

# StreetPro Navigation Premium

Version 2019.09.0

Release Notes



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# 1 - Introduction

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## Overview

This document outlines what's new in the datasets, the data statistics, and the known issues, if any, for the current data release. For the latest product features and other details, see the StreetPro Navigation Premium Product Guide, which is available at:

<http://www.pbinsight.com/support/product-documentation/details/streetpro-navigation>

## StreetPro Variants

The StreetPro® suite consists of four related products:

### ***StreetPro Display***

StreetPro Display (1:10,000 scale) combines the most comprehensive national road network in the world with a large-scale digital map base. Street networks are chained for fast rendering with no loss of detail and split by road classification layers to enhance map display. Multiple layers of information including railways, international and administrative boundaries, urban areas, comprehensive geographical points of interest, coastlines, waterbodies, land cover and gazetteers provide a foundation for map production and enable fast display of background reference maps. Equal maintenance of both metropolitan and regional areas ensures consistent coverage on a national scale. StreetPro Display enables complete, country-wide mapping for more than 100 countries.

Visit <https://www.pitneybowes.com/us/data/street-data/contextual-map-data.html> for more details.

### ***StreetPro Classic***

StreetPro Classic (1:10,000 scale), combines all the StreetPro Display features with authoritative address ranges on each segment, providing a foundation for: Map production, Routing (where absolute route accuracy is not required), Low volume geocoding, Low resolution reverse geocoding, Business analysis, and more.

Visit <https://www.pitneybowes.com/us/data/street-data/address-data.html> for more information.

### ***StreetPro Navigation Premium***

StreetPro Navigation Premium (1:10,000 scale) combines all the StreetPro Classic features with premium navigational information that adds the ability to calculate the most precise, efficient route between points on a road network, taking average speed profiles for time of day and vehicle height, width, and weight restrictions into account.

Visit <https://www.pitneybowes.com/us/data/street-data/road-travel-data.html> for more details.

**StreetPro Traffic**

StreetPro Traffic (1:10,000 scale) aligns probe data collected from mobile and navigation devices with StreetPro street segments to provide indicative traffic volumes by time of day, day of week and month. This add-on pack is compatible with StreetPro Navigation Premium.

Visit <https://www.pitneybowes.com/us/data/street-data/traffic-data.html> for more details.

**StreetPro World**

StreetPro World (1:500,000 scale), is designed for state and country-wide mapping where a comprehensive, small-scale reference layer is required. This intermediate-level digital map base includes roads, railways, international and administrative boundaries, urban areas, coastlines, water bodies, land cover and gazetteers for approximately 240 countries. Suitable applications include graphic output, backdrop mapping and route planning.

Visit <https://www.pitneybowes.com/us/data/street-data/road-data.html> for more details.

# 2 - What's New

## In this section

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What's new in this version

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## What's new in this version

**Note:** The data can now be accessed simply by unzipping the product .zip archives. The folder structure and the data files within these zip archives have been described in the Product Guide document found [here](#). The installation .exe, included in the previous versions of the product, has now been discontinued.

Following are the country specific updates that have been implemented in this release:

### Denmark

- Missing National and Regional Parks are added based on the source Protected Planet. National and Regional Parks which were already present in the data are not yet reviewed and updated, this will be planned in 2020. The definition and scope of National or Regional Park is based on the attributes 'IUCN class' and 'Designation' in Protected Planet.
- House Number Ranges were updated for 19800 km of road geometry.
- 590 Admin Area are added.
- Around 791 LandUse are updated.

### Finland

- House Number Ranges were updated for 62400 km of road geometry.
- Street Names were updated for 2200 km of road geometry.
- Approximately 270 km of new roads have been added across the country.
- Speed Restrictions updated for over 2000 km roads.
- Around 396 LandUse are updated.

