MACH9

Conflation Report

Distance-Based Comparison
(File 2 = Known Dataset)

Report Generated: 2025-02-24 14:00:55

Duplicate Removal Information:
File 1 (Extraction): Original = 1866, Removed = 248, Unique = 1618
File 2 (Known): Original = 1338, Removed = 150, Unique = 1188

Buffer Distance: 5 meters
Report Generated: 2025-02-24 14:00:53

-- Matching Metrics --
File 1 total: 1618
File 2 total: 1188
Matched signs: 840
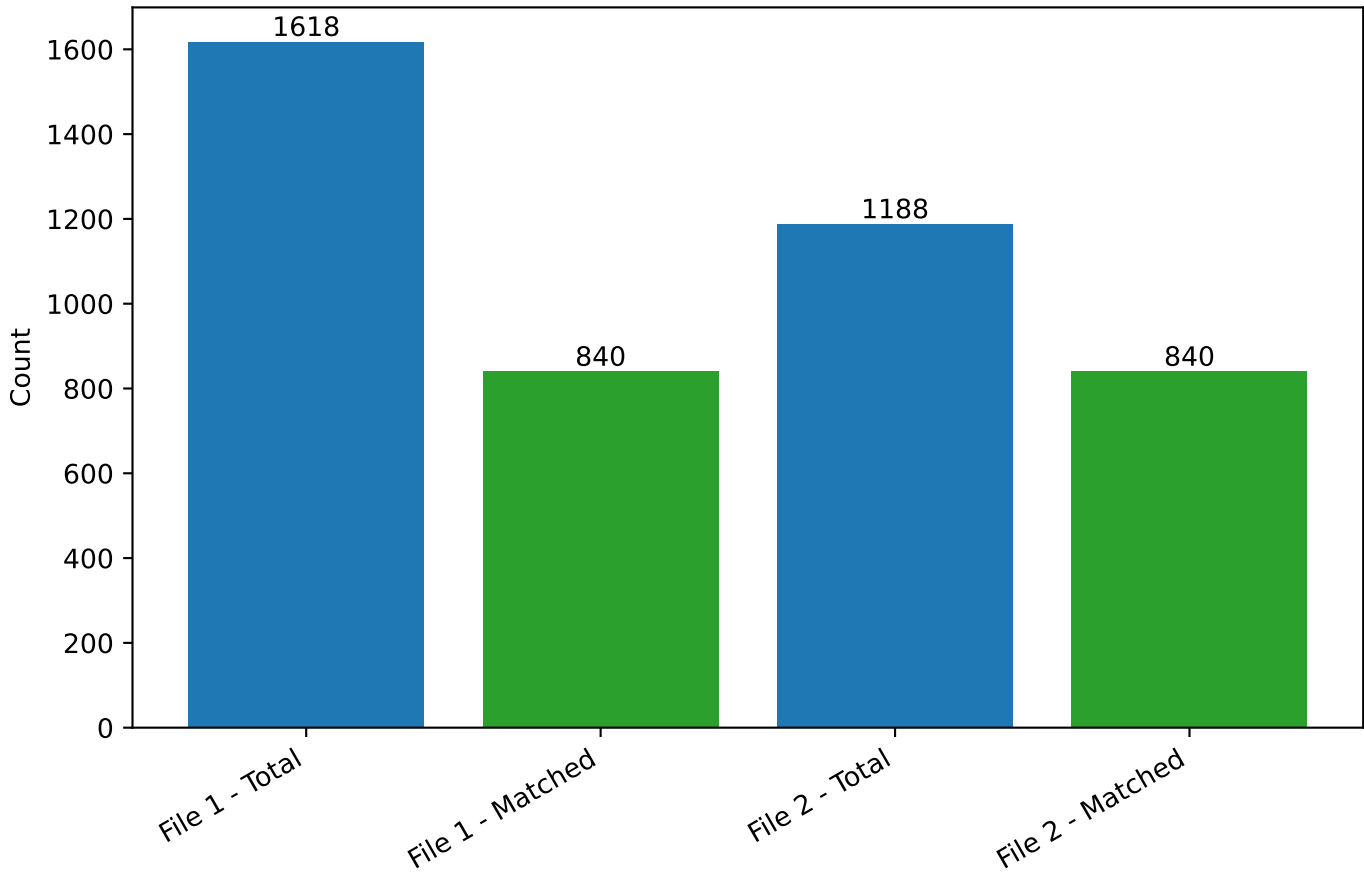
Unmatched in File 1: 778
Unmatched in File 2: 348

File 1 matched (%): 51.92%
File 2 matched (%): 70.71%

Avg match distance: 0.94 m
Min/Max match distance: 0.01 / 4.95 m

-- Bounding Box Metrics --
File 1: Diagonal ≈ 37072.66 m, Area ≈ 685394754.61 m²
File 2: Diagonal ≈ 36959.41 m, Area ≈ 681399133.37 m²

Map of Road Signs (Buffer: 5 m)
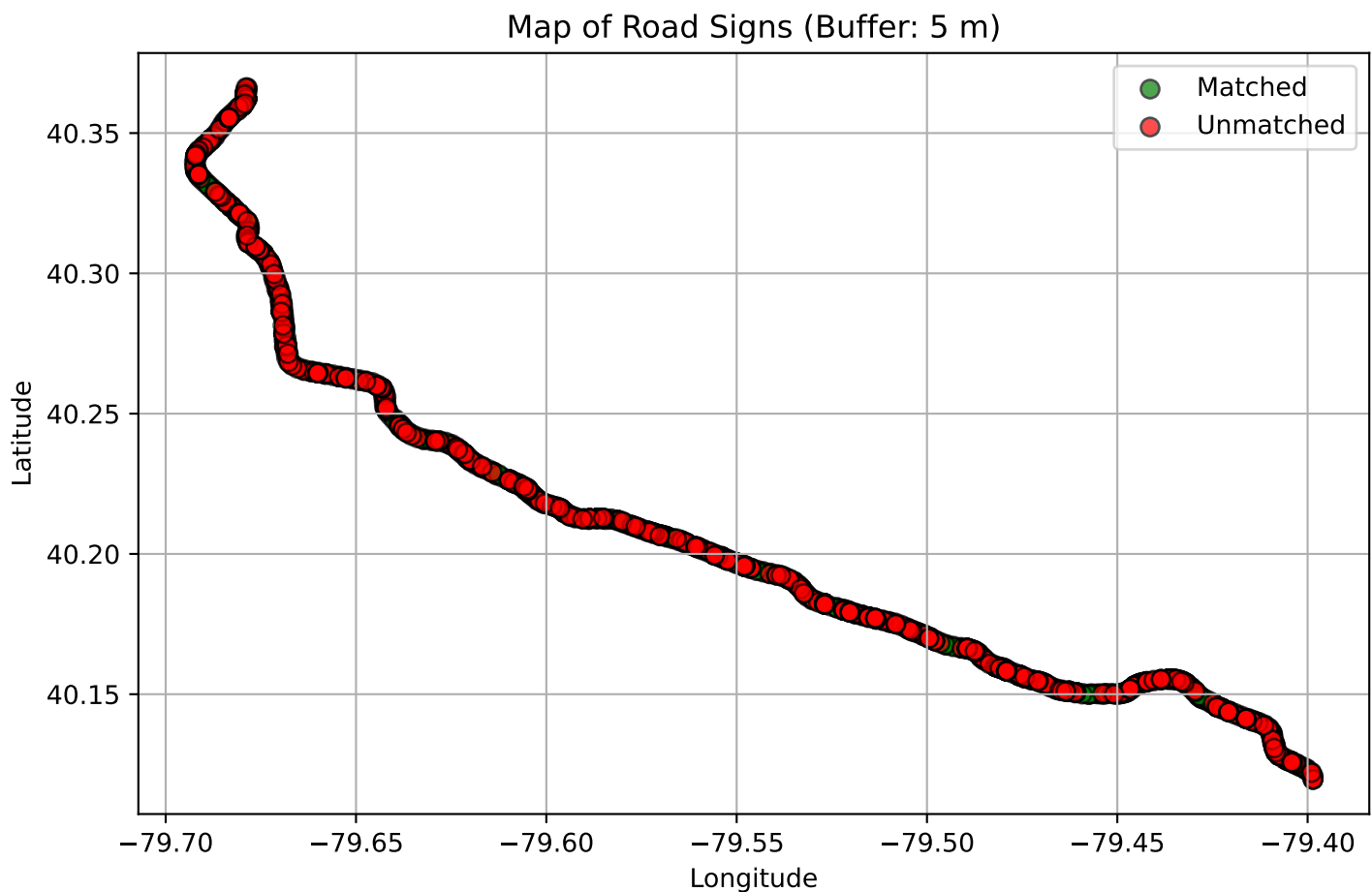
Sign Counts by Dataset

| Index	MUTCD	Matched Count	Known Count	Percent Matching
1	D10-1	395	0	0.0%
2	W1-8L	53	0	0.0%
3	W1-8R	50	0	0.0%
4	D3-1	31	0	0.0%
5	D1-1	20	0	0.0%
6	R2-1	18	0	0.0%
7	OM3	14	0	0.0%
8	R8-3	12	0	0.0%
9	M1-4	10	0	0.0%
10	W1-8	9	0	0.0%
11	R3-10	9	0	0.0%
12	R3-10a	9	0	0.0%
13	E1-5P	8	0	0.0%
14	D12-3	8	0	0.0%
15	W13-1P	8	0	0.0%
16	W1-2	8	0	0.0%
17	D10-2	8	0	0.0%
18	M1-5	7	0	0.0%
19	D5-1	7	0	0.0%
20	M1-1	5	0	0.0%

Top 10 Matched MUTCD Counts
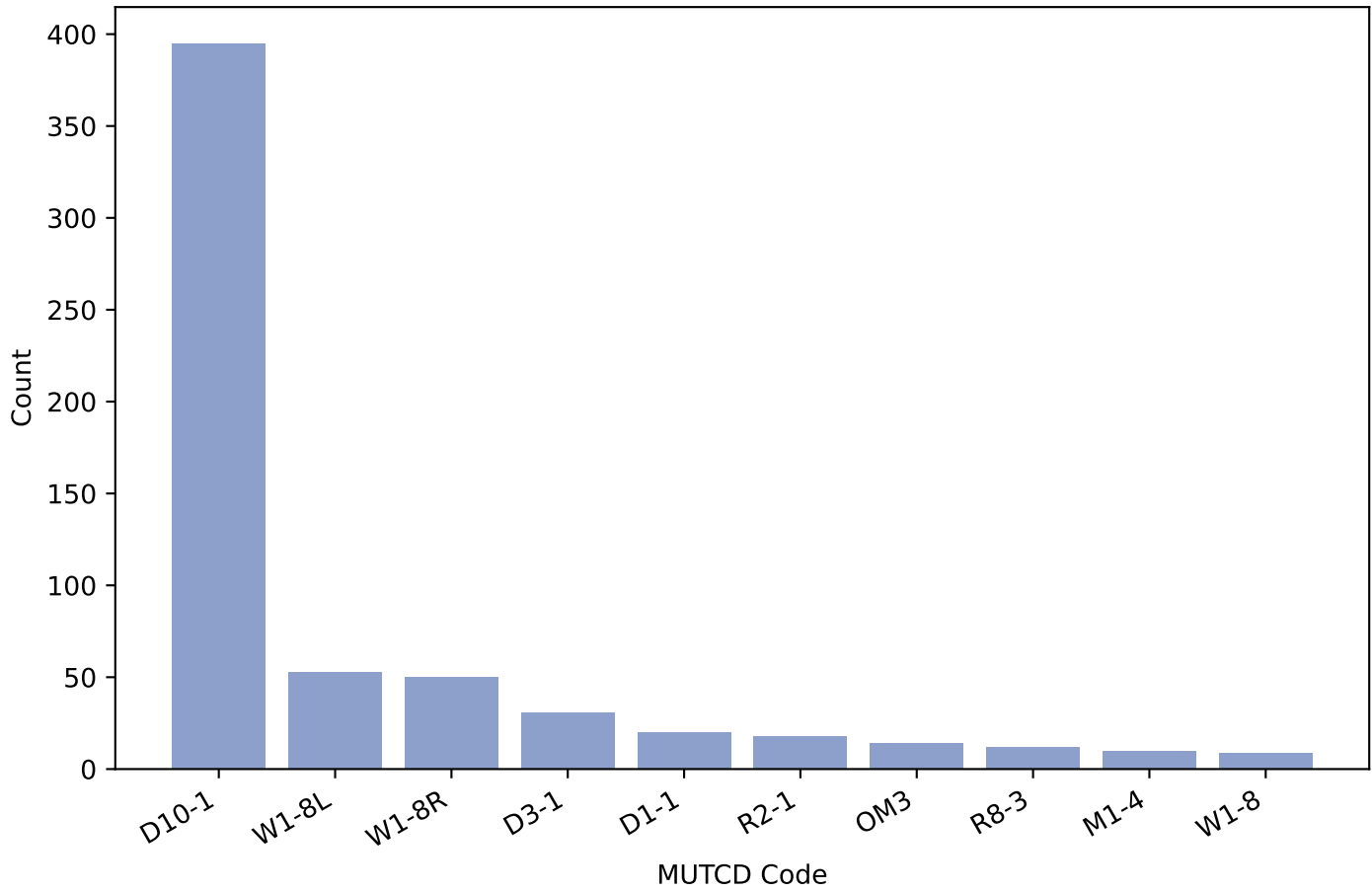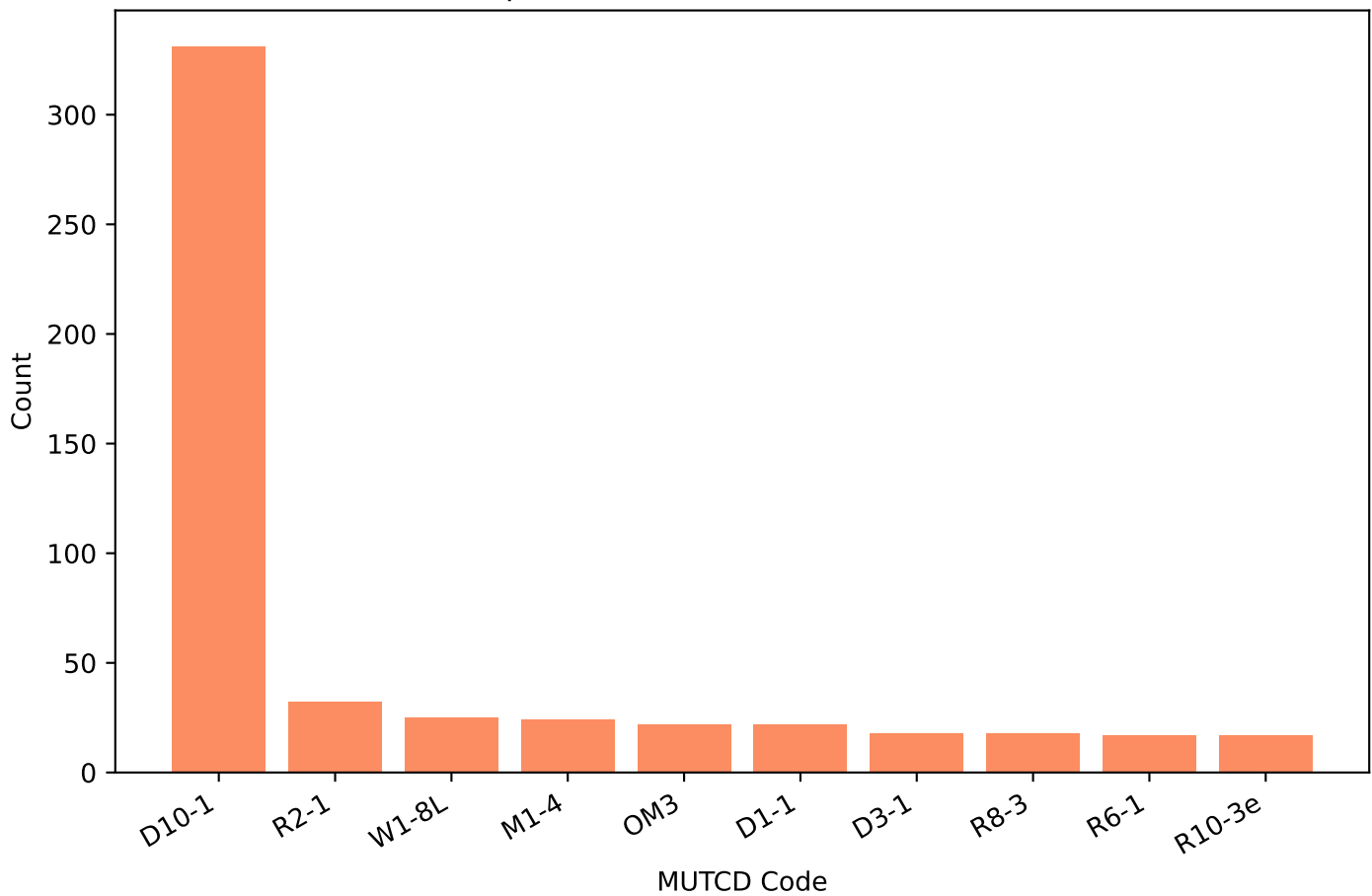
Top 10 Unmatched MUTCD Counts

