20 23 -181 -237 -301 -91 -67 -391 -360 -367 -338 -300 -361 23 -2 -301 -360 -299 -167 -391 -241 -331 -63 -331 -388 240 -361 -361]	1	



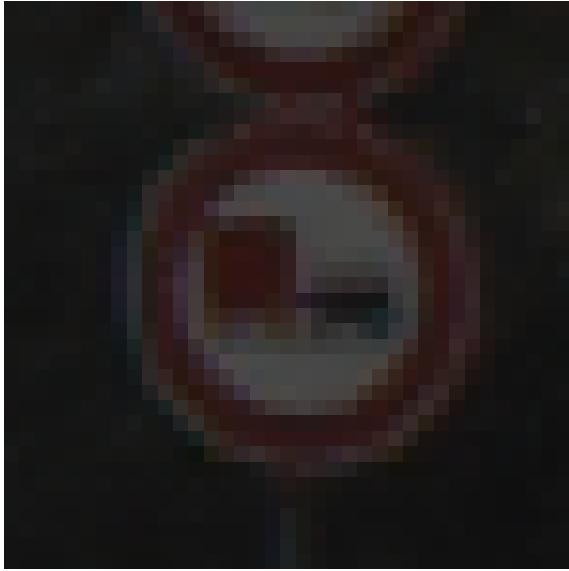
**Label Name:** No passing

**Precision:** 0.997920997920998

**Recall:** 1.0

**Accuracy (P):** [0.98360656 0.99861111 0.99867021  
0.99767981 0.99846626 0.99850523 0.99324324  
0.99778761 0.99763033 0.997921 0.99848255  
0.99767981 0.99854651 0.99865772 0.9962963  
0.9953271 0.99333333 0.99722222 0.99739583  
0.98333333 0.98901099 0.98809524 0.99115044  
0.99337748 0.98888889 0.9978903 0.99444444 0.975  
0.99333333 0.98901099 0.99342105 0.99647887  
0.98333333 0.9952381 0.99166667 0.99742268  
0.99166667 0.98412698 0.99855282 0.98888889  
0.98850575 0.98387097 0.98888889]

	PR Pos	PR Neg
GT Pos	480	0
GT Neg	<pre>[-420 239 271 -50 171 188 -333 -29 -59 0 178 -50 20 -211 -267 -331 -121 -97 -421 -390 -397 -368 -330 -391 -7 -3 -331 -390 -329 -197 -421 -271 -361 -93 -361 -418 210 -391 - -391]</pre>	



**Label Name:** No passing for vehicles over 3.5 metric tons

**Precision:** 1.0

**Recall:** 0.9984848484848485

**Accuracy (P):** [0.98360656 0.99861111 0.99867021  
0.99767981 0.99846626 0.99850523 0.99324324  
0.99778761 0.99763033 0.997921 0.99848255  
0.99767981 0.99854651 0.99865772 0.9962963  
0.9953271 0.99333333 0.99722222 0.99739583  
0.98333333 0.98901099 0.98809524 0.99115044  
0.99337748 0.98888889 0.9978903 0.99444444 0.975  
0.99333333 0.98901099 0.99342105 0.99647887  
0.98333333 0.9952381 0.99166667 0.99742268  
0.99166667 0.98412698 0.99855282 0.98888889  
0.98850575 0.98387097 0.98888889]

	PR Pos	PR Neg
GT Pos	659	1
GT Neg	<pre>[-599 60 92 -229 -8 9 -512 -208 -238 -179 -1 -229 2 -390 -446 -510 -300 -276 -600 -569 -576 -547 -509 -570 -186 - -510 -569 -508 -376 -600 -450 -540 -272 -540 -597 31 -570 - -570]</pre>	



**Label Name:** Right of way at the next intersection

**Precision:** 0.962877030162413

**Recall:** 0.9880952380952381

**Accuracy (P):** [0.6557377 0.97083333 0.97207447

0.9512761 0.96779141 0.96860987 0.85810811

0.95353982 0.95023697 0.95634096 0.96813354

0.9512761 0.96947674 0.97181208 0.92222222

0.90186916 0.86 0.94166667 0.9453125 0.65

0.76923077 0.75 0.81415929 0.86092715 0.76666667

0.9556962 0.88333333 0.475 0.86 0.76923077

0.86184211 0.92605634 0.65 0.9 0.825 0.94587629

0.825 0.66666667 0.96960926 0.76666667 0.75862069

0.66129032 0.76666667]

	PR Pos	PR Neg	
GT Pos	415	5	
GT Neg			[ -375 284 316 -5 216 233 -288 16 -14 45 223 -5 25 -166 -222 -286 -76 -52 -376 -345 -352 -323 -285 -346 38 -2 -286 -345 -284 -152 -376 -226 -316 -48 -316 -373 255 -346 - -346 ]