### France

- Missing National and Regional Parks are added based on the source Protected Planet. National and Regional Parks which were already present in the data are not yet reviewed and updated, this will be planned in 2020. The definition and scope of National or Regional Park is based on the attributes 'IUCN class' and 'Designation' in Protected Planet. Limited amount of parks will be added later.
- House Number Ranges were updated for 52600 km of road geometry.
- Around 6651 LandUse are updated.
- To improve the Addressing offering, 620000 new City Centers of type hamlet were added. These mainly represent real-world "Lieux-dits"(Localities).

### Germany

- Missing National and Regional Parks are added based on the source Protected Planet. National and Regional Parks which were already present in the data are not yet reviewed and updated, this will be planned in 2020. The definition and scope of National or Regional Park is based on the attributes 'IUCN class' and 'Designation' in Protected Planet.

- House Number Ranges were updated for 36000 km of road geometry.
- More than 12000 km of new roads added across the country.
- Around 24962 LandUse are updated.

### **Great Britain**

- Approximately 6900 km of new roads have been added across the country.
- Around 3330 LandUse are updated.

### **Malaysia**

- Approximately 10000 km of roads have been added across the country.
- House Number Ranges were created or updated i.e. around 1584 kms of road elements.
- House numbers were updated for 1483 km of road geometry.
- Street Names were updated for 494 km of road geometry.
- Around 433 LandUse are updated.

### **Netherlands**

- Street Names were updated for 1897 km of road geometry.
- Approximately 1300 km of new roads have been added across the country.
- House Number Ranges were updated for 4600 km of road geometry.
- Around 1470 LandUse are updated.

### **Norway**

- House Number Ranges were updated for 11700 km of road geometry. Street Names were updated for 8000 km of road geometry.
- Around 1128 LandUse are updated.

### **Sweden**

- House Number Ranges were updated for 42479 km of road geometry.
- Street Names were updated for 2039 km of road geometry.
- Approximately 3200 km of new roads have been added across the country.
- Around 2757 LandUse are updated.



# 3 - Data Statistics

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## Overview

This section provides the feature counts and street length information for each country covered in this release.

## Denmark

### Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	1,358,697	1,713,838
nodes	Street junctions/nodes	1,169,828	1,479,099
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	56,520	105,415

### Streets Feature Count Table

Column	Value/Description	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	196,661	228,959
	2: Modelled Speed Limit	1,162,036	1,484,879
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	1,734	1,987

Column	Value/Description	Counts 2018.09.0	Counts 2019.09.0
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	187	251
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	2,169	2,968

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	0.9041	0.5505
C	Local connecting road, non-toll	9271.35	9323.2416
D	Local road , non-toll	24434.39	24469.5505
F	Local connecting road, toll	1.05204	1.5803
H	Ferry	3244.14	3251.1566
I	Major road, non-toll	170.3538	171.0608
L	Local (important) road, non-toll	1255.71	1258.8358
M	Motorway, non-toll	63.896	2592.6543
N	Motorway, toll	-	64.0719
P	Other major road, non-toll	22755.66	2384.661
R	Local (minor) road, non-toll	77518.74	91974.3748
S	Secondary road, non-toll	6131.68	6144.2492
U	Other road, non-toll	1.26239	0.1625

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
W	Local (important) road, toll	-	0.5172
Z	Pedestrian	27039.72	29084.8065

## Finland

### Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	2,997,946	3,523,389
nodes	Street junctions/nodes	2,712,369	3,144,893
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	28,781	45,217

### Streets Feature Count Table

Column	Value/Description	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	714,383	868,536
	2: Modelled Speed Limit	2,283,563	2,654,853

Column	Value/Description	Counts 2018.09.0	Counts 2019.09.0
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	3,840	4,690
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	235	330
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	3,475	4,023