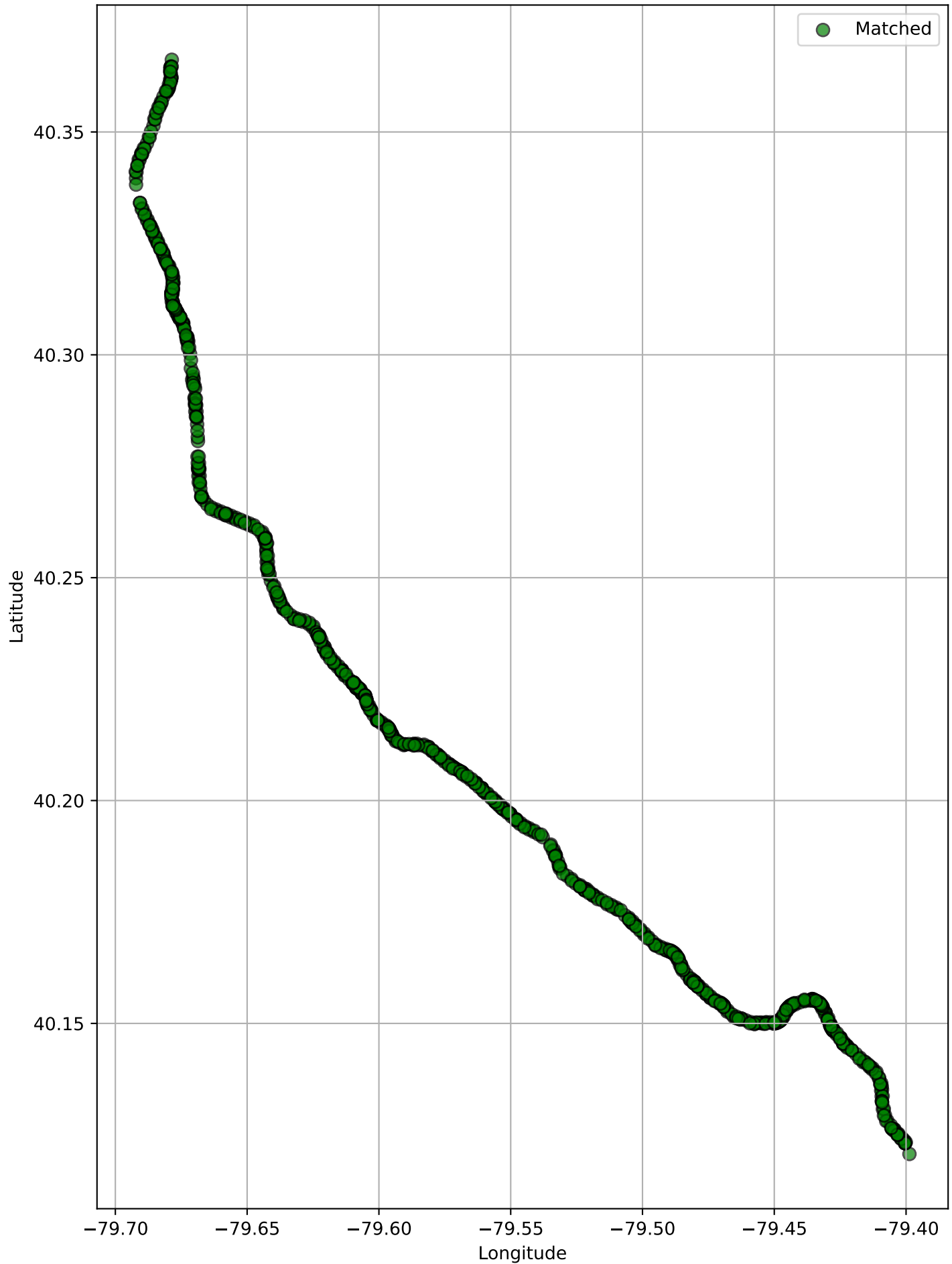Duplicate Sign Report (After Duplicate Removal):

File 1: Original = 1866, Removed = 248, Unique = 1618
File 2: Original = 1338, Removed = 150, Unique = 1188
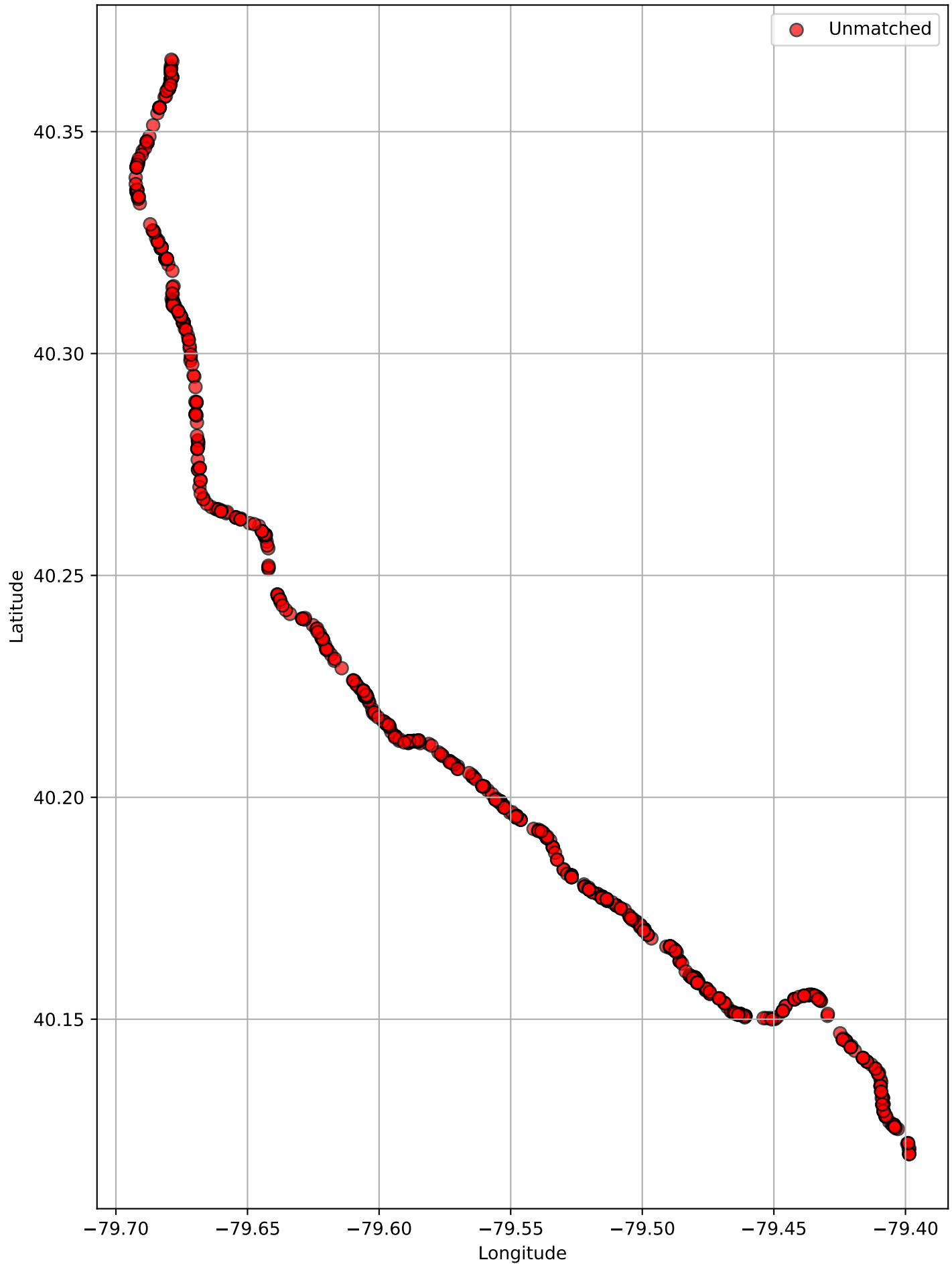
Distribution of Match Distances
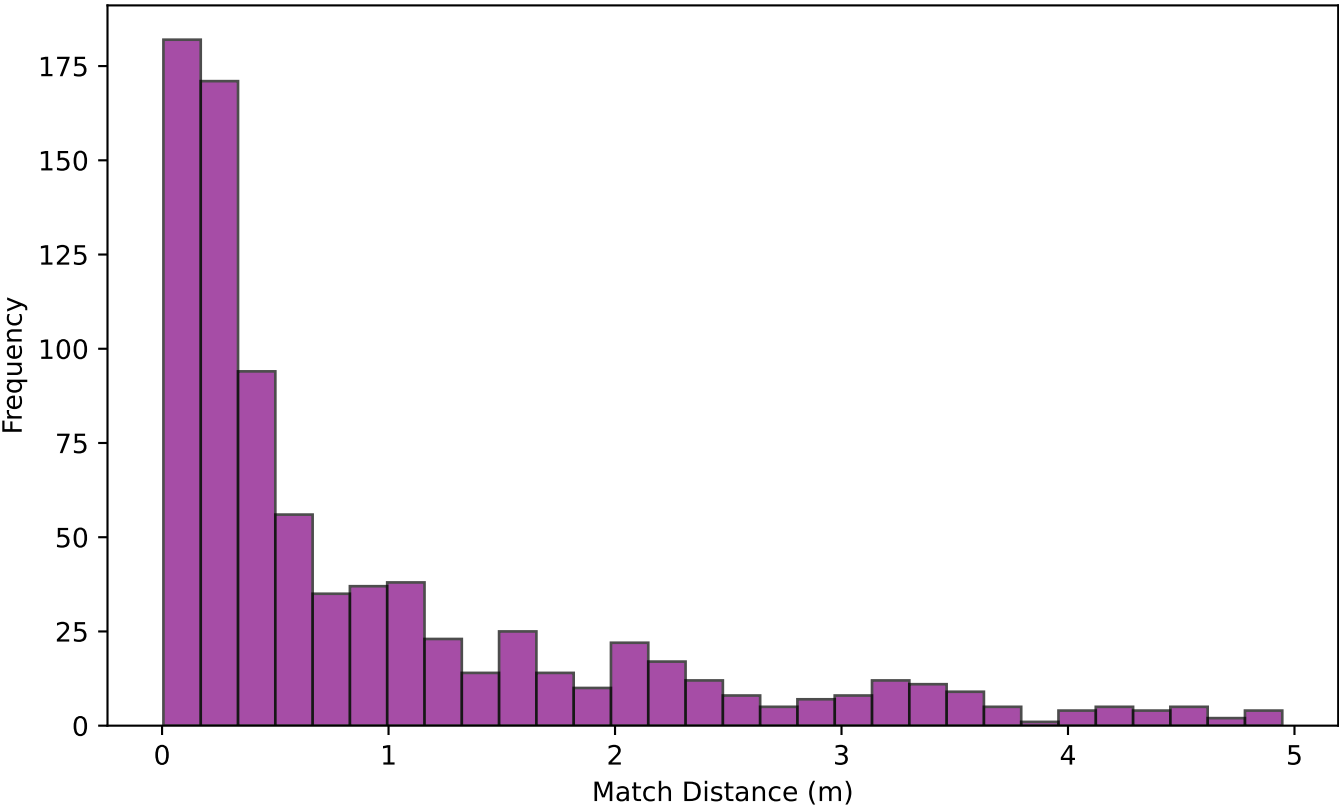
Summary Statistics:
Mean: 0.94 m
Median: 0.44 m
Std Dev: 1.08 m
Min: 0.01 m
Max: 4.95 m

Map of Matched Signs (Buffer: 5 m)

Map of Unmatched Signs (Buffer: 5 m)

Top 10 Matched Codes (Buffer: 5 m)

D10-1
F1: 726, F2: 0
Matched%: 0.0%

W1-8L
F1: 78, F2: 0
Matched%: 0.0%

W1-8R
F1: 64, F2: 0
Matched%: 0.0%

D3-1
F1: 49, F2: 0
Matched%: 0.0%

D1-1
F1: 42, F2: 0
Matched%: 0.0%

R2-1
F1: 50, F2: 0
Matched%: 0.0%

OM3
F1: 36, F2: 0
Matched%: 0.0%

R8-3
F1: 30, F2: 0
Matched%: 0.0%

M1-4
F1: 34, F2: 0
Matched%: 0.0%

No image for
W1-8
F1: 9, F2: 0
Matched%: 0.0%

Top 10 Unmatched Codes (Buffer: 5 m)