**Label Name:** Priority road

**Precision:** 0.997093023255814

**Recall:** 0.9942028985507246

**Accuracy (P):** [0.90163934 0.99166667 0.99202128  
0.98607889 0.99079755 0.99103139 0.95945946  
0.98672566 0.98578199 0.98752599 0.9908953  
0.98607889 0.99127907 0.99194631 0.97777778  
0.97196262 0.96 0.98333333 0.984375 0.9 0.93406593  
0.92857143 0.94690265 0.9602649 0.93333333  
0.98734177 0.96666667 0.85 0.96 0.93406593  
0.96052632 0.97887324 0.9 0.97142857 0.95  
0.98453608 0.95 0.9047619 0.99131693 0.93333333  
0.93103448 0.90322581 0.93333333]

	PR Pos	PR Neg	
GT Pos	686	4	
GT Neg			-33 -261
			-422 -478 -542 -332 -308 -632 -601 -608 -579 -541 -602 -218 -542 -601 -540 -408 -632 -482 -572 -304 -572 -629 -1 -602 -602]



**Label Name:** Yield

**Precision:** 0.9664429530201343

**Recall:** 1.0

**Accuracy (P):** [0.59016393 0.96527778 0.96675532  
0.94199536 0.96165644 0.96263079 0.83108108  
0.94469027 0.94075829 0.94802495 0.96206373  
0.94199536 0.96366279 0.96644295 0.90740741  
0.88317757 0.83333333 0.93055556 0.93489583  
0.58333333 0.72527473 0.70238095 0.77876106  
0.83443709 0.72222222 0.94725738 0.86111111 0.375  
0.83333333 0.72527473 0.83552632 0.91197183  
0.58333333 0.88095238 0.79166667 0.93556701  
0.79166667 0.6031746 0.96382055 0.72222222  
0.71264368 0.59677419 0.72222222]

	PR Pos	PR Neg	
GT Pos	720	0	
GT Neg			-86 -314 -
			-475 -531 -595 -385 -361 -685 -654 -661 -632 -594 -655 -271 -595 -654 -593 -461 -685 -535 -625 -357 -625 -682 -54 -655 -655]



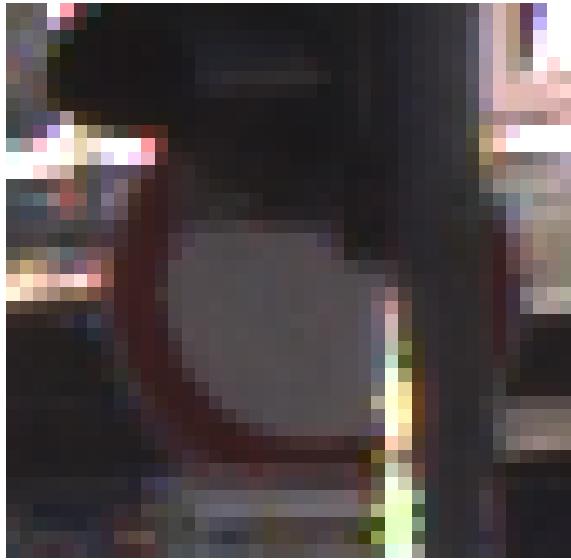
**Label Name:** Stop

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

	PR Pos	PR Neg
GT Pos	270	0
GT Neg	-209 450 482 161 382 399 -122 182 152 211 389 161 0 -56 -120 90 114 -210 -179 -186 -157 -119 -180 204 -120 -179 -118 14 -210 -60 -150 118 -150 -207 421 -180 -180]	



**Label Name:** No vehicles

**Precision:** 0.9766355140186916

**Recall:** 0.9952380952380953

**Accuracy (P):** [0.90163934 0.99166667 0.99202128  
0.98607889 0.99079755 0.99103139 0.95945946  
0.98672566 0.98578199 0.98752599 0.9908953  
0.98607889 0.99127907 0.99194631 0.97777778  
0.97196262 0.96 0.98333333 0.984375 0.9 0.93406593  
0.92857143 0.94690265 0.9602649 0.93333333  
0.98734177 0.96666667 0.85 0.96 0.93406593  
0.96052632 0.97887324 0.9 0.97142857 0.95  
0.98453608 0.95 0.9047619 0.99131693 0.93333333  
0.93103448 0.90322581 0.93333333]

	PR Pos	PR Neg
GT Pos	209	1
GT Neg	-154 505 537 216 437 454 -67 237 207 266 444 216 4 55 -1 -65 145 169 -155 -124 -131 -102 -64 -125 259 -3 -65 -124 -63 69 -155 -5 -95 173 -95 -152 476 -125 -125 -125]	



