

2011 IndyCar Track Safety Equipment and Manpower Requirements Baltimore GP

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Study

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Baltimore...Vehicle Definitions and Equipment Requirements

Below, you will find the definition, and equipment requirements, for all track response vehicles

Fire/Clean-up Truck...2

- 1) Responsibilities
 - a. Fire suppression, and protection
 - b. Driver stabilization when needed
 - c. Track clean-up
- 2) Staffing
 - a. Four firefighters
 - b. At least one of the fire fighters should be a paramedic
- 3) Equipment
 - a. On board water delivery system nice to have, but not necessary
 - b. Four, 2.5 gal pressurized water cans
 - i. One qt Cold Fire in eight qts of water
 - c. Two push brooms with wooden heads
 - d. One scoop shovel
 - e. Two five gal containers of oil dry
 - f. Two five gal metal containers for picking up debris
 - g. Two leaf blowers per truck (Optional)

Ambulance...3 on Track, 1 Care Center/Infield

- 1) Responsibilities
 - a. Transportation and treatment of injured racecar drivers, (Including crewmen, safety workers, and/or anyone working in an on track capacity)
- 2) Staffing
 - a. Minimum of two team members, with minimum EMT certification
 - b. At least one of these members must be a state certified paramedic
- 3) Equipment
 - a. Ambulance must be an Advanced Life Support certified ambulance, and equipped in compliance to the state certification requirements

Wreckers...4

- 1) Responsibilities
 - a. Racecar recovery
- 2) Staffing
 - a. Two team members
- 3) Equipment
 - a. Two winches
 - b. Two, 4 ft straps
 - c. Two, 6 ft Straps
 - d. Two motorcycle style wheel straps
- 4) IndyCar will provide
 - a. Boom extensions
 - b. Diapers

Baltimore...Pit Lane

Pit Lane

- 1) Responsibility
 - a) Fire stand-by, and suppression in pit lane
 - b) Assist with injured crewmen stabilization in pit lane
 - c) Assist with spilled fluid clean-up in pit lane

- 2) Manpower and Equipment Requirements
 - a) **Three (3) Local firefighters assigned as "Pit Boss"**. They will assume the unit numbers 96, 97, and 98, and will report to the two (2) Indy Car Series Pit Medics
 - b) **Practice and qualification day**-One (1) firefighter for every four (4) active pits, equipped with one 2.5 gal pressurized water can, 1 qt Cold Fire in 8 qts water
 - c) **Race day**-One (1) firefighter per each active pit, equipped with one 2.5 gal pressurized water can, 1 qt Cold Fire in 8 qts water
 - d) **Pit Med Cart**...Equipped with Advanced Life Support equipment
Staffed with one (1) paramedic, and one (1) EMT
Must have the ability to transport patients

***Practice and Qualification Days, 1 Cart Required**

***Race Day, 2 Carts Required**

 - e) Pit Fire Cart...Equipped with-2 Pressurized Water Cans with Cold Fire 1, 50 pound bag of Oil Dry 1, Diaper (Provided by the Indy car Series)
Staffed with 2 Firefighters

***Practice and Qualification Days, 1 Cart Required**

***Race Day, 2 Carts Required**

 - f) All event days, One (1) roving equipment cart equipped with:
 - 1) (8) 2.5 gal pressurized water cans with 1 qt Cold Fire in 8 qts water
 - 2) Four (4) push brooms with wooden heads
 - 3) Four (4) 40 lb to 50 lb bags of IRL approved oil dry
 - 4) Two (2) scoop shovels
 - 5) Two diapers
 - 6) Manned with two (2) firefighters

- 3) One (1) 55 gal barrel of water at each active pit. This barrel must be marked very clearly, **"WATER ONLY"**

- 4) One (1) 5 gal bucket of water at each active pit. This bucket must be marked very clearly, **"WATER ONLY"**

- 5) Pre designated clean-up equipment supply station, placed every eight (8) pits.
Equipment placed in the station area should include
 - 1) Four (4) 40 lb to 50 lb bags of IRL approved oil dry
 - 2) Two (2) push brooms with wooden heads
 - 3) One (1) diaper
 - 4) One (1) scoop shovel
 - 5) One (1) 2.5 gal pressurized water can with 2 qts Cold Fire in 8qts water