D10-1
F1: 726, F2: 0
Matched%: 0.0%

R2-1
F1: 50, F2: 0
Matched%: 0.0%

W1-8L
F1: 78, F2: 0
Matched%: 0.0%

M1-4
F1: 34, F2: 0
Matched%: 0.0%

OM3
F1: 36, F2: 0
Matched%: 0.0%

D1-1
F1: 42, F2: 0
Matched%: 0.0%

D3-1
F1: 49, F2: 0
Matched%: 0.0%

R8-3
F1: 30, F2: 0
Matched%: 0.0%

R10-3e
F1: 19, F2: 0
Matched%: 0.0%

No image for
R6-1
F1: 18, F2: 0
Matched%: 0.0%

Buffer Distance: 10 meters
Report Generated: 2025-02-24 14:00:54

-- Matching Metrics --
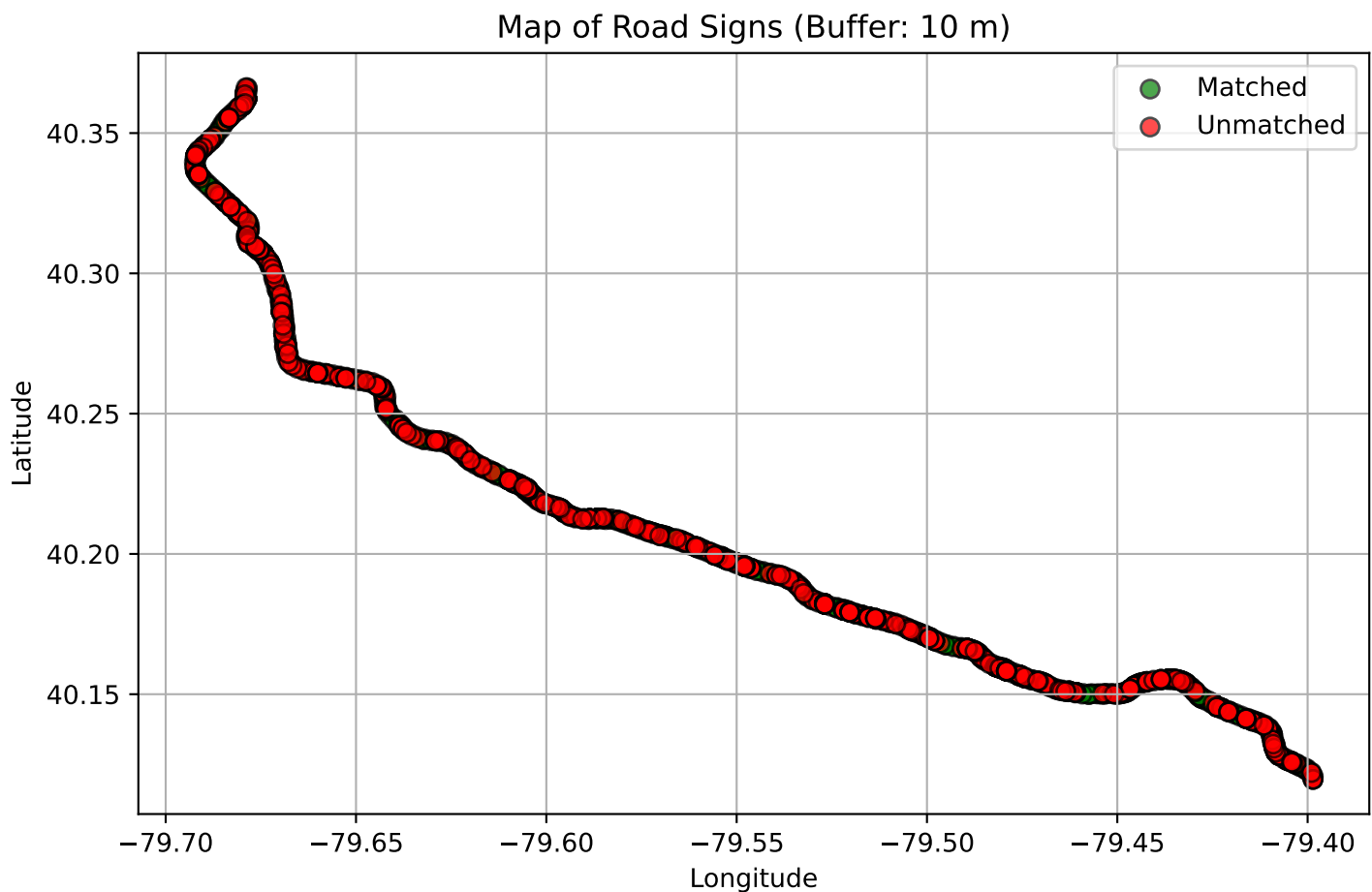File 1 total: 1618
File 2 total: 1188
Matched signs: 861

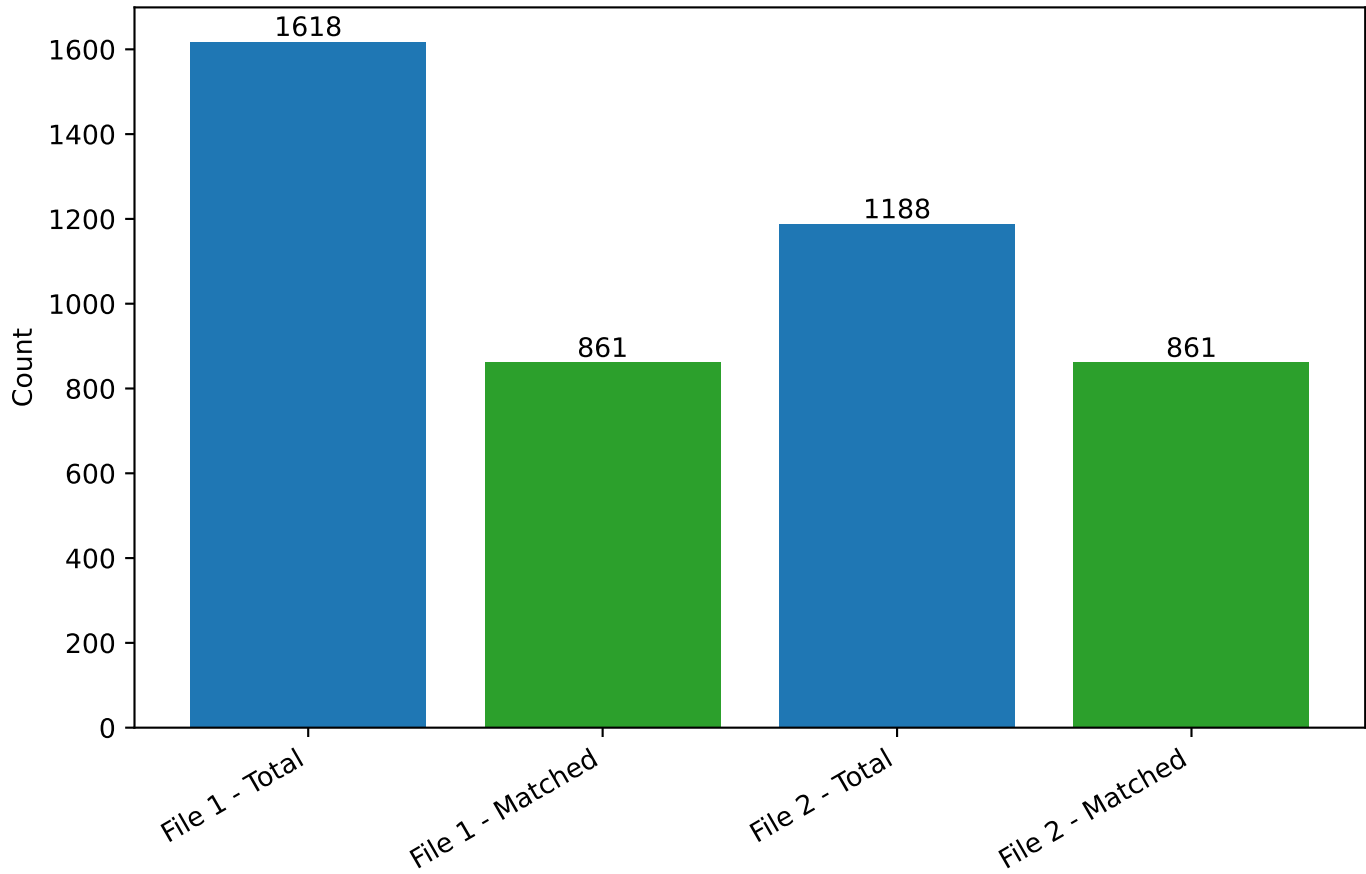Unmatched in File 1: 757
Unmatched in File 2: 327

File 1 matched (%): 53.21%
File 2 matched (%): 72.47%

Avg match distance: 1.38 m
Min/Max match distance: 0.01 / 9.94 m

-- Bounding Box Metrics --
File 1: Diagonal ≈ 37072.66 m, Area ≈ 685394754.61 m²
File 2: Diagonal ≈ 36959.41 m, Area ≈ 681399133.37 m²

Map of Road Signs (Buffer: 10 m)

Sign Counts by Dataset

Index	MUTCD	Matched Count	Known Count	Percent Matching
1	D10-1	405	0	0.0%
2	W1-8L	52	0	0.0%
3	W1-8R	50	0	0.0%
4	D3-1	27	0	0.0%
5	R2-1	20	0	0.0%
6	D1-1	19	0	0.0%
7	OM3	16	0	0.0%
8	M1-4	13	0	0.0%
9	R8-3	12	0	0.0%
10	R3-10a	9	0	0.0%
11	R3-10	9	0	0.0%
12	W1-8	9	0	0.0%
13	W1-2	9	0	0.0%
14	D12-3	8	0	0.0%
15	D10-2	8	0	0.0%
16	W13-1P	8	0	0.0%
17	D5-1	8	0	0.0%
18	M1-5	8	0	0.0%
19	E1-5P	7	0	0.0%
20	M1-1	6	0	0.0%
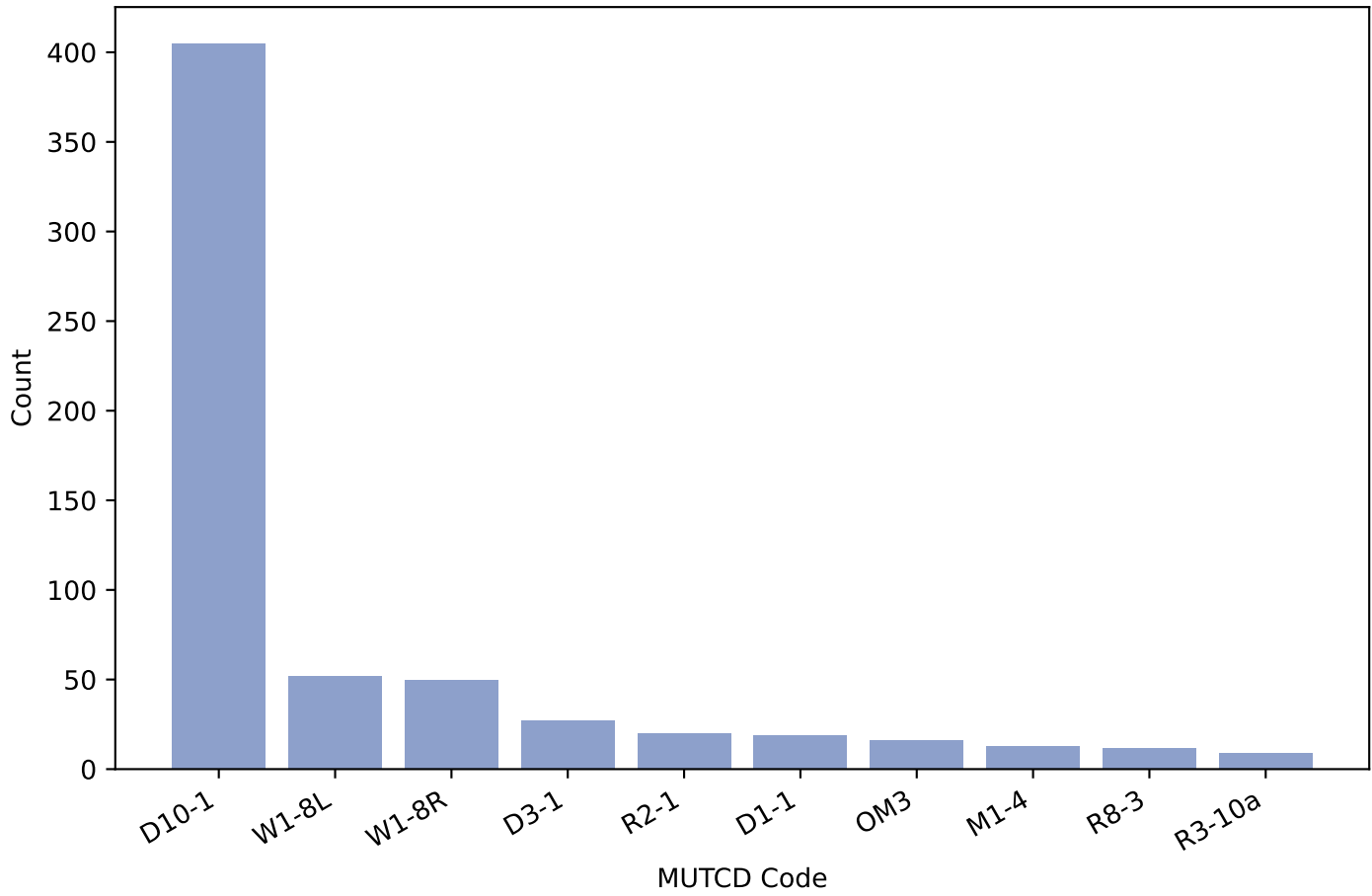
Top 10 Matched MUTCD Counts