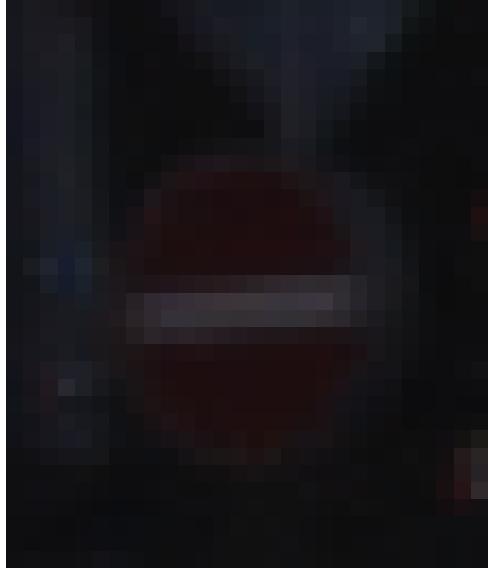
**Label Name:** Vehicles over 3.5 metric tons prohibited

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

	PR Pos	PR Neg
GT Pos	150	0
GT Neg	-89 570 602 281 502 519 -2 302 272 331 509 281 5 120 64 0 210 234 -90 -59 -66 -37 1 -60 324 30 0 -59 0 2 134 -90 60 -30 238 -30 -87 541 -60 -63 -60]	



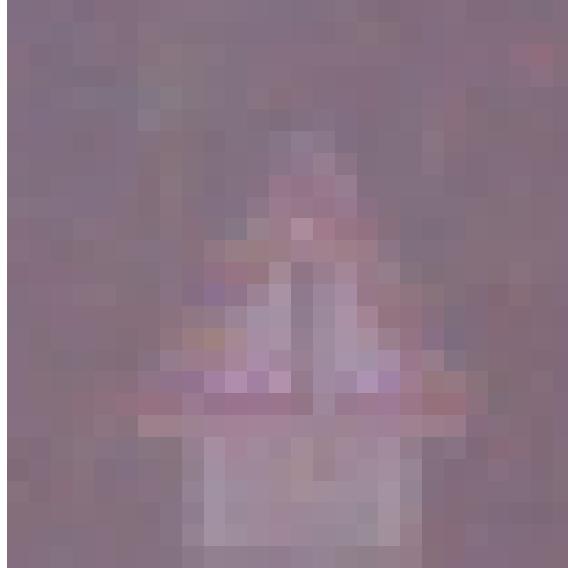
**Label Name:** No entry

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

	PR Pos	PR Neg
GT Pos	360	0
GT Neg	-299 360 392 71 292 309 -212 92 62 121 299 71 32 -90 -146 -210 0 24 -300 -269 -276 -247 -209 -270 114 -11 -210 -269 -208 -76 -300 -150 -240 28 -240 -297 331 -270 -270]	



**Label Name:** General caution

**Precision:** 0.9973958333333334

**Recall:** 0.982051282051282

**Accuracy (P):** [0.86885246 0.98888889 0.9893617

0.98143852 0.98773006 0.98804185 0.94594595

0.98230088 0.98104265 0.98336798 0.98786039

0.98143852 0.98837209 0.98926174 0.97037037

0.96261682 0.94666667 0.97777778 0.97916667

0.86666667 0.91208791 0.9047619 0.92920354

0.94701987 0.91111111 0.98312236 0.95555556 0.8

0.94666667 0.91208791 0.94736842 0.97183099

0.86666667 0.96190476 0.93333333 0.97938144

0.93333333 0.87301587 0.98842258 0.91111111

0.90804598 0.87096774 0.91111111]

	PR Pos	PR Neg
GT Pos	383	7
GT Neg	-330 329 361 40 261 278 -243 61 31 90 268 40 29 -121 -177 -241 -31 -7 -331 -300 -307 -278 -240 -301 83 -2 -241 -300 -239 -107 -331 -181 -271 -3 -271 -328 300 -301 -301]	



**Label Name:** Dangerous curve to the left

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

1. 1. 1. 1.]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 60  | 0      |
| GT Neg | [ 1 660 692 371 592 609 88 392 362 421 599 371 628 685 210<br>324 0 31 24 53 91 30 414 120 -20 90 31 92 224 0 150<br>60 3 631 30 27 2 30] |        |



**Label Name:** Dangerous curve to the right

**Precision:** 0.989010989010989

**Recall:** 1.0

**Accuracy (P):** [0.98360656 0.99861111 0.99867021  
0.99767981 0.99846626 0.99850523 0.99324324  
0.99778761 0.99763033 0.997921 0.99848255  
0.99767981 0.99854651 0.99865772 0.9962963  
0.9953271 0.99333333 0.99722222 0.99739583  
0.98333333 0.98901099 0.98809524 0.99115044  
0.99337748 0.98888889 0.9978903 0.99444444 0.975  
0.99333333 0.98901099 0.99342105 0.99647887  
0.98333333 0.9952381 0.99166667 0.99742268  
0.99166667 0.98412698 0.99855282 0.98888889  
0.98850575 0.98387097 0.98888889]

|        | PR Pos   | PR Neg                  |
|--------|--|-------------------------|
| GT Pos | 90   | 0                       |
| GT Neg | -30 629 661 340 561 578 57 361 331 390 568 340 597 654 179<br>293 -31 01-7 22 60 -1 383 89 -51 59 0 61 193 -31 119 | 29 -28 600 -1 -4 -29 -1 |