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
C	Local connecting road, non-toll	49623.5	49795.8718
D	Local road , non-toll	27443.46	27512.683
H	Ferry	6239.25	6437.9027
I	Major road, non-toll	4027.27	4080.7899
L	Local (important) road, non-toll	4381.18	4399.4787
M	Motorway, non-toll	1803.67	1808.3274
P	Other major road, non-toll	9575.51	9580.1777
R	Local (minor) road, non-toll	335493.2	388438.453
S	Secondary road, non-toll	14273.52	14341.1292
Z	Pedestrian	102306.4	97674.222

# France

## Layers Count Table

Table	Description	Counts 2019.03.0	Counts 2019.09.0
streets	Street objects with navigational attributes	9,227,162	15,587,815
nodes	Street junctions/nodes	6,800,505	13,516,890
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	516,232	1,800,949

## Streets Feature Count Table

Column	Value/Description	Counts 2019.03.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	373,604	4,354,526
	2: Modelled Speed Limit	8,853,558	11,233,289
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	31,354	45,474
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	840	6,862
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	5,729	234,112

## Streets Length Table

Road Class	Description	Streets Length 2019.03.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	253.3	1419.251
C	Local connecting road, non-toll	233142.4	261725.7816
D	Local road , non-toll	740139.4	253666.8309
E	Local road, toll	-	2.7987
F	Local connecting road, toll	172.28	68.482
G	Major road, toll	2093.41	793.6336
H	Ferry	14405.89	15536.3938
I	Major road, non-toll	52186.63	31143.9062
L	Local (important) road, non-toll	34204.33	8214.4385
M	Motorway, non-toll	472.68	6943.2399
N	Motorway, toll	-	16834.168
P	Other major road, non-toll	44864.55	44471.8727
Q	Other major road, toll	-	542.7854
R	Local (minor) road, non-toll	562846	937704.2781
S	Secondary road, non-toll	89998	95853.9491
T	Secondary road, toll	208.18	211.7027
U	Other road, non-toll	2.32	0.3666

Road Class	Description	Streets Length 2019.03.0 (in km)	Streets Length 2019.09.0 (in km)
W	Local (important) road, toll	-	2.1646
Z	Pedestrian	6436.12	119957.3756

## Germany

### Layers Count Table

Table	Description	Counts 2019.03.0	Counts 2019.09.0
streets	Street object with navigational attributes	11,223,302	14,237,430
nodes	Street junctions/nodes	9,391,787	11,753,784
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	1,105,589	1,021,921

### Streets Feature Count Table

Column	Value/Description	Counts 2019.03.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	1,805,358	3,064,889
	2: Modelled Speed Limit	9,417,944	11,172,541



Column	Value/Description	Counts 2019.03.0	Counts 2019.09.0
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	24,947	30,624
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	1,977	3,112
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	134,070	228,608

## Streets Length Table

Road Class	Description	Streets Length 2019.03.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	141.78	129.9451
C	Local connecting road, non-toll	176531.7	166816.637
D	Local road , non-toll	59040.48	65256.9448
F	Local connecting road, toll	15.31	26.8938
G	Major road, toll	16.4	16.3962
H	Ferry	3212.92	3185.409
I	Major road, non-toll	47958.39	47910.263
L	Local (important) road, non-toll	5233.3	8600.5642
M	Motorway, non-toll	27573.89	27586.9874
P	Other major road, non-toll	23683.29	24274.0087
R	Local (minor) road, non-toll	895625.5	1233944.454

Road Class	Description	Streets Length 2019.03.0 (in km)	Streets Length 2019.09.0 (in km)
S	Secondary road, non-toll	67525.05	73882.9811
T	Secondary road, toll	23.04	23.2961
U	Other road, non-toll	27.68	28.085
Z	Pedestrian	116763.1	170159.6988

## Great Britain

### Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	6,374,045	6,833,169
nodes	Street junctions/nodes	5,184,889	5,998,173
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	389,450	1,067,733

### Streets Feature Count Table

Column	Value/Description	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	1,354,549	1,930,810

