

Navigating Jurisdictional Safety Permits + Requirements



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SESSION AGENDA

1. Overview
2. DC Requirements
3. Maryland Requirements
4. Virginia Requirements
5. 5 Need to Knows

Navigating Jurisdictional Safety Permits + Requirements

Overview



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Primary Sources of Safety Regulations

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Jurisdictional Requirements



- Permits
- Certifications
- Enforcement

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Navigating Jurisdictional Safety Permits + Requirements

DC Requirements

- Department of Consumer & Regulatory Affairs (DCRA) Public Space Permit
- Approved Traffic Control / Trained Flaggers
- Covered Walkways
- Liquefied Petroleum Gases (Propane)
- Hot Work
- Operator's License
- Tower Crane
- Tower Cranes in Public Spaces
- Tower Cranes After Hours
- Controlled Blasting Permit



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Public Space Permit



WHAT + WHY

- Any time work is being completed in a public area

WHO

- General Contractor applies for general use
- Subcontractors will apply for task specific use

SPECIAL REQUIREMENTS / INSPECTIONS

- Need Traffic Control Plan Engineer's Stamp
- Approved traffic control plan
- DC will exclude holidays
- Special permit for any work above the metro
- Penalties – potential site shutdown and delays in getting new permits
- Contractor pulling permit is responsible for maintaining the public space

HOW + WHERE

- DDOT
- 1100 4th Street, SW (Kiosk)
- Can be completed [online](#)



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Approved Traffic Control Plan



WHAT + WHY

- To direct traffic safely around a jobsite, delivery or equipment such as a crane
- Proper design specifications
- Liability concerns

WHO

- Anyone intending to direct traffic around an area of a worksite
- Anyone directing traffic or people around moving equipment

SPECIAL REQUIREMENTS / INSPECTIONS

- DC approved Engineer creates the drawing and stamps it.
- Flagger and Traffic Control Technician Training must be provided by a recognized provider
 - ATSSA
 - Links to certified ATSSA providers here

HOW + WHERE

- DDOT
- 1100 4th Street, SW
 - Kiosk also available
 - Permit Fee varies based on duration
 - Fee for Parking Meter
 - Fee for Public Inconvenience.
 - Permit is valid for maximum of 6 months



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Covered Walkways



WHAT + WHY

- To protect pedestrians from falling or flying debris near construction sites.
- Needed within 15' of the work zone

HOW + WHERE

- DDOT Permit Office – Permitting Center
- 1100 4th Street, SW, 2nd Floor
- Between 8:30am and 4:15pm
- Apply Electronically at D.TOPS [here](#)

WHO

- General Contractor applies
 - As part of the Public Space Permit

SPECIAL REQUIREMENTS / INSPECTIONS

- Submit Design
- Design must be approved by an engineer
- Lighting plan must be approved by Master Electrician



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Liquefied Petroleum Gases (Propane)



WHAT + WHY

- Temp heating is useful for finishing interior work and pouring concrete.

HOW + WHERE

- DC Fire Marshall
 - 1100 4th Street SW, Suite E700
 - (202) 727-1614
 - 8:15am to 4:45pm M-F

WHO

- General Contractor Applies for general use such as heating
- For roofing/waterproofing, the subcontractor applies

SPECIAL REQUIREMENTS / INSPECTIONS

- Pulled by the contractor providing heat
- Plan must show area, amount to be used, and placement of signage and extinguishers.



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Hot Work



WHAT + WHY

- For any task that produces a spark
- Welding, burning, grinding

HOW + WHERE

- Fire and Emergency Medical Services Department
- 1100 4th Street
- \$150, but may vary
- Application forms can be found [here](#)

WHO

- The subs can get it individually
- The General Contractor can provide a hot work permit covering the entire site and all of its activities (means you won't be chasing subs down for theirs)

SPECIAL REQUIREMENTS / INSPECTIONS

- If the subcontractors are required to get their permits individually, they must have it available.
- If the GC gets a blanket permit, it must be on site.
- Need a site plan including types of hot work operation



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Operator's License



WHAT + WHY

- To obtain the knowledge to safely operate heavy equipment on site.

HOW + WHERE

- DCRA & Pearson VUE
 - (877) 543-5217
 - Details found on the ARROW

WHO

- Any worker (General Contractor and subcontractors) who will be working with equipment over 25hp

SPECIAL REQUIREMENTS / INSPECTIONS

- The certification is a lengthy process.
- The fee and exam is \$260
- The exam is in English only
- Must be taken at a Pearson VUE Center



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Tower Crane



WHAT + WHY

- Common piece of equipment at any major construction site.
- Speeds up movement of materials and pace of construction.

WHO

- Tower crane is typically pulled by the subcontractor

SPECIAL REQUIREMENTS / INSPECTIONS

- FAA Approval
- Copy of the Building Permit, 3 sets of plans including:
 - Site plan including location of crane
 - Swing area, pad design, specs and expected duration on site.
 - Signed by a structural engineer in DC

HOW + WHERE

- DCRA
 - 1100 4th Street St, SW
 - 2nd floor
 - Fee for this permit varies



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Tower Cranes in Public Spaces



WHAT + WHY

- If logistically, the tower crane cannot be placed on the site or inside of the building, it may need to be placed in a public space.