Top 10 Unmatched MUTCD Counts
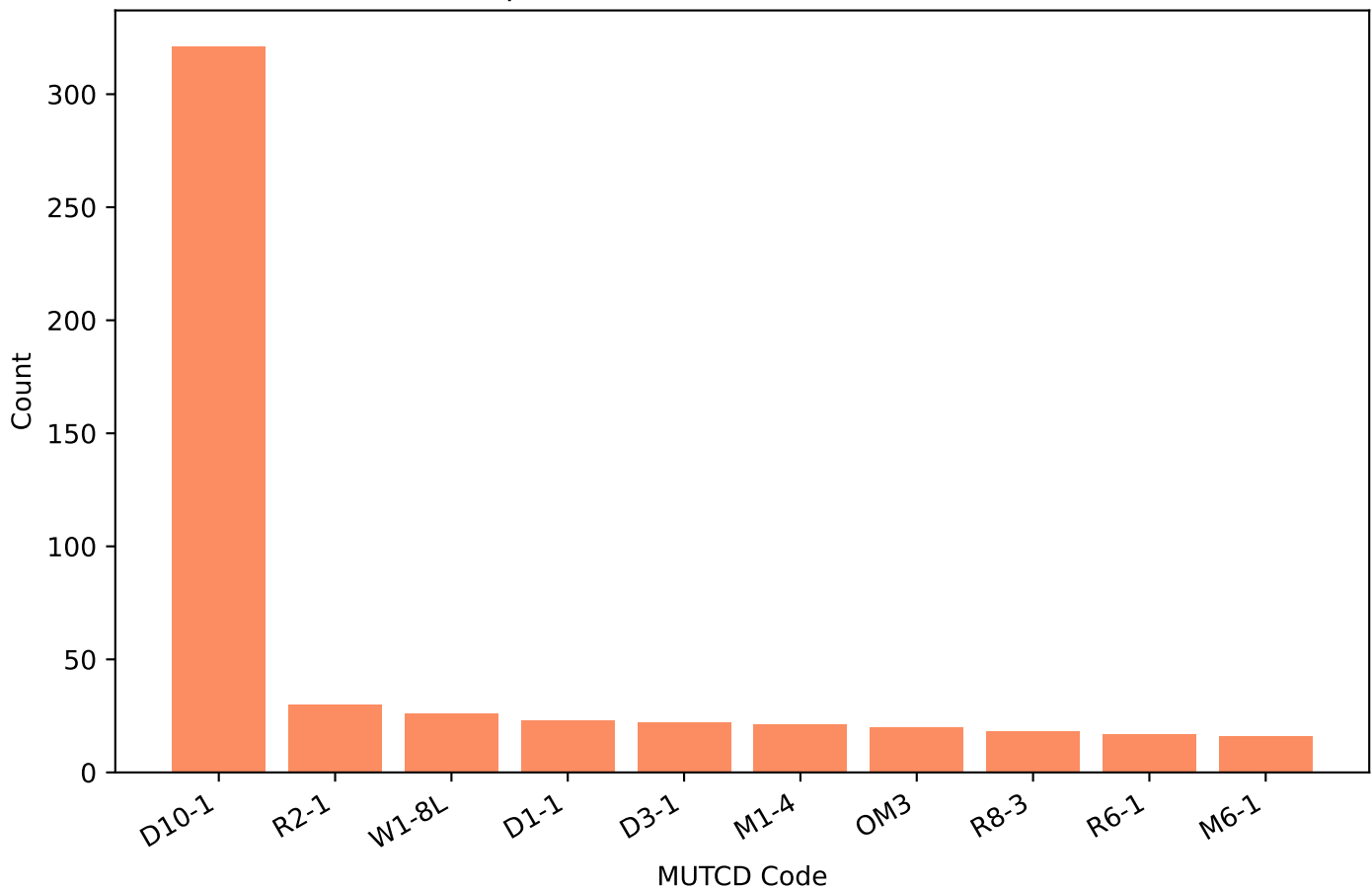
Duplicate Sign Report (After Duplicate Removal):

File 1: Original = 1866, Removed = 248, Unique = 1618
File 2: Original = 1338, Removed = 150, Unique = 1188

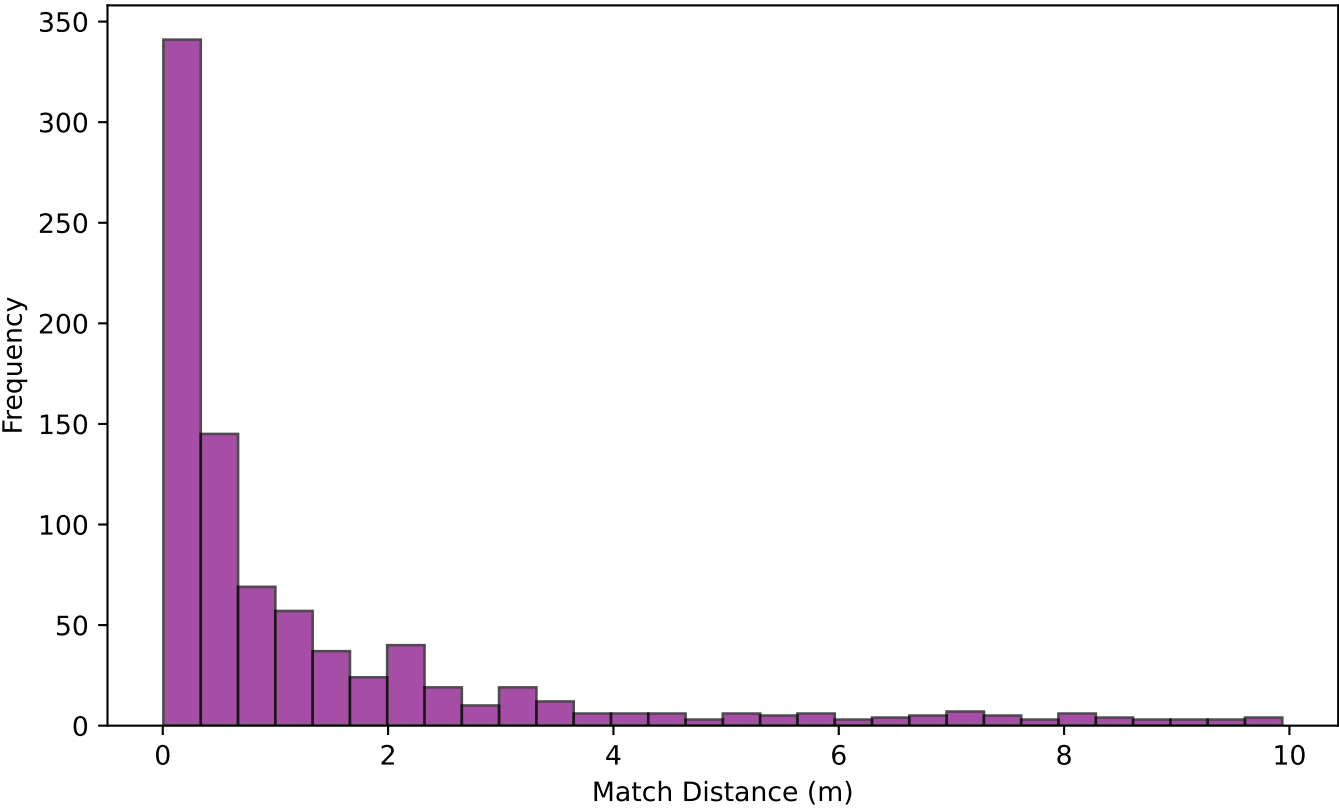# Distribution of Match Distances

Summary Statistics:
Mean: 1.38 m
Median: 0.50 m
Std Dev: 2.00 m
Min: 0.01 m
Max: 9.94 m

Map of Matched Signs (Buffer: 10 m)
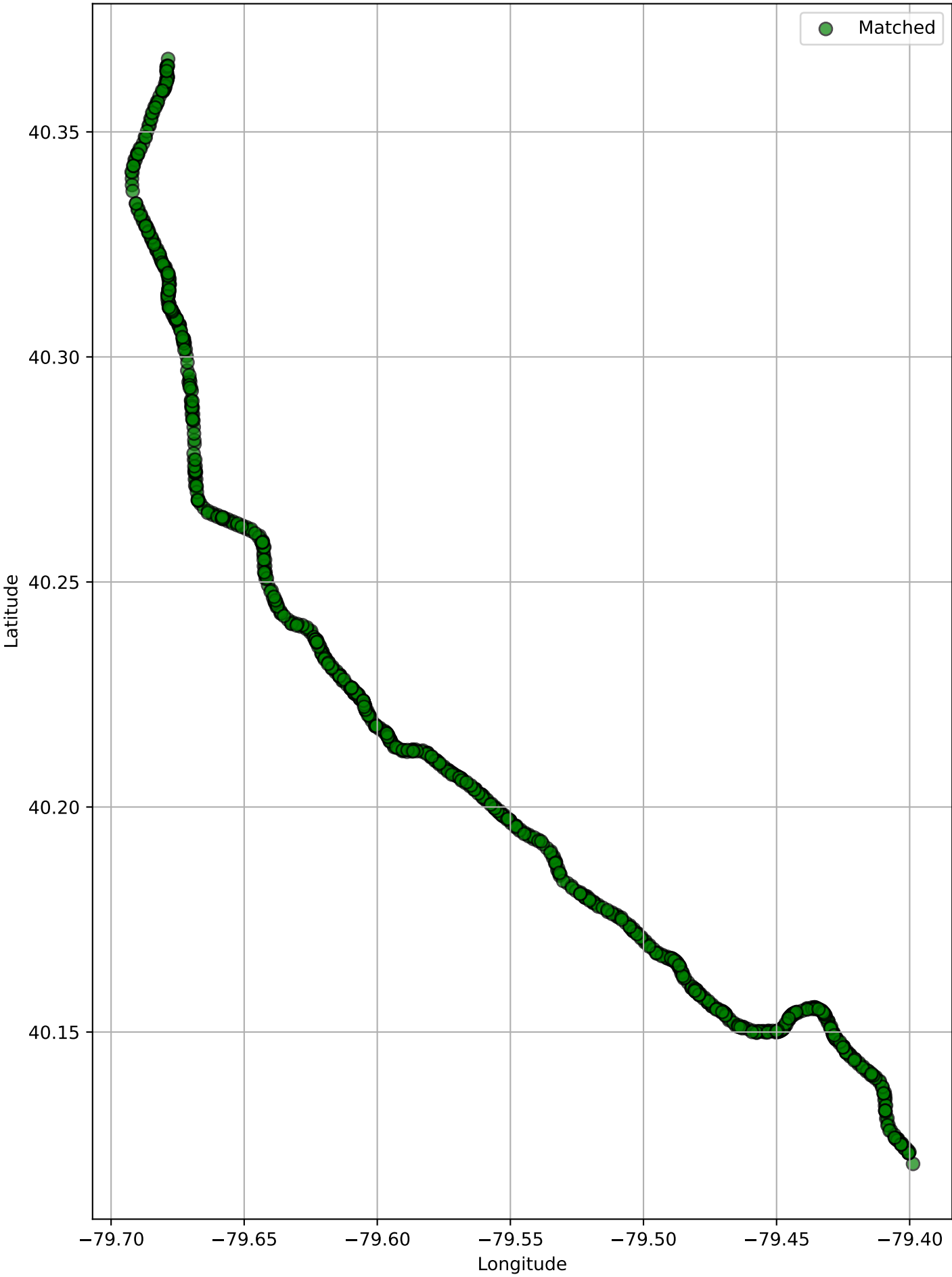
Map of Unmatched Signs (Buffer: 10 m)
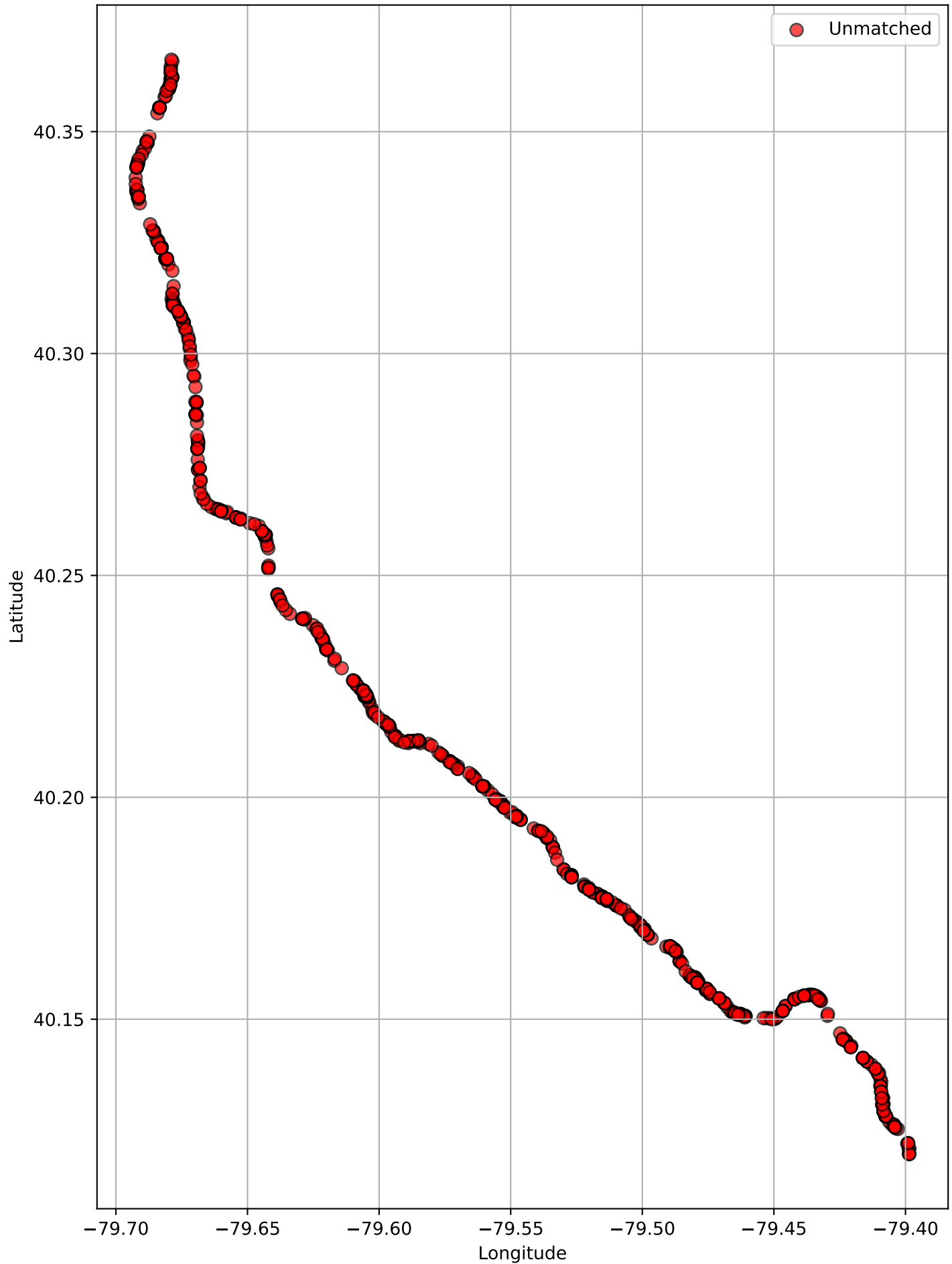
Top 10 Matched Codes (Buffer: 10 m)