Column	Value/Description	Counts 2018.09.0	Counts 2019.09.0
	2: Modelled Speed Limit	5,019,496	4,902,359
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	20,530	22,169
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	6,878	8,315
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	53,576	388,429

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	22.2549	22.3092
C	Local connecting road, non-toll	34832.57	35302.8001
D	Local road , non-toll	68031.58	68129.0691
E	Local road, toll	2.3686	2.3729
F	Local connecting road, toll	4.81488	4.8258
G	Major road, toll	25.0714	23.4576
H	Ferry	11909.4	12105.9744
I	Major road, non-toll	9828.69	9066.3937
L	Local (important) road, non-toll	76202.77	76332.4175
M	Motorway, non-toll	7455.49	7487.9258

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
N	Motorway, toll	86.3714	69.2549
P	Other major road, non-toll	20639.05	20895.0905
Q	Other major road, toll	39.1744	39.298
R	Local (minor) road, non-toll	336848.8	373110.0649
S	Secondary road, non-toll	30663.11	31060.7128
T	Secondary road, toll	9.60191	9.3518
U	Other road, non-toll	8.05179	0.6678
W	Local (important) road, toll	2.98132	2.9579
Z	Pedestrian	63572.25	49417.3716

## Malaysia

### Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	1,785,246	1,849,036
nodes	Street junctions/nodes	1,408,416	1,447,135
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	284,718	523,324

## Streets Feature Count Table

Column	Value	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	559630.00	566680.00
	2: Modelled Speed Limit	1225616.00	1282356.00
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	0.00	0.00
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	0.00	0.00
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	0.00	0.00

**Note:** The “MAX\_HEIGHT, MAX\_WEIGHT, and MAX\_WIDTH” information for Malaysia is not available in the source datasets.

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	263.968	264.3602
C	Local connecting road, non-toll	9827.47	9775.045
D	Local road , non-toll	2899.91	2908.962
E	Local road, toll	5.9998	5.4504
F	Local connecting road, toll	123.332	122.8607

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2018.09.0 (in km)
G	Major road, toll	218.847	221.4202
H	Ferry	1655.94	1762.018
I	Major road, non-toll	13654.97	13529.98
L	Local (important) road, non-toll	5468.97	5494.717
M	Motorway, non-toll	836.477	834.3196
N	Motorway, toll	3173.01	3202.21
P	Other major road, non-toll	7180.36	7096.438
Q	Other major road, toll	63.5757	70.1495
R	Local (minor) road, non-toll	141375.3	153702.5
S	Secondary road, non-toll	5570.86	5551.425
T	Secondary road, toll	84.2401	84.0843
U	Other road, non-toll	22.2092	22.0757
W	Local (important) road, toll	50.4736	54.8528
Z	Pedestrian	0	319.2597

# Netherlands

## Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	1,785,246	2,170,251
nodes	Street junctions/nodes	1,408,416	1,683,869
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	284,718	305,263

## Streets Feature Count Table

Column	Value	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	559630.00	1114170.00
	2: Modelled Speed Limit	1225616.00	1056081.00
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	0.00	0.00
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	0.00	0.00
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	0.00	0.00

**Note:** The “MAX\_HEIGHT, MAX\_WEIGHT, and MAX\_WIDTH” information for Netherland is not available in the source datasets.

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
C	Local connecting road, non-toll	9827.47	19872.08
D	Local road , non-toll	2899.91	43837.55
E	Local road, toll	5.9998	0.0388
H	Ferry	1655.94	703.7802
I	Major road, non-toll	13654.97	621.4965
L	Local (important) road, non-toll	5468.97	4872.152
M	Motorway, non-toll	836.477	5484.31
P	Other major road, non-toll	7180.36	4847.427
Q	Other major road, toll	63.5757	30.0343
R	Local (minor) road, non-toll	141375.3	87557.96
S	Secondary road, non-toll	5570.86	8736.809
T	Secondary road, toll	84.2401	7.0176
U	Other road, non-toll	22.2092	21.1215
Z	Pedestrian	0	34180.86



