



? What conditions should be considered for a Traffic Rated enclosure?

- Vehicle class up to Class 8
- Gross vehicle weight of up to 40,000 pounds
- Maximum wheel load of 16,000 pounds
- Design load 16,000 lb/ft², Test Load 34,720 lb
- Continuous roadway traffic

	Class Vehicle	GVW (lb)	Max Wheel Load (lb)	Design Load	Test Load	Specification	Load Category
Light Duty Pedestrian Only 	Pedestrian	-	-	300 lb/ft ²	-	ASTM C 857	A-0.3
	Pedestrian	-	-	-	3000 lbf	ANSI/SCTE 77	Light Duty, Pedestrian
	Pedestrian	-	-	850 lb	2200 lb	Telcordia GR-902	Greenway
	Passenger Vehicle	6000	2400	2000 lbf	4340 lbf	WUC, Guide 3.6	Ped.Greenway Category 1
Medium Duty Non-deliberate Traffic 	Light Duty Truck, up to Class 3	14000	5600	5000	7500	ANSI/SCTE 77	Tier 5
				8000	12000		Tier 8
				3900	10400	Telcordia GR-902	Pedestrian/Light Duty Incidental
	Medium Duty Truck, up to class 5	19500	7800	7800	20800	Telcordia GR-902	Non-Continuous Traffic
				8000	17360	ASTM C 857	A-8
				8000	17360	WUC, Guide 3.6	Non-Continuous Traffic, Category 2
Heavy Duty Non-deliberate Traffic 	Heavy Duty Truck, up to Class 8	40000	16000	16000	34720	ASTM C 857	A-16
				22500	33750	ANSI/SCTE 77	Tier 22
				16000	34720	WUC, Guide 3.6	In shoulder or parking area outside traffic lane, Category 3
Traffic Rated Continuous Roadway Traffic 	Vehicles up to Class 8	40000	16000	16000	34720	ASTM C 857	A-16

Products are rated by the lowest component rating.

A tier 15 cover with a tier 22 body is rated tier 15. A tier 22 cover with a tier 22 body is rated tier 22.

? What test levels do Oldcastle enclosures meet?

- Concrete enclosure with steel cover ASTM C-857 - A16 Heavy Traffic.
- Caltrans – 86 – 2.07 Traffic pull boxes.
- Galvanized or black finished 1/2" checker plate steel cover with steel seat ring cap tested to AASHTO H-20 - 442, HS20-44 "Traffic" rated service.





? What are the various materials best suited for?



High Density Plastic,
Concrete



Hybrid-Plastic,
Composite,
Polymer Concrete



Polymer Concrete, Polymer
Concrete with Composite



Concrete, Steel
Reinforced, Steel
Cover

Light Duty

Medium Duty

Heavy Duty

Traffic Rated

? How do I determine the correct enclosure size?

- How many conduits may potentially enter the enclosure and what will be their diameter?
- Will a person need to stand inside the enclosure?
- How many feet of cable slack will be needed for storage and what bend radius is required?
- How many components both active and passive will be installed?
- How much internal volume will be needed?
- What length/width/depth will be required based on regional climates, water table, soil types, etc.
- Fiber Optic Bend Radius
 - *Dynamic* 20 x Cable OD
 - *Static* 10 x Cable OD

? What sizes of reinforced concrete enclosures does Oldcastle offer?

Brand	Material	Model	Size (LxW)	Shape	Wall Type	Depths	Design Load	Tier
	 Concrete	N09R	10" x 17"	☐	Straight	12" 24" 36" 48" 60"	300 lb/ft ²	Ped
		N16R	11" x 22"	☐		12" 24" 36" 48" 60"		
		N30R	13" x 24"	☐		12" 24" 36" 48" 60"		
		N36R	17" x 30"	☐		12" 24" 36" 48" 60"		
		N40	24" x 36"	☐		14" 24" 36" 48" 60"		
		N48	30" x 48"	☐		14" 24" 36" 48" 60"		
		N52	30" x 60"	☐		14" 24" 36" 48" 60"		
		F08	8" Dia	☐		12"		
	 Concrete	B1017	10" x 17"	☐	Straight	12" 24" 36"	16,000 lbf	N/A
		B1324	13" x 24"	☐		12" 24" 36"		
		B1730	17" x 30"	☐		12" 24" 36"		
		B2436	24" x 36"	☐		12" 24" 36"		
		724H	24" x 48"	☐		16" 32"		
		B3048	30" x 48"	☐		12" 24" 36"		
		744H	48" x 48"	☐		16" 32"		

Blue - Stacked Body Units Orange - Extension Units





? What standards or specification(s) do your products meet?



Certifications: ASTM C-857 – A16 Heavy Traffic, Caltrans 86-2.07 Traffic Pull Boxes.



Strength: durable quality boxes. AASHTO H20-44 & HS20-44 when equipped with steel cover and steel seat ring cap.



Impact Tested: high density reinforced box prevents damage.



Cable Slack Storage: slack storage where you need it without exceeding required bend radius.



Chemical Resistance: prevents corrosion from asphalt, road salts, fertilizers, oils, other chemicals, weather, and sunlight.



Freeze/Thaw: material is not effected.



Non-Flammable: material makeup will not support combustion.

? Can you help me get Oldcastle enclosures approved by an agency, utility, or end-user?

Most likely Oldcastle has already been approved. For questions or new approvals please contact us at 800-735-5566. We can provide you with the required drawings, certifications, and test results.

? Will rapid freeze and thaw conditions affect the enclosure?

Reinforced concrete enclosures are unaffected by quick freeze or thawing conditions and will maintain their structural integrity.

? Where are your reinforced concrete enclosures produced?

Our reinforced concrete enclosures are produced in Madera, California; Medley, Florida; Houston, Texas; and Phoenix, AZ. Oldcastle Enclosure Solutions has 12 strategically located distribution centers across the United States and Canada, which also carry this product.



? What type of rock should I use at the base of the enclosure?

Crushed stone is best for proper seating of the enclosure and is a deterrent to rodents boring into the open space.

? What are your standard markings for steel lids?

Communications, Telephone, Fiber Optic, Broadband, CATV, Electric, Traffic, Street Lighting, Traffic Signal, Water, and Blank.

? Can I get replacement lids?

All Oldcastle Enclosure lids are sold separately. Please call customer service for any questions.

? Can I get special text on the lid?

Yes, please contact customer service for instructions on how to submit text and to get pricing.

? My question was not listed, who do I call?

Call us at 800-735-5566.



Oldcastle® Enclosure Solutions