D10-1
F1: 726, F2: 0
Matched%: 0.0%

W1-8L
F1: 78, F2: 0
Matched%: 0.0%

W1-8R
F1: 64, F2: 0
Matched%: 0.0%

D3-1
F1: 49, F2: 0
Matched%: 0.0%

R2-1
F1: 50, F2: 0
Matched%: 0.0%

D1-1
F1: 42, F2: 0
Matched%: 0.0%

OM3
F1: 36, F2: 0
Matched%: 0.0%

M1-4
F1: 34, F2: 0
Matched%: 0.0%

R8-3
F1: 30, F2: 0
Matched%: 0.0%

R3-10a
F1: 12, F2: 0
Matched%: 0.0%
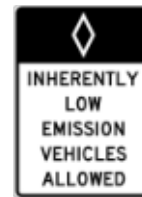
Top 10 Unmatched Codes (Buffer: 10 m)

D10-1
F1: 726, F2: 0
Matched%: 0.0%

R2-1
F1: 50, F2: 0
Matched%: 0.0%

W1-8L
F1: 78, F2: 0
Matched%: 0.0%

D1-1
F1: 42, F2: 0
Matched%: 0.0%

D3-1
F1: 49, F2: 0
Matched%: 0.0%

M1-4
F1: 34, F2: 0
Matched%: 0.0%

OM3
F1: 36, F2: 0
Matched%: 0.0%

R8-3
F1: 30, F2: 0
Matched%: 0.0%

No image for
R6-1
F1: 18, F2: 0
Matched%: 0.0%

No image for
M6-1
F1: 21, F2: 0
Matched%: 0.0%

Buffer Distance: 12 meters
Report Generated: 2025-02-24 14:00:55

-- Matching Metrics --
File 1 total: 1618
File 2 total: 1188
Matched signs: 873

Unmatched in File 1: 745
Unmatched in File 2: 315

File 1 matched (%): 53.96%
File 2 matched (%): 73.48%

Avg match distance: 1.62 m
Min/Max match distance: 0.01 / 11.93 m

-- Bounding Box Metrics --
File 1: Diagonal ≈ 37072.66 m, Area ≈ 685394754.61 m²
File 2: Diagonal ≈ 36959.41 m, Area ≈ 681399133.37 m²

Map of Road Signs (Buffer: 12 m)
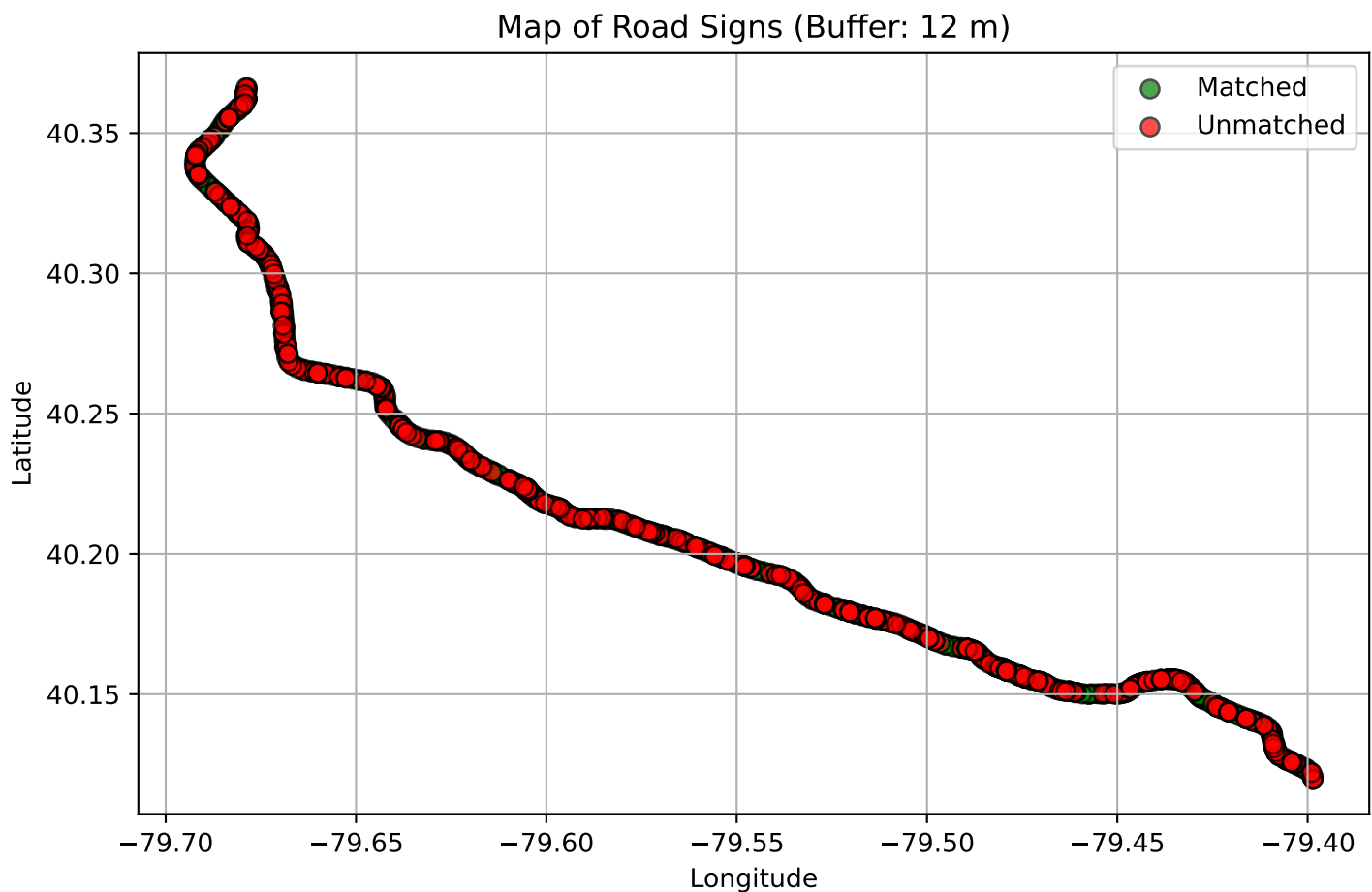
Sign Counts by Dataset
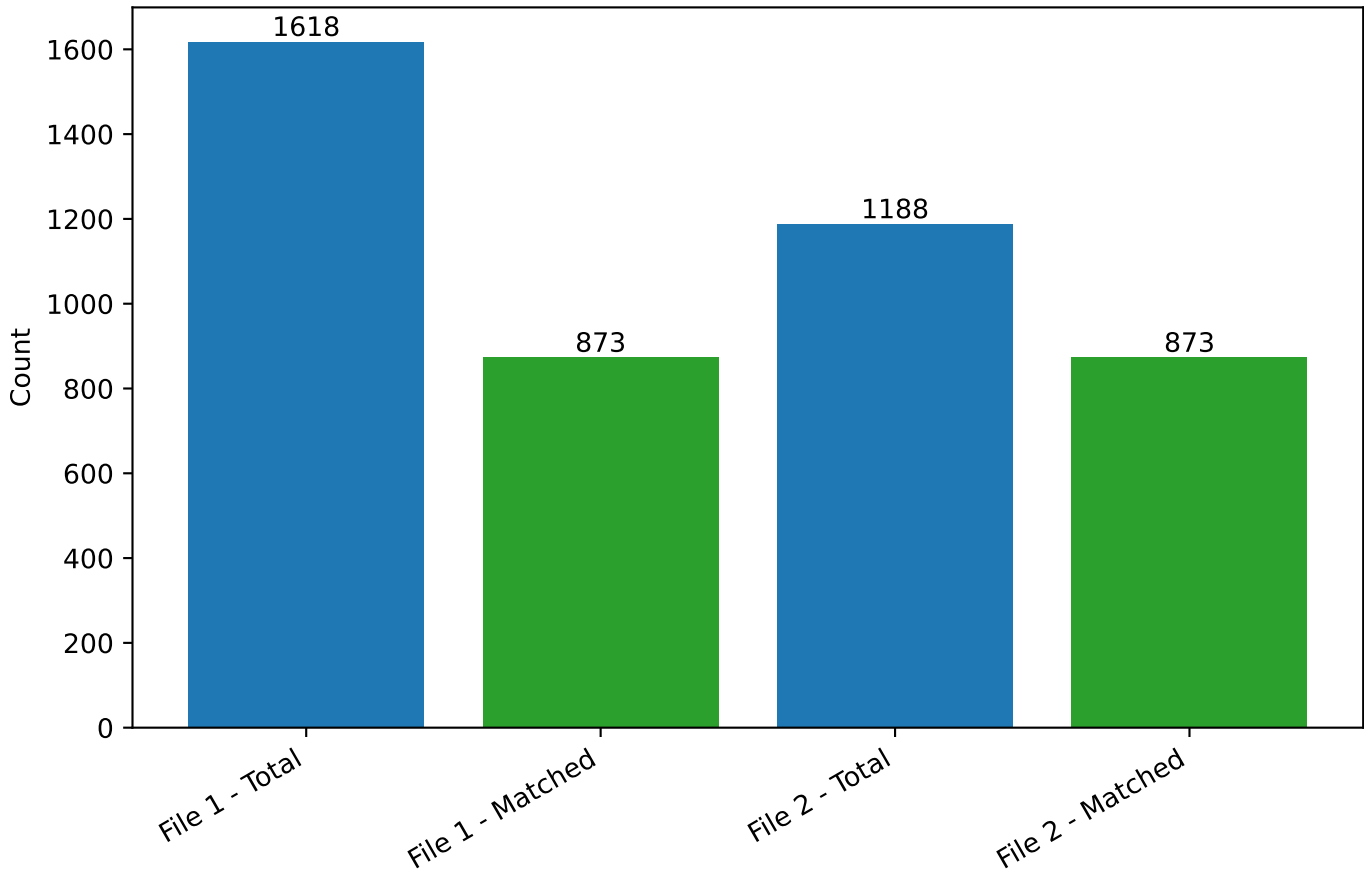
Index	MUTCD	Matched Count	Known Count	Percent Matching
1	D10-1	410	0	0.0%
2	W1-8L	52	0	0.0%
3	W1-8R	50	0	0.0%
4	D3-1	27	0	0.0%
5	R2-1	20	0	0.0%
6	D1-1	18	0	0.0%
7	OM3	17	0	0.0%
8	M1-4	13	0	0.0%
9	R8-3	12	0	0.0%
10	W1-2	9	0	0.0%
11	W1-8	9	0	0.0%
12	R3-10	9	0	0.0%
13	R3-10a	9	0	0.0%
14	W13-1P	9	0	0.0%
15	D5-1	8	0	0.0%
16	D10-2	8	0	0.0%
17	D12-3	8	0	0.0%
18	M1-5	8	0	0.0%
19	E1-5P	7	0	0.0%
20	M1-1	6	0	0.0%
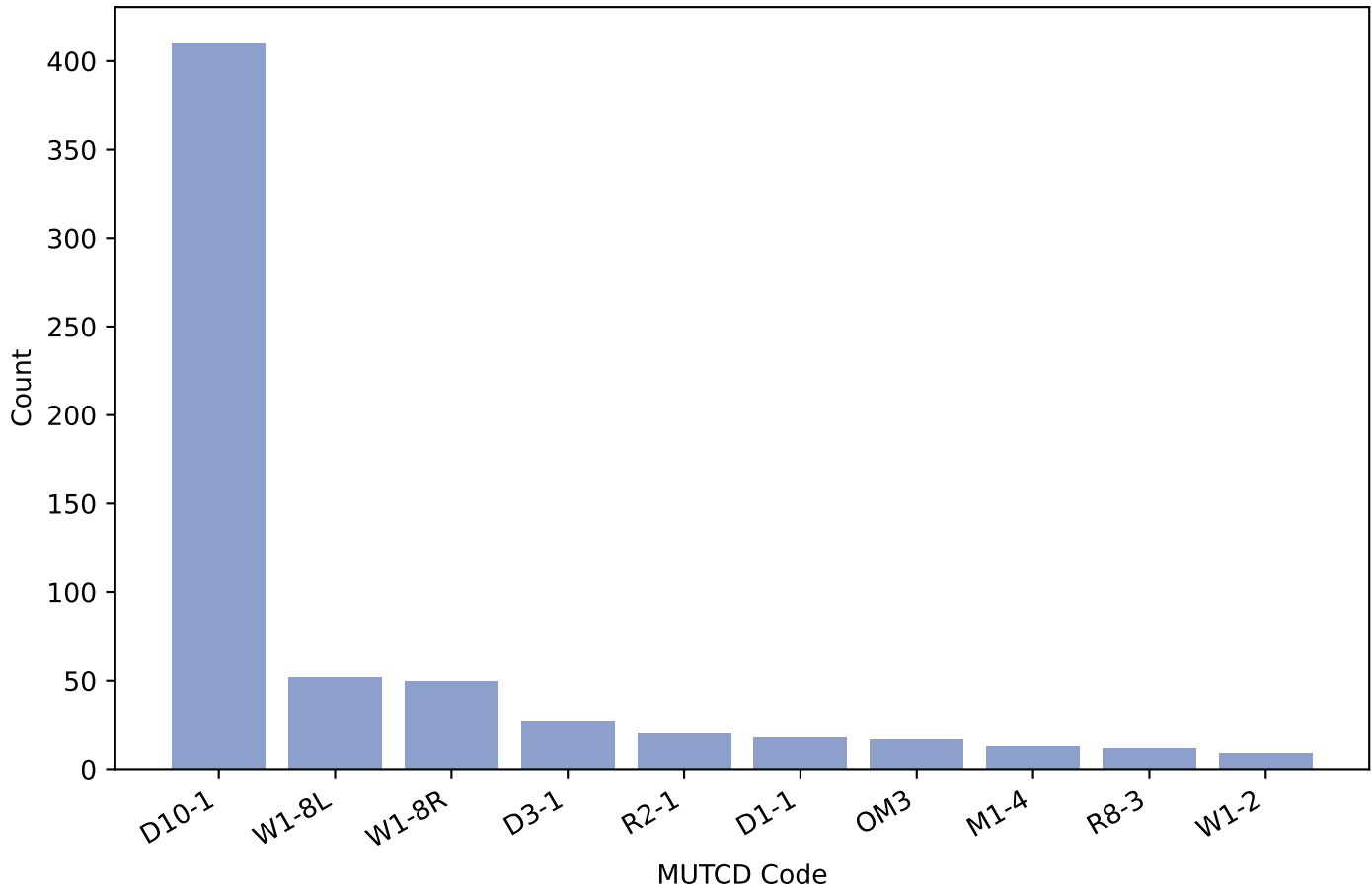
Top 10 Matched MUTCD Counts

