

SIGN DART BY RAM JACK



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RAM JACK DISTRIBUTION & MFG.

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RAM JACK MANUFACTURING

MOTOM

Plasma Cutters

Robotic Welders

Powder Coating



INTERNATIONAL DEALER NETWORK





SIGN DART BY RAM JACK



CONCEPT FROM DIVISION 3 REQUEST

BENEFITS

- Install Time
- No Wait time for concrete to set up
- Re-Use and Maintenance
- Cost Savings



COST SAVINGS DETAILS

Current Install (1.5hrs)

- ✓ 3 Employees @ \$15/hr
- 3 Trucks (2 International & 3/4 ton)
- Concrete & Materials
- Drive Time
- 🗸 Cure Time
- Return Trip to Set Sign



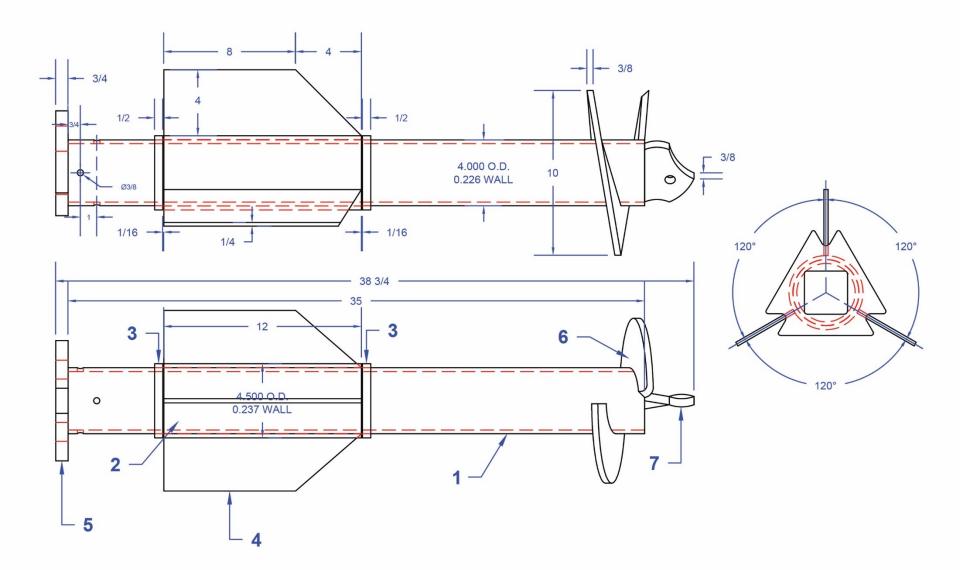
\$250.00 W/O FUEL COSTS

2 Employees @ \$15/hr

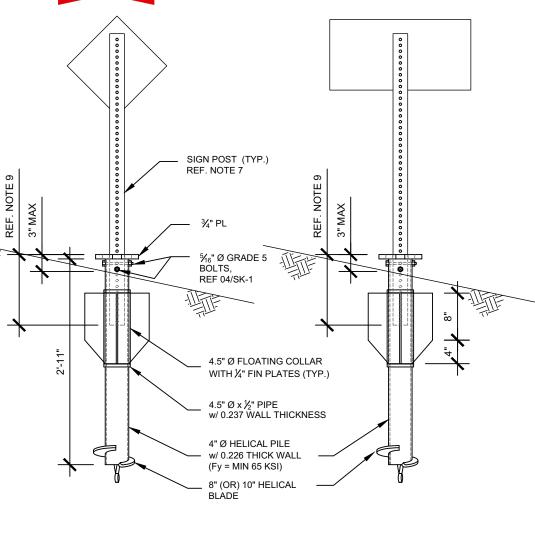
Sign Dart Install (15 mins)

- 1 Truck
- 🧹 1 Trip



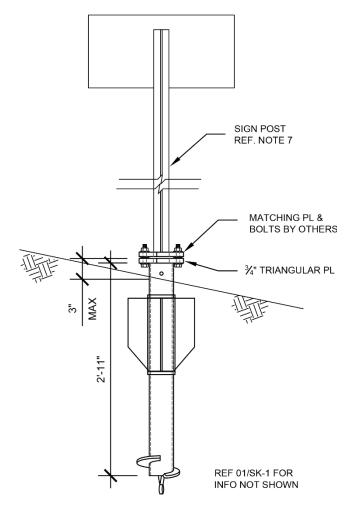






TYPICAL BASE

SLIP BASE





T1

Т3

AVG

IN-HOUSE TESTING

TESTING RESULTS

- AVERAGE OF -6000bs LATERAL LOAD FOR 1" DEFLECTION





6000lbs

6422 lbs





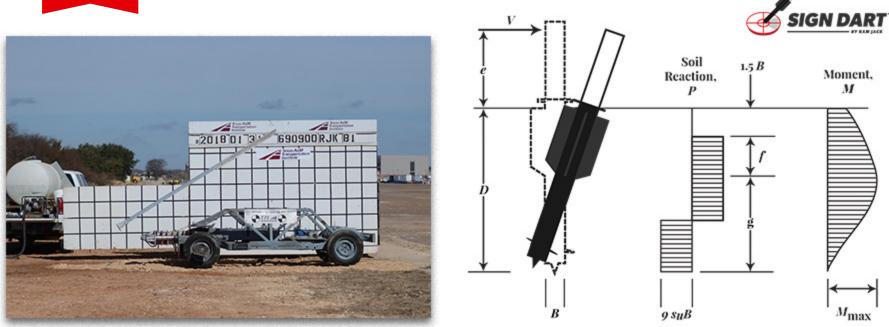


Table 3. Maximum Allowable Wind Load Capacity of Square Tube Posts

ODOT Standard Square Tube Post Specification	Maximum Allowable Sign Area for Single Post (ft ²)	Maximum Allowable Wind Load (Ibs.)
1 1/2" x 12 gauge (perf.)	7.14	144
1 ¾" x 14 gauge (perf.)	8.04	162
1 3⁄4" x 12 gauge (perf.)	10.01	201
2" x 14 gauge (perf.)	10.71	215
2" x 12 gauge (perf.)	13.36	269
2 ¼" x 14 gauge (perf.)	13.77	277
2 ¼" x 12 gauge (perf.)	17.20	346
2 1⁄2" x 12 gauge (perf.)	21.52	433



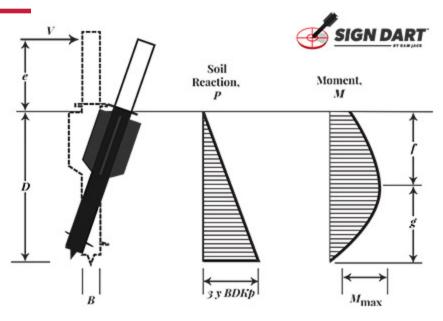


Table 2. Allowable Pile Capacity in Different Soil Conditions

Application Type	Soil Type	Test#	Allow. Pile Capacity from Individual Tests (Ibs.)	Max. Allowable Pile Capacity (Ibs.)
Lateral	Clay	L1-C	3,000	2,570
		L2-C	3,000	
		L3-C	2,570	
	Sand	L1-S	1,350	1,350
		L2-S	2,120	
		L3-S	2,120	
Tension	Clay	T1-C	3,800	3,600
		T2-C	3,600	
		T3-C	4,200	
	Sand	T1-S	1,600	1,400
		T2-S	1,800	
		T3-S	1,400	





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Ram Jack Helical Piles Fully Support Bridge

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ENGINEER RESOURCES

Available on RamJack.com