Baltimore...Track Repair Equipment and Material

Track Repair Equipment and Material (Indy Car Recommendations)

- Twelve – 3/4" cables 3 foot in length
- 150' – 3/4" cable on a spool
- 48 – Crosby Cable Clamps
- 4 – Fence posts with angle piece at top attached
- 4 – 4 foot fence post sleeves to replace damaged existing fence post. The ID of these posts should fit the OD of the damaged post as tightly as possible. This adds to the strength of the replacement post after it is welded in place
- Four – 15 foot guard rail sections with ends bolted on one end
- Four – 15 foot by 3 feet (1/4" thick) sections of boiler plate
- Four– 15 foot by ~ 6 foot fence panels (width determined by distance between each catch fence posts)
Patch materials should be consistent with permanent fencing
- 100 ft – roll of fence fabric

- For road and street courses, extra tire bundles should be on site and easily accessible
- Eight (8) pre-fabricated 3 packs and eight (8) pre-fabricated 5 packs
- Come-along, fence stretcher, 2 bolt cutters, 2 heavy duty side cuts, hammer, adjustable wrenches, port-a-power, battery operated reciprocating saw with extra blades and hammer drill, cutting torch and welder, and 2 to 4 men with sufficient knowledge and experience to make repairs to "Catch Fence/Cable Assembly"

Baltimore Development Corporation
Baltimore Grand Prix
 City Permit Fees

City Department	Permit	Fee	Notes
Department of Transportation	Banner Signs Over the Street	\$ 3,000.00	\$150 per banner per Permits Department; 20 banners assumed
Department of General Services	Special Event Permit	\$ 73.00	\$38 goes to BCFD, includes road and sidewalk closures All right-of-way work is included in Special Event Permit per General Services Unknown cost, but limited meters within area
	<ul style="list-style-type: none"> Road Barrier Construction Parking Meters 		
Housing and Community Development	Building Permits	\$ 20,460.00	Estimated based on discussion with Wendi Redfern at HCD and fee permits including Virgin Fest (est. \$20,000), and Artscape tent fees (\$2,000).
	<ul style="list-style-type: none"> Tents Grandstands Scarfolding Bridges & Enclosures Generators Public Assembly Fee 	\$ 2,000.00 \$ 8,000.00 \$ 200.00 \$ 200.00 \$ 10,000.00 \$ 60.00	\$20 per 500 SF with a max of \$800 per structure (20,000 SF); Assumes 100 20'X20' tents. (Artscape had 168 tents at a cost of \$2000) \$20 per 500 SF with a max of \$800 per structure (20,000 SF); Assumes 10 maximum fee grandstands at \$800 each. \$20 per 500 SF with a max of \$800 per structure (20,000 SF); Assumes up to 5,000 SF of scarfolding. \$20 per 500 SF with a max of \$800 per structure (20,000 SF); Assumes 5 bridges (10X100') 5 x \$40 each \$20 for each 5 kilowatts or fraction of 5 kilowatts of feeder capacity supplying the wiring. Assumes a total of 2500 kilowatts. HCD Public Assembly Fee of \$20 per day
Health Department	Noise Permit/Variance	No cost	Per BOPA
Fire Department	Inspection Fees	\$ 650.00	Per BCFD Fee covers all tents
	<ul style="list-style-type: none"> Tent Inspection Combustible Storage 	\$ 150.00 \$ 500.00	Per BCFD Fee covers all inspections
Department of Public Works	Fire Hydrant Use Permit	\$ 1,078.00	\$125 permit fee per hydrant; a \$22.65 usage fee per hydrant per day. 5 estimated per day.
Department of Recreation and Parks	Inner Harbor Permits	\$ 635.00	Permits for West Shore Park, McKeldin, and Rash Field; retainage may be required for WSP.
Total Estimated Permit Fees		\$ 47,006.00	
Recommended exclusions from the \$500,000 cap			
Baltimore Office of Promotion and The Arts	Banner Signs on Poles	\$ 30,000.00	\$120 per pole; 250 poles estimated
Health Department	Health Permit		\$50 per vendor per location
Liquor License (501)C3	Liquor Board Permit		Multiple permits depending on layout; \$75 per day