Top 10 Unmatched MUTCD Counts
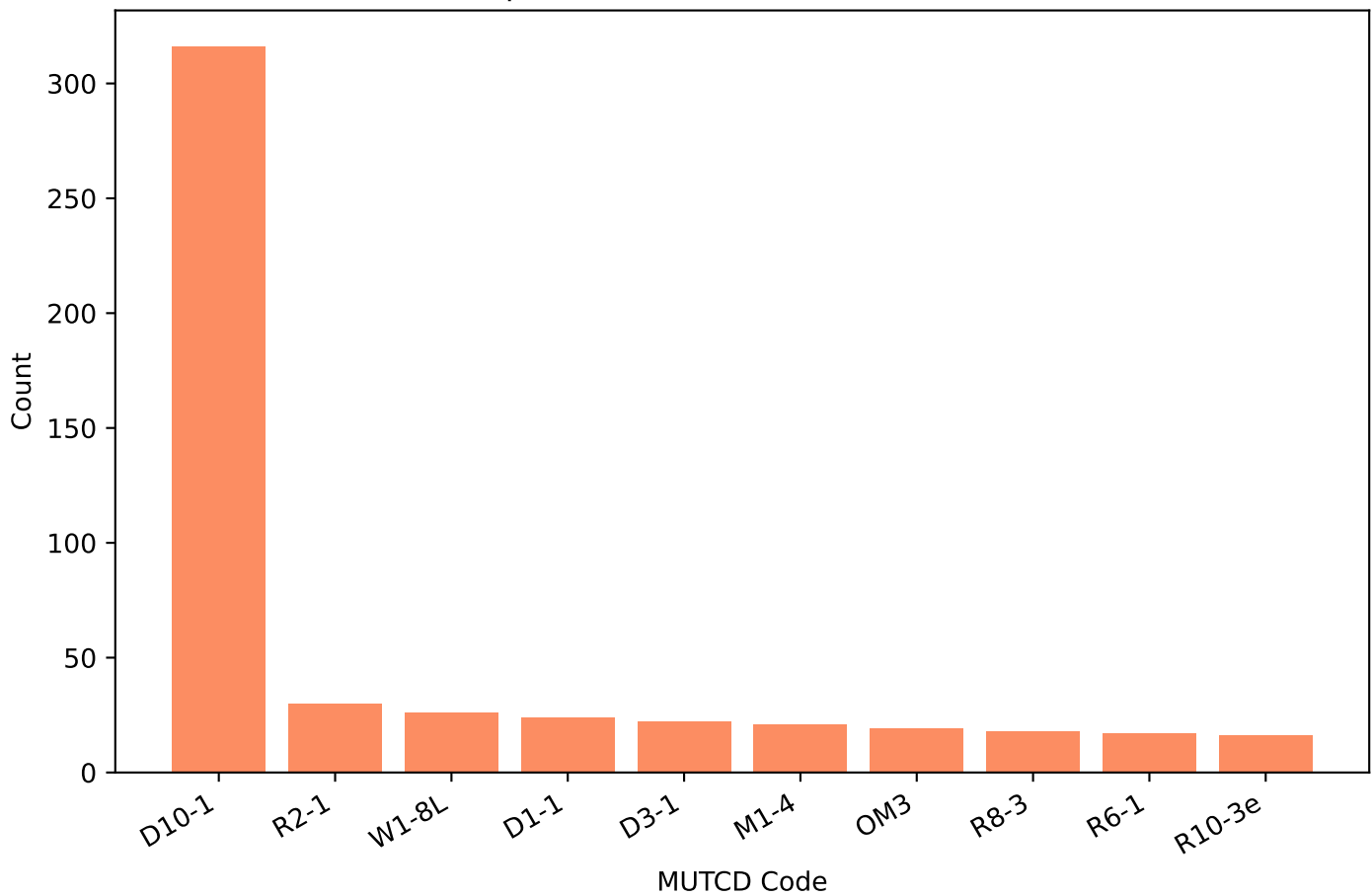
Duplicate Sign Report (After Duplicate Removal):

File 1: Original = 1866, Removed = 248, Unique = 1618
File 2: Original = 1338, Removed = 150, Unique = 1188

Distribution of Match Distances
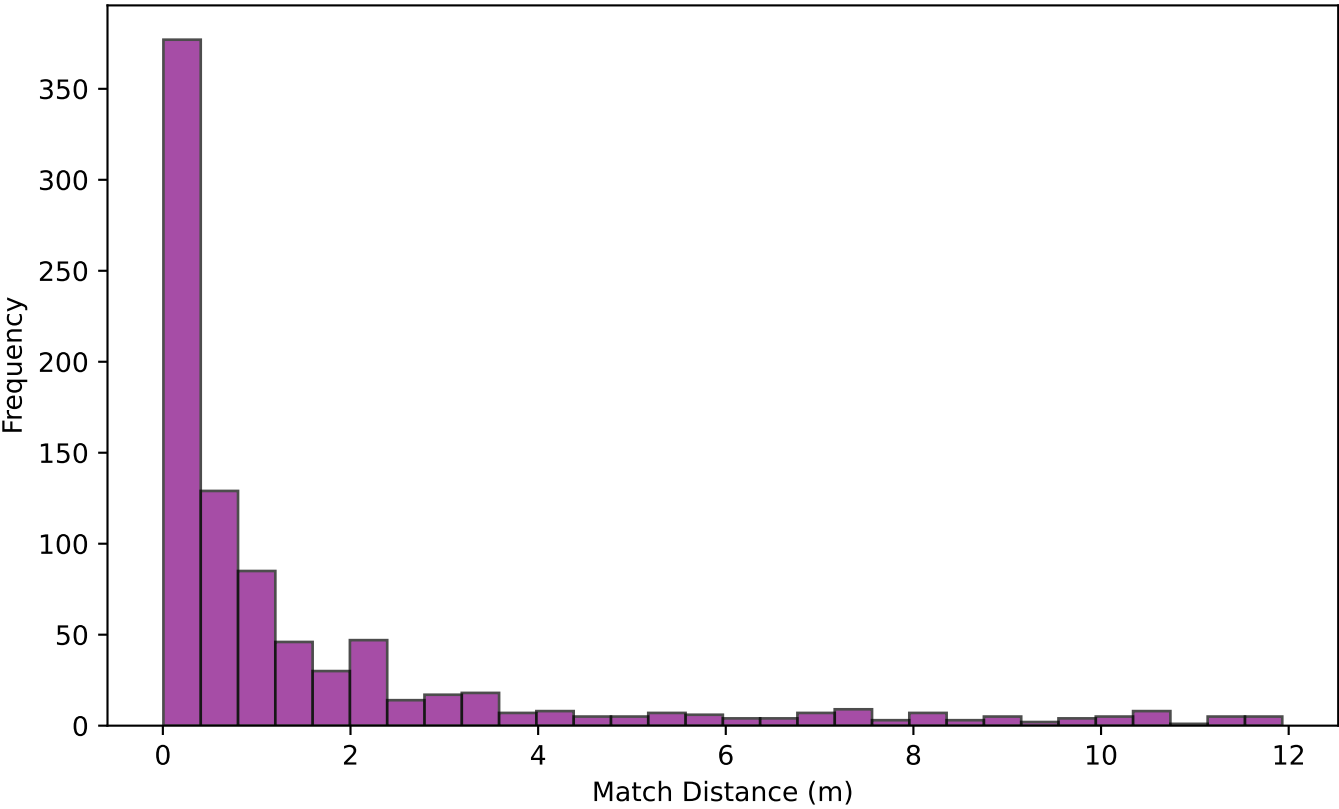
Summary Statistics:
Mean: 1.62 m
Median: 0.53 m
Std Dev: 2.49 m
Min: 0.01 m
Max: 11.93 m

Map of Matched Signs (Buffer: 12 m)
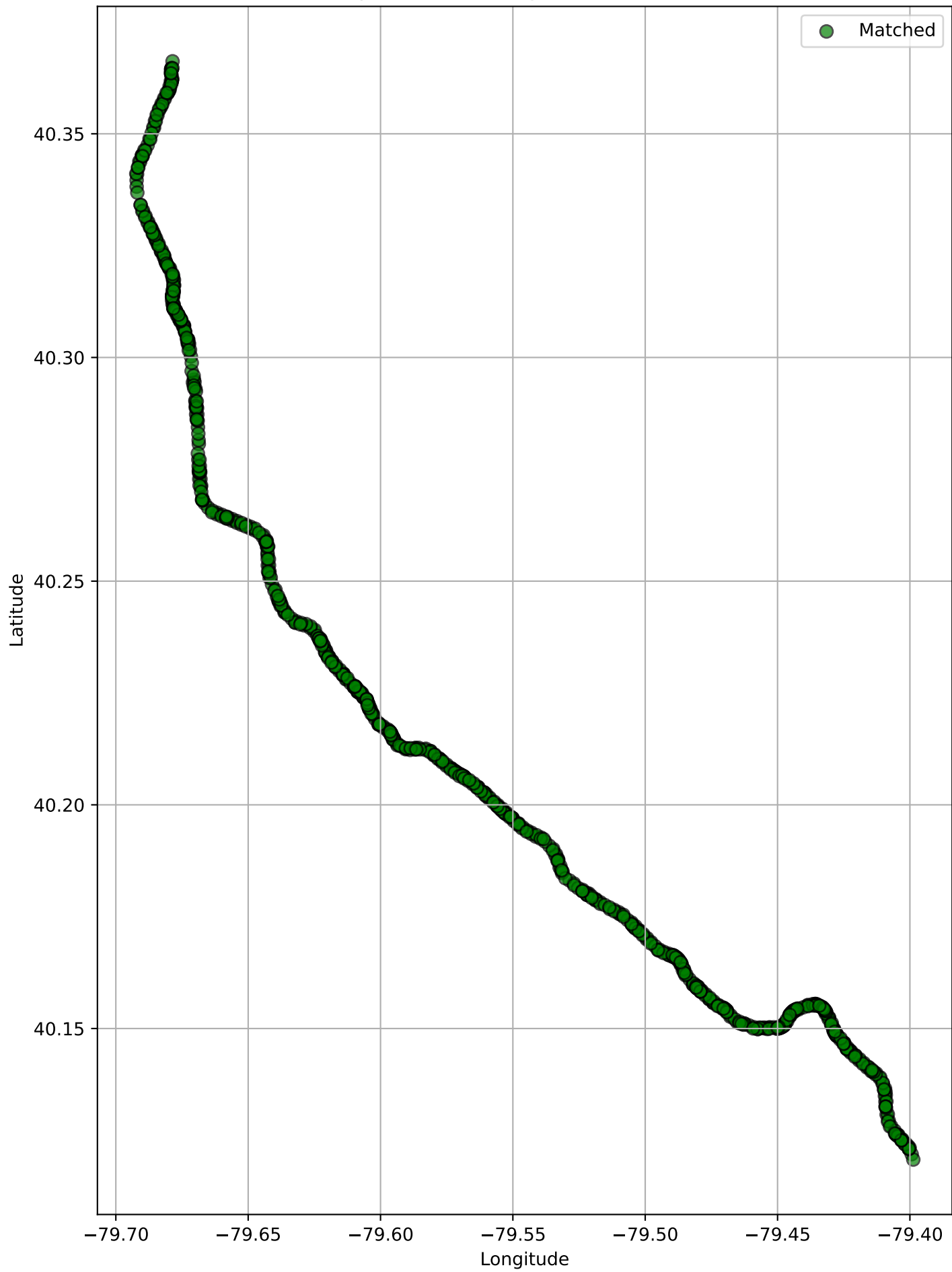
Map of Unmatched Signs (Buffer: 12 m)
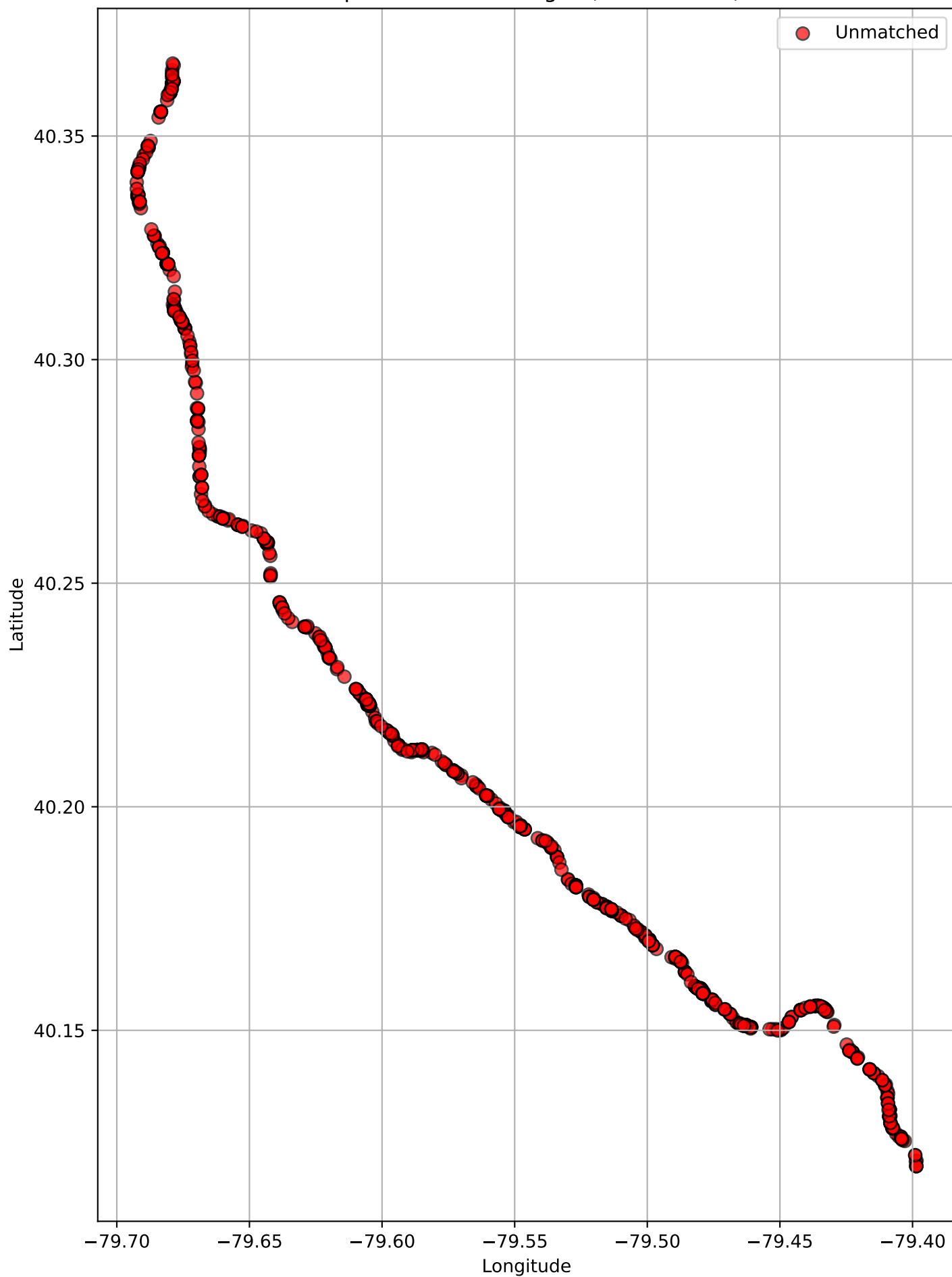
Top 10 Matched Codes (Buffer: 12 m)