**Label Name:** Double curve

**Precision:** 0.9761904761904762

**Recall:** 0.911111111111111

**Accuracy (P):** [0.83606557 0.98611111 0.98670213

0.97679814 0.98466258 0.98505232 0.93243243

0.97787611 0.97630332 0.97920998 0.98482549

0.97679814 0.98546512 0.98657718 0.96296296

0.95327103 0.93333333 0.97222222 0.97395833

0.83333333 0.89010989 0.88095238 0.91150442

0.93377483 0.88888889 0.97890295 0.94444444 0.75

0.93333333 0.89010989 0.93421053 0.96478873

0.83333333 0.95238095 0.91666667 0.9742268

0.91666667 0.84126984 0.98552822 0.88888889

0.88505747 0.83870968 0.88888889]

|        | PR Pos   | PR Neg |
|--------|--|--------|
| GT Pos | 82   | 8      |
| GT Neg | -31 628 660 339 560 577 56 360 330 389 567 339 596 653 178<br>292 -32 -12-8 21 59 -2 382 88 -52 58 -1 60 192 -32 118<br>28 -29 599 -2 -5 -30 -2] |        |



**Label Name:** Bumpy road

**Precision:** 1.0

**Recall:** 0.9416666666666667

**Accuracy (P):** [0.8852459 0.99027778 0.99069149

0.9837587 0.9892638 0.98953662 0.9527027

0.98451327 0.98341232 0.98544699 0.98937785

0.9837587 0.98982558 0.99060403 0.97407407

0.96728972 0.95333333 0.98055556 0.98177083

0.88333333 0.92307692 0.91666667 0.9380531

0.95364238 0.92222222 0.98523207 0.96111111 0.825

0.95333333 0.92307692 0.95394737 0.97535211

0.88333333 0.96666667 0.94166667 0.98195876

0.94166667 0.88888889 0.98986975 0.92222222

0.91954023 0.88709677 0.92222222]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 113   | 7      |
| GT Neg | -59 600 632 311 532 549 28 332 302 361 539 311 568 625 150<br>264 -60 -290-36 -7 31 -30 354 60 -80 30 -29 32 164 -60 90<br>0 -57 571 -30 -33 -58 -30] |        |



**Label Name:** Slippery road

**Precision:** 0.9933774834437086

**Recall:** 1.0

**Accuracy (P):** [0.98360656 0.99861111 0.99867021  
0.99767981 0.99846626 0.99850523 0.99324324  
0.99778761 0.99763033 0.997921 0.99848255  
0.99767981 0.99854651 0.99865772 0.9962963  
0.9953271 0.99333333 0.99722222 0.99739583  
0.98333333 0.98901099 0.98809524 0.99115044  
0.99337748 0.98888889 0.9978903 0.99444444 0.975  
0.99333333 0.98901099 0.99342105 0.99647887  
0.98333333 0.9952381 0.99166667 0.99742268  
0.99166667 0.98412698 0.99855282 0.98888889  
0.98850575 0.98387097 0.98888889]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 150   | 0      |
| GT Neg | -90 569 601 280 501 518 -3 301 271 330 508 280 5<br>119 63 -1 209 233 -91 -60 -67 -38 0 -61 323 29<br>-1 -60 1 133 -91 59 -31 237 -31 -88 540 -61 -64<br>-61] |        |



**Label Name:** Road narrows on the right

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 90  | 0      |
| GT Neg | -29 630 662 341 562 579 58 362 332 391 569 341 598 655 180<br>294 -30 10-6 23 61 0 384 90 -50 60 1 62 194 -30 120<br>30 -27 601 0 -3 -28 0] |        |



**Label Name:** Road work

**Precision:** 0.9957805907172996

**Recall:** 0.9833333333333333

**Accuracy (P):** [0.83606557 0.98611111 0.98670213  
0.97679814 0.98466258 0.98505232 0.93243243  
0.97787611 0.97630332 0.97920998 0.98482549  
0.97679814 0.98546512 0.98657718 0.96296296  
0.95327103 0.93333333 0.97222222 0.97395833  
0.83333333 0.89010989 0.88095238 0.91150442  
0.93377483 0.88888889 0.97890295 0.94444444 0.75  
0.93333333 0.89010989 0.93421053 0.96478873  
0.83333333 0.95238095 0.91666667 0.9742268  
0.91666667 0.84126984 0.98552822 0.88888889  
0.88505747 0.83870968 0.88888889]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 472   | 8      |
| GT Neg | -421 238 270 -51 170 187 -334 -30 -60 -1 177 -51 20<br>-212 -268 -332 -122 -98 -422 -391 -398 -369 -331 -392 -8 -3<br>-332 -391 -330 -198 -422 -272 -362 -94 -362 -419 209 -392 -392] |        |