# Norway

## Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	1,684,707	2,127,394
nodes	Street junctions/nodes	1,740,638	1,944,935
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	47,645	129,420

## Streets Feature Count Table

Column	Value	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	558117.00	603817.00
	2: Modelled Speed Limit	1126590.00	1523577.00
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	7293.00	16629.00
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	520.00	1268.00
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	4571	1745621

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	632.705	718.0661
C	Local connecting road, non-toll	24500.34	24662.11
D	Local road , non-toll	6317.97	6338.096
E	Local road, toll	102.576	102.8744
F	Local connecting road, toll	98.2507	100.9239
G	Major road, toll	141.592	149.9032
H	Ferry	5476.31	5524.775
I	Major road, non-toll	5706.39	5748.225
L	Local (important) road, non-toll	346.991	351.8369
M	Motorway, non-toll	764.068	811.2359
N	Motorway, toll	239.111	239.0424
P	Other major road, non-toll	9960.68	10005.5
Q	Other major road, toll	90.7349	90.2639
R	Local (minor) road, non-toll	148571.1	170397.8
S	Secondary road, non-toll	10252.35	10306.14
T	Secondary road, toll	73.8685	75.3552
U	Other road, non-toll	1.20037	0.0612

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
W	Local (important) road, toll	26.7162	26.7964
Z	Pedestrian	38838.51	27913.84

## Sweden

### Layers Count Table

Table	Description	Counts 2018.09.0	Counts 2019.09.0
streets	Street object with navigational attributes	3,246,498	3,580,030
nodes	Street junctions/nodes	2,813,220	3,075,455
restrictions	Traffic restrictions and restrictions associated with Logistics (Vehicle Height, Weight and Width)	171,549	383,197

### Streets Feature Count Table

Column	Value	Counts 2018.09.0	Counts 2019.09.0
SPEED_VERIFIED	1: SignPost Speed Limit	1497805.00	1497805.00
	2: Modelled Speed Limit	1748693.00	1748693.00

Column	Value	Counts 2018.09.0	Counts 2019.09.0
MAX_HEIGHT	Street objects with restrictions on Maximum Vehicle Height	1753.00	3556.00
MAX_WIDTH	Street objects with restrictions on Maximum Vehicle Width	610.00	1431.00
MAX_WEIGHT	Street objects with restrictions on Maximum Vehicle Weight	738	1146346

## Streets Length Table

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
A	Local (minor) road, toll	2.58268	2.5889
C	Local connecting road, non-toll	41709.94	41950.71
D	Local road , non-toll	41816.05	41818.76
F	Local connecting road, toll	0.55981	0.5622
G	Major road, toll	2.15617	2.217
H	Ferry	4263.88	4368.574
I	Major road, non-toll	4542.78	4581.658
L	Local (important) road, non-toll	2600.11	2611.114
M	Motorway, non-toll	4406.32	4417.074
N	Motorway, toll	30.2755	30.626
P	Other major road, non-toll	13363.7	13472.36

Road Class	Description	Streets Length 2018.09.0 (in km)	Streets Length 2019.09.0 (in km)
Q	Other major road, toll	5.53083	5.5205
R	Local (minor) road, non-toll	413909.2	490132.9
S	Secondary road, non-toll	13712.36	13752.33
T	Secondary road, toll	1.23335	1.2362
Z	Pedestrian	105261.7	44411

# 4 - Known Issues

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Known Issue

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## Known Issue

There are no known issues recorded in the data for the current release.

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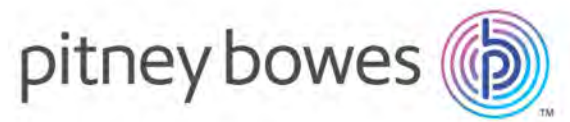
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