D10-1
F1: 726, F2: 0
Matched%: 0.0%

W1-8L
F1: 78, F2: 0
Matched%: 0.0%

W1-8R
F1: 64, F2: 0
Matched%: 0.0%

D3-1
F1: 49, F2: 0
Matched%: 0.0%

R2-1
F1: 50, F2: 0
Matched%: 0.0%

D1-1
F1: 42, F2: 0
Matched%: 0.0%

OM3
F1: 36, F2: 0
Matched%: 0.0%

M1-4
F1: 34, F2: 0
Matched%: 0.0%

R8-3
F1: 30, F2: 0
Matched%: 0.0%

No image for
W1-2
F1: 11, F2: 0
Matched%: 0.0%

Top 10 Unmatched Codes (Buffer: 12 m)

D10-1
F1: 726, F2: 0
Matched%: 0.0%

R2-1
F1: 50, F2: 0
Matched%: 0.0%

W1-8L
F1: 78, F2: 0
Matched%: 0.0%

D1-1
F1: 42, F2: 0
Matched%: 0.0%

D3-1
F1: 49, F2: 0
Matched%: 0.0%

M1-4
F1: 34, F2: 0
Matched%: 0.0%

OM3
F1: 36, F2: 0
Matched%: 0.0%

R8-3
F1: 30, F2: 0
Matched%: 0.0%

No image for
R6-1
F1: 18, F2: 0
Matched%: 0.0%

R10-3e
F1: 19, F2: 0
Matched%: 0.0%

Final Summary

Total Sign Extraction: 5844

Datasets:
Mach9 Extraction (File 1)
Known Dataset (File 2)

Add any additional high-level stats or remarks here.

	MUTCD	Count	# With Text	Avg Width	Avg Height	Avg Orient	% of total
	D10-1	Count: 2178	# With Text: 638	Avg Width: 9.6	Avg Height: 4.1	Avg Orient: 8.4	% of total: 37.3%
No image for Unknown	Unknown	Count: 993	# With Text: 288	Avg Width: 8.1	Avg Height: 5.6	Avg Orient: -110.9	% of total: 17.0%
	W1-8L	Count: 234	# With Text: 74	Avg Width: 2.7	Avg Height: 3.9	Avg Orient: 18.3	% of total: 4.0%
	W1-8R	Count: 192	# With Text: 63	Avg Width: 2.8	Avg Height: 3.2	Avg Orient: 7.6	% of total: 3.3%
	R2-1	Count: 150	# With Text: 38	Avg Width: 2.9	Avg Height: 2.4	Avg Orient: -12.9	% of total: 2.6%
	D3-1	Count: 147	# With Text: 41	Avg Width: 7.2	Avg Height: 1.7	Avg Orient: 20.5	% of total: 2.5%
	D1-1	Count: 126	# With Text: 36	Avg Width: 9.8	Avg Height: 7.0	Avg Orient: 0.3	% of total: 2.2%
	OM3	Count: 108	# With Text: 31	Avg Width: 20.7	Avg Height: 3.9	Avg Orient: 3.6	% of total: 1.8%
	M1-4	Count: 102	# With Text: 33	Avg Width: 10.9	Avg Height: 3.2	Avg Orient: 21.5	% of total: 1.7%
	R8-3	Count: 90	# With Text: 28	Avg Width: 4.8	Avg Height: 3.7	Avg Orient: -3.0	% of total: 1.5%
No image for M6-1	M6-1	Count: 63	# With Text: 20	Avg Width: 7.6	Avg Height: 3.0	Avg Orient: -10.6	% of total: 1.1%
	R7-1	Count: 60	# With Text: 23	Avg Width: 3.8	Avg Height: 3.3	Avg Orient: 2.6	% of total: 1.0%
	R10-3e	Count: 57	# With Text: 16	Avg Width: 0.4	Avg Height: 0.5	Avg Orient: -1.6	% of total: 1.0%
No image for R6-1	R6-1	Count: 54	# With Text: 19	Avg Width: 7.7	Avg Height: 2.2	Avg Orient: 3.2	% of total: 0.9%
	W13-1P	Count: 51	# With Text: 15	Avg Width: 2.4	Avg Height: 2.6	Avg Orient: 28.6	% of total: 0.9%
No image for E1-1	E1-1	Count: 51	# With Text: 11	Avg Width: 15.8	Avg Height: 15.9	Avg Orient: 58.2	% of total: 0.9%
	W1-1	Count: 48	# With Text: 13	Avg Width: 4.3	Avg Height: 4.2	Avg Orient: -16.8	% of total: 0.8%
No image for E1-5P	E1-5P	Count: 42	# With Text: 11	Avg Width: 7.5	Avg Height: 4.2	Avg Orient: 44.4	% of total: 0.7%
	D12-3	Count: 39	# With Text: 14	Avg Width: 2.1	Avg Height: 3.4	Avg Orient: 30.5	% of total: 0.7%
	M1-5	Count: 39	# With Text: 9	Avg Width: 5.6	Avg Height: 2.5	Avg Orient: -16.0	% of total: 0.7%
	D5-1	Count: 36	# With Text: 10	Avg Width: 15.7	Avg Height: 10.7	Avg Orient: 63.4	% of total: 0.6%
	R3-10a	Count: 36	# With Text: 7	Avg Width: 10.2	Avg Height: 5.3	Avg Orient: 80.3	% of total: 0.6%
	R3-10	Count: 33	# With Text: 13	Avg Width: 5.6	Avg Height: 5.5	Avg Orient: 20.5	% of total: 0.6%
No image for W1-2	W1-2	Count: 33	# With Text: 12	Avg Width: 10.5	Avg Height: 6.3	Avg Orient: -3.7	% of total: 0.6%
	M1-1	Count: 30	# With Text: 9	Avg Width: 5.7	Avg Height: 3.7	Avg Orient: 31.4	% of total: 0.5%
	R1-1	Count: 30	# With Text: 10	Avg Width: 0.9	Avg Height: 1.3	Avg Orient: -53.8	% of total: 0.5%
No image for W1-8	W1-8	Count: 27	# With Text: 13	Avg Width: 2.5	Avg Height: 3.6	Avg Orient: -12.1	% of total: 0.5%
	D10-2	Count: 27	# With Text: 8	Avg Width: 0.8	Avg Height: 1.3	Avg Orient: 46.5	% of total: 0.5%
	M1-6	Count: 24	# With Text: 13	Avg Width: 16.7	Avg Height: 2.8	Avg Orient: -55.8	% of total: 0.4%
No image for D9-18b	D9-18b	Count: 21	# With Text: 4	Avg Width: 10.8	Avg Height: 7.7	Avg Orient: 76.1	% of total: 0.4%

No image for W1-13	MUTCD: W1-13	Count: 18	# With Text: 5	Avg Width: 4.6	Avg Height: 3.2	Avg Orient: -54.2 % of total: 0.3%
	MUTCD: R5-1a	Count: 18	# With Text: 6	Avg Width: 4.2	Avg Height: 2.4	Avg Orient: 9.6 % of total: 0.3%
	MUTCD: W7-1	Count: 18	# With Text: 4	Avg Width: 10.4	Avg Height: 5.7	Avg Orient: 39.5 % of total: 0.3%
No image for M3-2	MUTCD: M3-2	Count: 18	# With Text: 5	Avg Width: 2.2	Avg Height: 1.4	Avg Orient: 70.7 % of total: 0.3%
	MUTCD: D12-5	Count: 18	# With Text: 4	Avg Width: 4.4	Avg Height: 4.7	Avg Orient: 24.8 % of total: 0.3%
No image for M6-3	MUTCD: M6-3	Count: 15	# With Text: 6	Avg Width: 8.9	Avg Height: 1.4	Avg Orient: -37.4 % of total: 0.3%
	MUTCD: R3-4	Count: 15	# With Text: 6	Avg Width: 1.8	Avg Height: 3.1	Avg Orient: -4.6 % of total: 0.3%
No image for R33-1	MUTCD: R33-1	Count: 15	# With Text: 4	Avg Width: 18.3	Avg Height: 3.7	Avg Orient: -17.3 % of total: 0.3%
	MUTCD: R4-16	Count: 15	# With Text: 3	Avg Width: 4.8	Avg Height: 4.1	Avg Orient: -39.3 % of total: 0.3%
No image for R8-31	MUTCD: R8-31	Count: 15	# With Text: 3	Avg Width: 3.9	Avg Height: 3.0	Avg Orient: -39.9 % of total: 0.3%
No image for W1-5	MUTCD: W1-5	Count: 15	# With Text: 3	Avg Width: 7.7	Avg Height: 4.9	Avg Orient: -51.6 % of total: 0.3%
	MUTCD: W12-2	Count: 15	# With Text: 3	Avg Width: 3.5	Avg Height: 3.1	Avg Orient: -63.7 % of total: 0.3%
	MUTCD: W13-2	Count: 15	# With Text: 6	Avg Width: 3.0	Avg Height: 5.2	Avg Orient: 98.2 % of total: 0.3%
No image for W16-1	MUTCD: W16-1	Count: 15	# With Text: 4	Avg Width: 1.6	Avg Height: 1.8	Avg Orient: 72.9 % of total: 0.3%
No image for W20-5a	MUTCD: W20-5a	Count: 12	# With Text: 3	Avg Width: 10.6	Avg Height: 4.6	Avg Orient: -34.4 % of total: 0.2%
No image for W7-3a	MUTCD: W7-3a	Count: 12	# With Text: 3	Avg Width: 3.3	Avg Height: 3.2	Avg Orient: 84.7 % of total: 0.2%
No image for R8-32	MUTCD: R8-32	Count: 12	# With Text: 6	Avg Width: 6.7	Avg Height: 4.6	Avg Orient: 34.8 % of total: 0.2%
No image for R3-10b	MUTCD: R3-10b	Count: 12	# With Text: 3	Avg Width: 23.5	Avg Height: 6.4	Avg Orient: -19.3 % of total: 0.2%
	MUTCD: D12-2	Count: 12	# With Text: 3	Avg Width: 4.7	Avg Height: 3.5	Avg Orient: -4.7 % of total: 0.2%
No image for E1-1a	MUTCD: E1-1a	Count: 12	# With Text: 6	Avg Width: 6.0	Avg Height: 6.2	Avg Orient: -12.2 % of total: 0.2%
	MUTCD: D1-2	Count: 9	# With Text: 3	Avg Width: 11.9	Avg Height: 7.0	Avg Orient: -13.2 % of total: 0.2%
	MUTCD: W3-5	Count: 9	# With Text: 4	Avg Width: 3.7	Avg Height: 3.3	Avg Orient: 14.9 % of total: 0.2%
	MUTCD: D9-11b	Count: 9	# With Text: 2	Avg Width: 2.1	Avg Height: 3.0	Avg Orient: 18.3 % of total: 0.2%
	MUTCD: R3-14	Count: 9	# With Text: 3	Avg Width: 10.4	Avg Height: 5.3	Avg Orient: -64.9 % of total: 0.2%
	MUTCD: W16-4P	Count: 9	# With Text: 0	Avg Width: 7.2	Avg Height: 2.2	Avg Orient: -85.8 % of total: 0.2%
	MUTCD: R14-1	Count: 9	# With Text: 1	Avg Width: 3.0	Avg Height: 3.9	Avg Orient: -27.2 % of total: 0.2%
No image for W4-1	MUTCD: W4-1	Count: 9	# With Text: 4	Avg Width: 4.4	Avg Height: 4.5	Avg Orient: 73.2 % of total: 0.2%
No image for W4-2	MUTCD: W4-2	Count: 9	# With Text: 3	Avg Width: 9.7	Avg Height: 2.4	Avg Orient: -38.2 % of total: 0.2%
No image for W4-3	MUTCD: W4-3	Count: 9	# With Text: 3	Avg Width: 3.6	Avg Height: 4.2	Avg Orient: 45.4 % of total: 0.2%
	MUTCD: W8-13	Count: 9	# With Text: 4	Avg Width: 4.4	Avg Height: 4.8	Avg Orient: -77.4 % of total: 0.2%