**Label Name:** Traffic signals

**Precision:** 0.9888888888888889

**Recall:** 0.9888888888888889

**Accuracy (P):** [0.93442623 0.99444444 0.99468085

0.99071926 0.99386503 0.99402093 0.97297297

0.99115044 0.99052133 0.99168399 0.9939302

0.99071926 0.99418605 0.99463087 0.98518519

0.98130841 0.97333333 0.98888889 0.98958333

0.93333333 0.95604396 0.95238095 0.96460177

0.97350993 0.95555556 0.99156118 0.97777778 0.9

0.97333333 0.95604396 0.97368421 0.98591549

0.93333333 0.98095238 0.96666667 0.98969072

0.96666667 0.93650794 0.99421129 0.95555556

0.95402299 0.93548387 0.95555556]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 178   | 2      |
| GT Neg | -121 538 570 249 470 487 -34 270 240 299 477 249 5<br>88 32 -32 178 202 -122 -91 -98 -69 -31 -92 292 -2<br>-32 -91 -30 102 -122 28 -62 206 -62 -119 509 -92 -92<br>-92] |        |



**Label Name:** Pedestrians

**Precision:** 1.0

**Recall:** 0.6666666666666666

**Accuracy (P):** [0.67213115 0.97222222 0.97340426

0.95359629 0.96932515 0.97010463 0.86486486

0.95575221 0.95260664 0.95841996 0.96965099

0.95359629 0.97093023 0.97315436 0.92592593

0.90654206 0.86666667 0.94444444 0.94791667

0.66666667 0.78021978 0.76190476 0.82300885

0.86754967 0.77777778 0.95780591 0.88888889 0.5

0.86666667 0.78021978 0.86842105 0.92957746

0.66666667 0.9047619 0.83333333 0.94845361

0.83333333 0.68253968 0.97105644 0.77777778

0.77011494 0.67741935 0.77777778]

|        | PR Pos   | PR Neg |
|--------|--|--------|
| GT Pos | 40   | 20     |
| GT Neg | [ 1 660 692 371 592 609 88 392 362 421 599 371 628 685 210 324 0 31 24 53 91 30 414 120 -20 90 31 92 224 0 150 60 3 631 30 27 2 30 ] |        |



**Label Name:** Children crossing

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 150   | 0      |
| GT Neg | [ -89 570 602 281 502 519 -2 302 272 331 509 281 5 120 64 0 210 234 -90 -59 -66 -37 1 -60 324 30 0 -59 2 134 -90 60 -30 238 -30 -87 541 -60 -63 ] | -60 ]  |



**Label Name:** Bicycles crossing

**Precision:** 0.989010989010989

**Recall:** 1.0

**Accuracy (P):** [0.98360656 0.99861111 0.99867021  
0.99767981 0.99846626 0.99850523 0.99324324  
0.99778761 0.99763033 0.997921 0.99848255  
0.99767981 0.99854651 0.99865772 0.9962963  
0.9953271 0.99333333 0.99722222 0.99739583  
0.98333333 0.98901099 0.98809524 0.99115044  
0.99337748 0.98888889 0.9978903 0.99444444 0.975  
0.99333333 0.98901099 0.99342105 0.99647887  
0.98333333 0.9952381 0.99166667 0.99742268  
0.99166667 0.98412698 0.99855282 0.98888889  
0.98850575 0.98387097 0.98888889]

|        | PR Pos   | PR Neg                   |
|--------|--|--------------------------|
| GT Pos | 90   | 0                        |
| GT Neg | -30 629 661 340 561 578 57 361 331 390 568 340 597 654 179<br>293 -31 01-7 22 60 -1 383 89 -51 59 0 61 193 -31 119 | 29 -28 600 -1 -4 -29 -1] |



**Label Name:** Beware of ice/snow

**Precision:** 0.9671052631578947

**Recall:** 0.98

**Accuracy (P):** [0.86885246 0.98888889 0.9893617

0.98143852 0.98773006 0.98804185 0.94594595

0.98230088 0.98104265 0.98336798 0.98786039

0.98143852 0.98837209 0.98926174 0.97037037

0.96261682 0.94666667 0.97777778 0.97916667

0.86666667 0.91208791 0.9047619 0.92920354

0.94701987 0.91111111 0.98312236 0.95555556 0.8

0.94666667 0.91208791 0.94736842 0.97183099

0.86666667 0.96190476 0.93333333 0.97938144

0.93333333 0.87301587 0.98842258 0.91111111

0.90804598 0.87096774 0.91111111]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 147   | 3      |
| GT Neg | -94 565 597 276 497 514 -7 297 267 326 504 276 5<br>115 59 -5 205 229 -95 -64 -71 -42 -4 -65 319 25<br>-5 -64 -3 129 -95 55 -35 233 -35 -92 536 -65 -68<br>-5 | -65]   |



**Label Name:** Wild animals crossing

**Precision:** 0.9507042253521126

**Recall:** 1.0

**Accuracy (P):** [0.7704918 0.98055556 0.98138298

0.9675174 0.97852761 0.97907324 0.90540541

0.96902655 0.96682464 0.97089397 0.97875569

0.9675174 0.97965116 0.98120805 0.94814815

0.93457944 0.90666667 0.96111111 0.96354167

0.76666667 0.84615385 0.83333333 0.87610619

0.90728477 0.84444444 0.97046414 0.92222222 0.65

0.90666667 0.84615385 0.90789474 0.95070423

0.76666667 0.93333333 0.88333333 0.96391753

0.88333333 0.77777778 0.97973951 0.84444444

0.83908046 0.77419355 0.84444444]

|        | PR Pos   | PR Neg |
|--------|--|--------|
| GT Pos | 270  | 0      |
| GT Neg | -223 436 468 147 368 385 -136 168 138 197 375 147<br>-14 -70 -134 76 100 -224 -193 -200 -171 -133 -194 190 -1<br>-134 -193 -132 0 -224 -74 -164 104 -164 -221 407 -194 -1<br>-194] | -194]  |



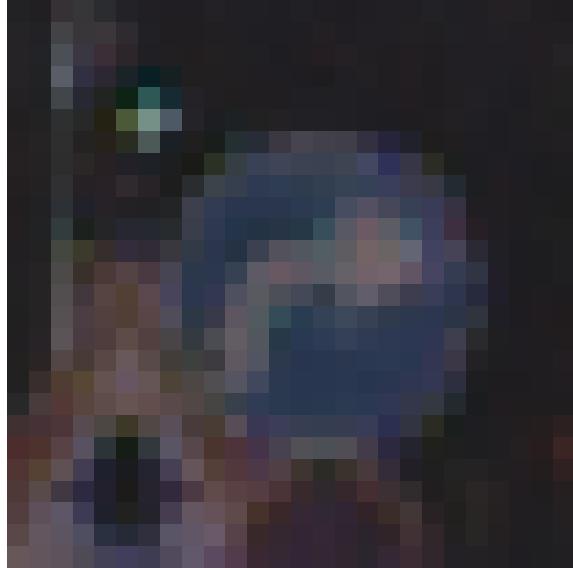
**Label Name:** End of all speed limits

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

|        | PR Pos   | PR Neg  |
|--------|--|---|
| GT Pos | 60   | 0   |
| GT Neg | [ 1 660 692 371 592 609 88 392 362 421 599 371 628 685 210 ] | 324 0 31 24 53 91 30 414 120 -20 90 31 92 224 0 150 |



**Label Name:** Turn right ahead

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

|        | PR Pos   | PR Neg |
|--------|--|--------|
| GT Pos | 210  | 0      |
| GT Neg | -149 510 542 221 442 459 -62 242 212 271 449 221 4<br>60 4 -60 150 174 -150 -119 -126 -97 -59 -120 264 -3<br>-60 -119 -58 74 -150 0 -90 178 -90 -147 481 -120 -12<br>-120] |        |



**Label Name:** Turn left ahead

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 120   | 0      |
| GT Neg | -59 600 632 311 532 549 28 332 302 361 539 311 568 625 150<br>264 -60 -290 36 -7 31 -30 354 60 -80 30 -29 32 164 -60 90<br>0 -57 571 -30 -33 -58 -30] |        |



**Label Name:** Ahead only

**Precision:** 0.9974226804123711

**Recall:** 0.9923076923076923

**Accuracy (P):** [0.93442623 0.99444444 0.99468085

0.99071926 0.99386503 0.99402093 0.97297297

0.99115044 0.99052133 0.99168399 0.9939302

0.99071926 0.99418605 0.99463087 0.98518519

0.98130841 0.97333333 0.98888889 0.98958333

0.93333333 0.95604396 0.95238095 0.96460177

0.97350993 0.95555556 0.99156118 0.97777778 0.9

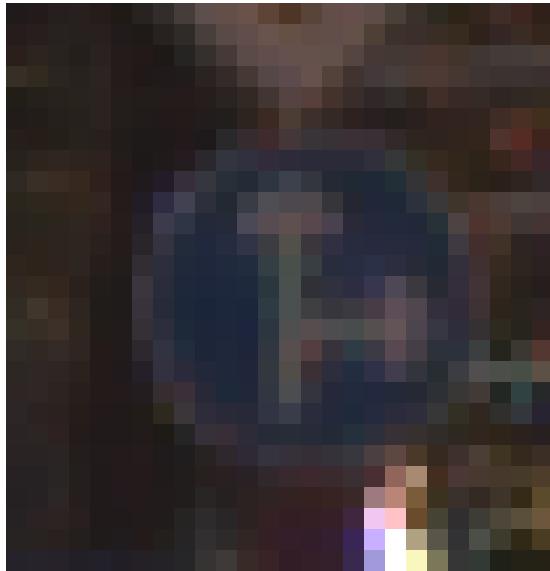
0.97333333 0.95604396 0.97368421 0.98591549