	MUTCD	Count	# With Text	Avg Width	Avg Height	Avg Orient	% of total
	MUTCD: W8-14	Count: 9	# With Text: 2	Avg Width: 4.0	Avg Height: 4.6	Avg Orient: -14.5	% of total: 0.2%
No image for E1-2a	MUTCD: E1-2a	Count: 9	# With Text: 3	Avg Width: 15.5	Avg Height: 20.0	Avg Orient: 96.9	% of total: 0.2%
No image for W1-1a	MUTCD: W1-1a	Count: 9	# With Text: 3	Avg Width: 5.1	Avg Height: 5.3	Avg Orient: -12.5	% of total: 0.2%
No image for R7-12	MUTCD: R7-12	Count: 6	# With Text: 3	Avg Width: 2.0	Avg Height: 1.9	Avg Orient: -116.8	% of total: 0.1%
No image for M6-1L	MUTCD: M6-1L	Count: 6	# With Text: 1	Avg Width: 3.7	Avg Height: 3.1	Avg Orient: 44.8	% of total: 0.1%
No image for M5-1	MUTCD: M5-1	Count: 6	# With Text: 2	Avg Width: 2.2	Avg Height: 1.2	Avg Orient: 83.8	% of total: 0.1%
	MUTCD: R5-1	Count: 6	# With Text: 2	Avg Width: 0.7	Avg Height: 1.0	Avg Orient: -74.6	% of total: 0.1%
	MUTCD: R8-2	Count: 6	# With Text: 2	Avg Width: 12.8	Avg Height: 4.5	Avg Orient: 46.1	% of total: 0.1%
	MUTCD: D5-2	Count: 6	# With Text: 1	Avg Width: 13.7	Avg Height: 7.3	Avg Orient: -80.3	% of total: 0.1%
	MUTCD: D9-2	Count: 6	# With Text: 2	Avg Width: 2.2	Avg Height: 2.2	Avg Orient: -49.7	% of total: 0.1%
No image for D9-18bP	MUTCD: D9-18bP	Count: 6	# With Text: 2	Avg Width: 1.4	Avg Height: 5.2	Avg Orient: -144.4	% of total: 0.1%
No image for W1-10	MUTCD: W1-10	Count: 6	# With Text: 4	Avg Width: 2.9	Avg Height: 2.5	Avg Orient: -68.0	% of total: 0.1%
	MUTCD: W16-13P	Count: 6	# With Text: 3	Avg Width: 3.2	Avg Height: 2.2	Avg Orient: -31.7	% of total: 0.1%
No image for W9-3	MUTCD: W9-3	Count: 6	# With Text: 3	Avg Width: 9.9	Avg Height: 1.7	Avg Orient: 106.3	% of total: 0.1%
No image for W9-3a	MUTCD: W9-3a	Count: 6	# With Text: 1	Avg Width: 12.7	Avg Height: 1.8	Avg Orient: -56.3	% of total: 0.1%
	MUTCD: R3-18	Count: 6	# With Text: 1	Avg Width: 2.4	Avg Height: 5.1	Avg Orient: -74.8	% of total: 0.1%
	MUTCD: R7-8	Count: 6	# With Text: 0	Avg Width: 2.5	Avg Height: 2.5	Avg Orient: 151.2	% of total: 0.1%
	MUTCD: R3-12	Count: 6	# With Text: 1	Avg Width: 3.3	Avg Height: 5.2	Avg Orient: -30.2	% of total: 0.1%
	MUTCD: R3-1	Count: 6	# With Text: 1	Avg Width: 24.9	Avg Height: 7.9	Avg Orient: -67.4	% of total: 0.1%
No image for M3-1	MUTCD: M3-1	Count: 6	# With Text: 2	Avg Width: 8.6	Avg Height: 4.2	Avg Orient: 121.7	% of total: 0.1%
	MUTCD: R1-2	Count: 6	# With Text: 2	Avg Width: 3.0	Avg Height: 2.2	Avg Orient: 143.0	% of total: 0.1%
No image for M3-4B	MUTCD: M3-4B	Count: 3	# With Text: 1	Avg Width: 0.4	Avg Height: 1.3	Avg Orient: 152.6	% of total: 0.1%
No image for W16-2a	MUTCD: W16-2a	Count: 3	# With Text: 2	Avg Width: 26.3	Avg Height: 5.0	Avg Orient: -91.5	% of total: 0.1%
	MUTCD: W16-1P	Count: 3	# With Text: 1	Avg Width: 1.2	Avg Height: 2.4	Avg Orient: -53.7	% of total: 0.1%
No image for R1-1a	MUTCD: R1-1a	Count: 3	# With Text: 2	Avg Width: 0.7	Avg Height: 1.5	Avg Orient: -2.5	% of total: 0.1%
No image for W16-13	MUTCD: W16-13	Count: 3	# With Text: 0	Avg Width: 2.3	Avg Height: 1.6	Avg Orient: -177.2	% of total: 0.1%
No image for W14-1a	MUTCD: W14-1a	Count: 3	# With Text: 1	Avg Width: 1.9	Avg Height: 1.2	Avg Orient: -165.1	% of total: 0.1%
	MUTCD: D3-2	Count: 3	# With Text: 0	Avg Width: 6.2	Avg Height: 1.7	Avg Orient: 71.3	% of total: 0.1%
	MUTCD: D5-1a	Count: 3	# With Text: 2	Avg Width: 13.2	Avg Height: 14.5	Avg Orient: -59.3	% of total: 0.1%
No image for W13-1	MUTCD: W13-1	Count: 3	# With Text: 0	Avg Width: 0.6	Avg Height: 2.7	Avg Orient: 60.5	% of total: 0.1%

No image for D5-1b	MUTCD: D5-1b	Count: 3	# With Text: 1	Avg Width: 14.9	Avg Height: 14.9	Avg Orient: 122.1	% of total: 0.1%
	MUTCD: W12-1	Count: 3	# With Text: 2	Avg Width: 3.8	Avg Height: 3.1	Avg Orient: -137.7	% of total: 0.1%
ALL WAY	MUTCD: R1-3P	Count: 3	# With Text: 1	Avg Width: 0.8	Avg Height: 0.7	Avg Orient: -74.8	% of total: 0.1%
	MUTCD: D8-1a	Count: 3	# With Text: 1	Avg Width: 6.0	Avg Height: 2.4	Avg Orient: -122.7	% of total: 0.1%
No image for W16-4	MUTCD: W16-4	Count: 3	# With Text: 1	Avg Width: 7.0	Avg Height: 2.0	Avg Orient: -128.3	% of total: 0.1%
No image for W16-7P	MUTCD: W16-7P	Count: 3	# With Text: 2	Avg Width: 1.1	Avg Height: 2.0	Avg Orient: 138.8	% of total: 0.1%
	MUTCD: W1-7	Count: 3	# With Text: 2	Avg Width: 2.7	Avg Height: 1.3	Avg Orient: 95.1	% of total: 0.1%
No image for MUTCD MRP-1	MUTCD: MUTCD MRP-1	Count: 3	# With Text: 0	Avg Width: 0.4	Avg Height: 2.4	Avg Orient: 34.2	% of total: 0.1%
No image for M6-2	MUTCD: M6-2	Count: 3	# With Text: 1	Avg Width: 0.1	Avg Height: 0.3	Avg Orient: -162.3	% of total: 0.1%
No image for M4-3	MUTCD: M4-3	Count: 3	# With Text: 0	Avg Width: 3.3	Avg Height: 0.7	Avg Orient: -90.0	% of total: 0.1%
No image for MILEPOST	MUTCD: MILEPOST	Count: 3	# With Text: 1	Avg Width: 18.5	Avg Height: 14.1	Avg Orient: -161.6	% of total: 0.1%
No image for MS1-1	MUTCD: MS1-1	Count: 3	# With Text: 1	Avg Width: 21.7	Avg Height: 8.9	Avg Orient: 172.3	% of total: 0.1%
Buffalo 14	MUTCD: D1-1a	Count: 3	# With Text: 0	Avg Width: 3.6	Avg Height: 3.3	Avg Orient: -46.1	% of total: 0.1%
Campus	MUTCD: D1-1b	Count: 3	# With Text: 0	Avg Width: 11.0	Avg Height: 3.1	Avg Orient: 47.6	% of total: 0.1%
No image for Milepost	MUTCD: Milepost	Count: 3	# With Text: 0	Avg Width: 5.3	Avg Height: 3.9	Avg Orient: -90.2	% of total: 0.1%
No image for W20-1	MUTCD: W20-1	Count: 3	# With Text: 0	Avg Width: 0.8	Avg Height: 1.9	Avg Orient: 61.2	% of total: 0.1%
No image for M4-14	MUTCD: M4-14	Count: 3	# With Text: 1	Avg Width: 1.4	Avg Height: 3.0	Avg Orient: -12.7	% of total: 0.1%
No image for R	MUTCD: R	Count: 3	# With Text: 0	Avg Width: 2.0	Avg Height: 2.9	Avg Orient: -169.4	% of total: 0.1%
	MUTCD: W3-4	Count: 3	# With Text: 0	Avg Width: 2.6	Avg Height: 5.2	Avg Orient: -55.6	% of total: 0.1%
	MUTCD: W3-3	Count: 3	# With Text: 1	Avg Width: 0.2	Avg Height: 0.1	Avg Orient: -90.0	% of total: 0.1%
No image for W21-5a	MUTCD: W21-5a	Count: 3	# With Text: 1	Avg Width: 6.8	Avg Height: 3.4	Avg Orient: 153.9	% of total: 0.1%
No image for R0-1	MUTCD: R0-1	Count: 3	# With Text: 1	Avg Width: 2.1	Avg Height: 1.7	Avg Orient: 30.8	% of total: 0.1%
	MUTCD: D8-2	Count: 3	# With Text: 1	Avg Width: 11.1	Avg Height: 2.9	Avg Orient: 115.5	% of total: 0.1%
No image for W1-4b	MUTCD: W1-4b	Count: 3	# With Text: 3	Avg Width: 14.0	Avg Height: 14.9	Avg Orient: 127.8	% of total: 0.1%
No image for R1-5	MUTCD: R1-5	Count: 3	# With Text: 0	Avg Width: 3.4	Avg Height: 3.7	Avg Orient: -165.6	% of total: 0.1%
No image for I-1VA	MUTCD: I-1VA	Count: 3	# With Text: 1	Avg Width: 13.6	Avg Height: 16.3	Avg Orient: 148.6	% of total: 0.1%
No image for K2-1	MUTCD: K2-1	Count: 3	# With Text: 1	Avg Width: 20.7	Avg Height: 3.5	Avg Orient: 125.6	% of total: 0.1%
No image for I-9	MUTCD: I-9	Count: 3	# With Text: 2	Avg Width: 18.0	Avg Height: 14.6	Avg Orient: 124.4	% of total: 0.1%
No image for R5-1c	MUTCD: R5-1c	Count: 3	# With Text: 1	Avg Width: 4.7	Avg Height: 2.7	Avg Orient: -76.8	% of total: 0.1%
No image for E1-5	MUTCD: E1-5	Count: 3	# With Text: 2	Avg Width: 7.0	Avg Height: 5.1	Avg Orient: 141.7	% of total: 0.1%

Sign	MUTCD	Count	# With Text	Avg Width	Avg Height	Avg Orient	% of total
	MUTCD: R5-10a	Count: 3	# With Text: 1	Avg Width: 0.7	Avg Height: 4.7	Avg Orient: 102.2	% of total: 0.1%
No image for I-66P	MUTCD: I-66P	Count: 3	# With Text: 0	Avg Width: 13.6	Avg Height: 16.4	Avg Orient: 130.7	% of total: 0.1%
No image for I-1a	MUTCD: I-1a	Count: 3	# With Text: 0	Avg Width: 6.9	Avg Height: 16.1	Avg Orient: -48.4	% of total: 0.1%
	MUTCD: R3-11b	Count: 3	# With Text: 2	Avg Width: 3.1	Avg Height: 0.7	Avg Orient: 58.4	% of total: 0.1%
	MUTCD: R3-8b	Count: 3	# With Text: 2	Avg Width: 5.5	Avg Height: 2.2	Avg Orient: 49.1	% of total: 0.1%
No image for R3-8a	MUTCD: R3-8a	Count: 3	# With Text: 1	Avg Width: 3.1	Avg Height: 1.0	Avg Orient: 58.2	% of total: 0.1%
No image for R3-8	MUTCD: R3-8	Count: 3	# With Text: 2	Avg Width: 2.7	Avg Height: 5.7	Avg Orient: 167.6	% of total: 0.1%
No image for I-2	MUTCD: I-2	Count: 3	# With Text: 0	Avg Width: 6.1	Avg Height: 4.1	Avg Orient: -44.1	% of total: 0.1%
	MUTCD: R3-2	Count: 3	# With Text: 0	Avg Width: 3.0	Avg Height: 9.0	Avg Orient: -53.5	% of total: 0.1%
	MUTCD: R3-1a	Count: 3	# With Text: 1	Avg Width: 1.6	Avg Height: 2.0	Avg Orient: 101.5	% of total: 0.1%
	MUTCD: R7-20	Count: 3	# With Text: 0	Avg Width: 5.9	Avg Height: 3.3	Avg Orient: -51.0	% of total: 0.1%
No image for R7-201a	MUTCD: R7-201a	Count: 3	# With Text: 0	Avg Width: 17.8	Avg Height: 2.2	Avg Orient: 97.3	% of total: 0.1%
No image for R7-33	MUTCD: R7-33	Count: 3	# With Text: 1	Avg Width: 2.3	Avg Height: 3.0	Avg Orient: -104.2	% of total: 0.1%
	MUTCD: R7-4	Count: 3	# With Text: 0	Avg Width: 0.8	Avg Height: 0.7	Avg Orient: -145.5	% of total: 0.1%
No image for R14-1a	MUTCD: R14-1a	Count: 3	# With Text: 0	Avg Width: 16.6	Avg Height: 5.7	Avg Orient: -78.8	% of total: 0.1%
	MUTCD: D9-7	Count: 3	# With Text: 0	Avg Width: 1.1	Avg Height: 2.0	Avg Orient: -144.4	% of total: 0.1%
No image for D9-22	MUTCD: D9-22	Count: 3	# With Text: 0	Avg Width: 4.7	Avg Height: 1.1	Avg Orient: 35.5	% of total: 0.1%
	MUTCD: R12-1	Count: 3	# With Text: 1	Avg Width: 1.0	Avg Height: 1.3	Avg Orient: 7.5	% of total: 0.1%
	MUTCD: R8-3a	Count: 3	# With Text: 1	Avg Width: 3.3	Avg Height: 3.3	Avg Orient: 43.9	% of total: 0.1%
No image for S4-3	MUTCD: S4-3	Count: 3	# With Text: 0	Avg Width: 0.6	Avg Height: 3.3	Avg Orient: 30.4	% of total: 0.1%
No image for M3-4	MUTCD: M3-4	Count: 3	# With Text: 1	Avg Width: 1.2	Avg Height: 0.4	Avg Orient: -126.9	% of total: 0.1%
	MUTCD: R10-14	Count: 3	# With Text: 1	Avg Width: 2.5	Avg Height: 2.5	Avg Orient: -31.3	% of total: 0.1%
No image for D9-18	MUTCD: D9-18	Count: 3	# With Text: 0	Avg Width: 13.2	Avg Height: 19.4	Avg Orient: 167.0	% of total: 0.1%
No image for W1-15	MUTCD: W1-15	Count: 3	# With Text: 0	Avg Width: 5.4	Avg Height: 8.1	Avg Orient: -16.6	% of total: 0.1%
No image for R1-5a	MUTCD: R1-5a	Count: 3	# With Text: 1	Avg Width: 3.0	Avg Height: 3.2	Avg Orient: 146.7	% of total: 0.1%
	MUTCD: D9-13	Count: 3	# With Text: 1	Avg Width: 1.5	Avg Height: 0.2	Avg Orient: -35.5	% of total: 0.1%
No image for W1-3	MUTCD: W1-3	Count: 3	# With Text: 0	Avg Width: 14.1	Avg Height: 15.3	Avg Orient: 127.9	% of total: 0.1%
No image for BGS	MUTCD: BGS	Count: 3	# With Text: 2	Avg Width: 0.7	Avg Height: 0.6	Avg Orient: -54.7	% of total: 0.1%