0.93333333 0.98095238 0.96666667 0.98969072

0.96666667 0.93650794 0.99421129 0.95555556

0.95402299 0.93548387 0.95555556]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 387   | 3      |
| GT Neg | [-330 329 361 40 261 278 -243 61 31 90 268 40 29<br>-121 -177 -241 -31 -7 -331 -300 -307 -278 -240 -301 83 -2<br>-241 -300 -239 -107 -331 -181 -271 -3 -271 -328 300 -301 -301] |        |



**Label Name:** Go straight or right

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

|        | PR Pos   | PR Neg                     |
|--------|--|----------------------------|
| GT Pos | 120  | 0                          |
| GT Neg | -59 600 632 311 532 549 28 332 302 361 539 311 568 625 150<br>264 -60 -290 -36 -7 31 -30 354 60 -80 30 -29 32 164 -60 90 | 0 -57 571 -30 -33 -58 -30] |



**Label Name:** Go straight or left

**Precision:** 0.9523809523809523

**Recall:** 1.0

**Accuracy (P):** [0.95081967 0.99583333 0.99601064  
0.99303944 0.99539877 0.9955157 0.97972973  
0.99336283 0.992891 0.99376299 0.99544765  
0.99303944 0.99563953 0.99597315 0.98888889  
0.98598131 0.98 0.99166667 0.9921875 0.95  
0.96703297 0.96428571 0.97345133 0.98013245  
0.96666667 0.99367089 0.98333333 0.925 0.98  
0.96703297 0.98026316 0.98943662 0.95 0.98571429  
0.975 0.99226804 0.975 0.95238095 0.99565847  
0.96666667 0.96551724 0.9516129 0.96666667]

|        | PR Pos  | PR Neg             |
|--------|---|--------------------|
| GT Pos | 60  | 0                  |
| GT Neg | -2 657 689 368 589 606 85 389 359 418 596 368 625 682 207<br>321 -3 28 31 50 88 27 411 117 -23 87 28 89 221 -3 147<br>57 0 628 27 24 -1 27] | 0 628 27 24 -1 27] |



**Label Name:** Keep right

**Precision:** 0.9985528219971056

**Recall:** 1.0

**Accuracy (P):** [0.98360656 0.99861111 0.99867021]

0.99767981 0.99846626 0.99850523 0.99324324

0.99778761 0.99763033 0.997921 0.99848255

0.99767981 0.99854651 0.99865772 0.9962963

0.9953271 0.99333333 0.99722222 0.99739583

0.98333333 0.98901099 0.98809524 0.99115044

0.99337748 0.98888889 0.9978903 0.99444444

0.993333333 0.98901099 0.99342105 0.99647887

0.983333333 0.9952381 0.991666667 0.99742268

0.99166667 0.98412698 0.99855282 0.98888889

0.99100007 0.9842098 0.99855282 0.98888889  
0 98850575 0 98387097 0 988888891

0.98850575 0.98387097 0.98888889]

|        | PR Pos  | PR Neg |  |
|--------|---|--------|--|
| GT Pos | 690   | 0      |  |
| GT Neg | $[-630 \ 29 \ 61 \ -260 \ -39 \ -22 \ -543 \ -239 \ -269 \ -210 \ -32 \ -260]$ $-421 \ -477 \ -541 \ -331 \ -307 \ -631 \ -600 \ -607 \ -578 \ -540 \ -601 \ -217 \ -$ $-541 \ -600 \ -539 \ -407 \ -631 \ -481 \ -571 \ -303 \ -571 \ -628 \ 0 \ -601 \ -$ $-601]$ |        |  |



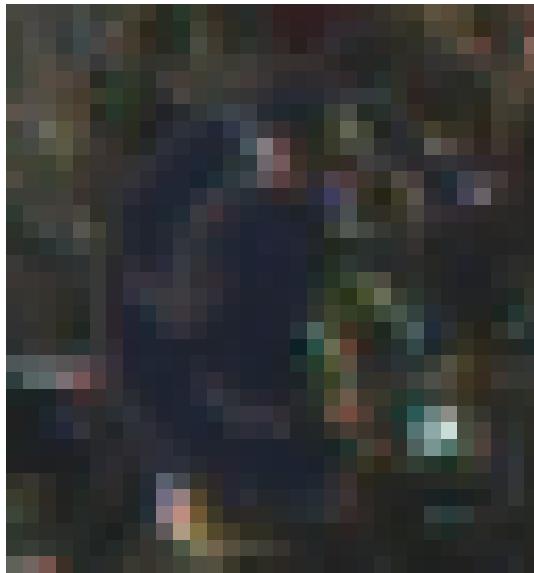
**Label Name:** Keep left

**Precision:** 1.0

**Recall:** 1.0

**Accuracy (P):** [1. 1.]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 90  | 0      |
| GT Neg | -29 630 662 341 562 579 58 362 332 391 569 341 598 655 180<br>294 -30 10-6 23 61 0 384 90 -50 60 1 62 194 -30 120<br>30 -27 601 0 -3 -28 0] |        |



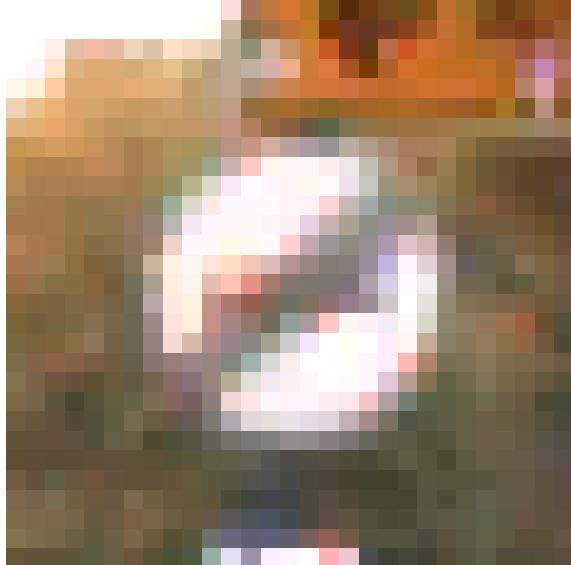
**Label Name:** Roundabout mandatory

**Precision:** 1.0

**Recall:** 0.9666666666666667

**Accuracy (P):** [0.95081967 0.99583333 0.99601064  
0.99303944 0.99539877 0.9955157 0.97972973  
0.99336283 0.992891 0.99376299 0.99544765  
0.99303944 0.99563953 0.99597315 0.98888889  
0.98598131 0.98 0.99166667 0.9921875 0.95  
0.96703297 0.96428571 0.97345133 0.98013245  
0.96666667 0.99367089 0.98333333 0.925 0.98  
0.96703297 0.98026316 0.98943662 0.95 0.98571429  
0.975 0.99226804 0.975 0.95238095 0.99565847  
0.96666667 0.96551724 0.9516129 0.96666667]

|        | PR Pos  | PR Neg |
|--------|---|--------|
| GT Pos | 87  | 3      |
| GT Neg | -29 630 662 341 562 579 58 362 332 391 569 341 598 655 180<br>294 -30 10-6 23 61 0 384 90 -50 60 1 62 194 -30 120<br>30 -27 601 0 -3 -28 0] |        |



**Label Name:** End of no passing

**Precision:** 0.967741935483871

**Recall:** 1.0

**Accuracy (P):** [0.96721311 0.99722222 0.99734043

0.99535963 0.99693252 0.99701046 0.98648649

0.99557522 0.99526066 0.995842 0.9969651

0.99535963 0.99709302 0.99731544 0.99259259

0.99065421 0.98666667 0.99444444 0.99479167

0.96666667 0.97802198 0.97619048 0.98230088

0.98675497 0.97777778 0.99578059 0.98888889 0.95

0.98666667 0.97802198 0.98684211 0.99295775

0.96666667 0.99047619 0.98333333 0.99484536

0.98333333 0.96825397 0.99710564 0.97777778

0.97701149 0.96774194 0.97777778]

|        | PR Pos   | PR Neg |
|--------|--|--------|
| GT Pos | 60   | 0      |
| GT Neg | [ -1 658 690 369 590 607 86 390 360 419 597 369 626 683 208<br>322 -2 29 22 51 89 28 412 118 -22 88 29 90 222 -2 148<br>58 1 629 28 25 0 28] |        |



**Label Name:** End of no passing by vehicles over 3.5 metric tons

**Precision:** 0.9888888888888889

**Recall:** 0.9888888888888889

**Accuracy (P):** [0.96721311 0.99722222 0.99734043  
0.99535963 0.99693252 0.99701046 0.98648649  
0.99557522 0.99526066 0.995842 0.9969651  
0.99535963 0.99709302 0.99731544 0.99259259  
0.99065421 0.98666667 0.99444444 0.99479167  
0.96666667 0.97802198 0.97619048 0.98230088  
0.98675497 0.97777778 0.99578059 0.98888889 0.95  
0.98666667 0.97802198 0.98684211 0.99295775  
0.96666667 0.99047619 0.98333333 0.99484536  
0.98333333 0.96825397 0.99710564 0.97777778  
0.97701149 0.96774194 0.97777778]

|        | PR Pos   | PR Neg |
|--------|--|--------|
| GT Pos | 89   | 1      |
| GT Neg | -30 629 661 340 561 578 57 361 331 390 568 340 597 654 179<br>293 -31 01-7 22 60 -1 383 89 -51 59 0 61 193 -31 119<br>29 -28 600 -1 -4 -29 -1] |        |