WHO

- The Subcontractor will pull this permit

SPECIAL REQUIREMENTS / INSPECTIONS

- A building permit is still required by DCRA
- Permit needs to be submitted to DDOT and DCRA
- Crane must be approved before the building permit
- Provide DDOT with issued building permit prior to public space permit

HOW + WHERE

- 1100 4th Street, SW



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Tower Cranes After Hours



WHAT + WHY

- This permit is required for delivery and assembly of tower crane that does not fall between hours of 7am-7pm on Monday through Saturday

HOW + WHERE

- DCRA Permit Center
- 1100 4th Street SW, Second Floor
- Monthly permit process

WHO

- Subcontractor will pull this permit

SPECIAL REQUIREMENTS / INSPECTIONS

- This permit is to be combined with the public space permit (if tower crane will be in public space) and the building permit application



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Controlled Blasting



WHAT + WHY

- This permit is required for any controlled blasting in the district.

HOW + WHERE

- Fire and Emergency Medical Services Department
- 1100 4th Street SW Suite E700
- (202) 727-1614
- Link is found [here](#)

WHO

- The sub that will be performing the blasting.

SPECIAL REQUIREMENTS / INSPECTIONS

- Vehicle inspections
- Planned travel routes through the District
- Verification of Qualification of subcontractor
- Escort through the District is required
- More continued on next slides...



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Controlled Blasting

- Complete DCRA Application for Construction on Private Property
- Complete permit applications and submit in person at the DC Fire Marshal's Office
- Vehicle safety inspection performed by the DC Fire Marshall
- Written documentation explaining type and quantity of explosives, location and route of transportation through the district
- Federal and State licenses that qualify the applicant to handle and use explosives

Permitted explosives will be escorted by the Authority Having Jurisdiction from the DC border to the site on the approved route

Permits are valid for 45 days and must be renewed within 72 hours of expiring



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Navigating Jurisdictional Safety Permits + Requirements

Maryland Requirements

- Public Space Permit
- Approved Traffic Control Plan
- Liquefied Petroleum Gases (Propane)
- Crane Certification
- Tower Cranes
- Rigging
- Maryland Department of the Environment (MDE) Responsible Personnel Certification Course
- Erosion and Sediment Control



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Public Space Permit



WHAT + WHY

- Permits are based out of city and county
- Needed any time work is being completed in a public area

HOW + WHERE

- Look up county or city website or use service such as ACCUPERMIT
- Ask Safety Manager

WHO

- For both Subcontract and General Contractor

SPECIAL REQUIREMENTS / INSPECTIONS

- Approved Traffic Control Plan
- Ensure that the permit doesn't expire while the area is still needed
- Penalties include fines and potential site shutdown



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Approved Traffic Control Plan



WHAT + WHY

- To direct traffic safely around a jobsite, delivery or equipment such as a crane
- Proper design specifications
- Liability concerns

HOW + WHERE

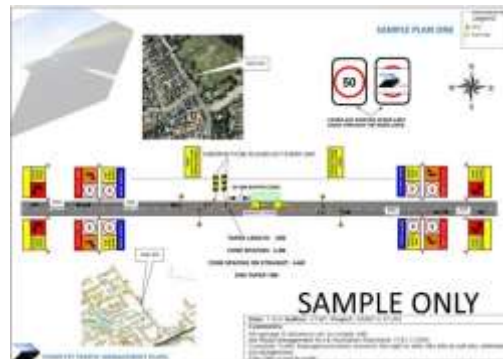
- This is county and city based in Maryland
- Certain jurisdictions do not require site specific traffic control plans. Temporary ones can be found.
- Montgomery County's is available [here](#)
- Bethesda requires a Site Specific Plan ([here](#))

WHO

- Subcontractor or General Contractor can both pull this permit
- The jurisdiction will create the traffic control plan based on the needs of the construction site

SPECIAL REQUIREMENTS / INSPECTIONS

- The flagger course is state specific
- Flagger and Traffic Control Technician Training by a recognized organization is required. Certification with a card is required.



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Liquefied Petroleum Gases (Propane)



WHAT + WHY

- Used for temporary heating of building for finishes and concrete pours

HOW + WHERE

- Ensure that storage area is protected from potential damage from vehicles
- All containers shall be marked to identify their content
- Containers may NOT be stored in the building

WHO

- Storage location is based on quantity
- 500 lbs or less – 0 feet
- 501-6,000 lbs – 10 feet
- 6,001-10,000 lbs – 20 feet
- Over 10,000 lbs – 25 feet

SPECIAL REQUIREMENTS / INSPECTIONS

- Plan must show the area being used for storage and distance from buildings
- Signage (Danger: No Smoking, Propane etc.)
- Amount of propane on site
- Extinguishers



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Crane Certification



WHAT + WHY

- Cranes are common equipment to be found on site. The operators, riggers and signalmen using them must all be certified.

HOW + WHERE

- Certification is good for 5 years and operator certification is obtained through NCCCO or Crane Institute or an audited company in house training program
- NCCCO website [here](#)

WHO

- Applies to cranes with a capacity of 2000lbs or more
- Must be at least 18 years of age
- Pass a physical evaluation
- Pass written exam
- Pass practical exam within 12 months of written exam

SPECIAL REQUIREMENTS / INSPECTIONS

- Subs are to provide a copy of the crane plan, rigging, and certifications of workers
- Operator certifications include mobile crane, tower crane, boom truck, overhead crane, dedicated pile driver, rigger, signalperson, inspector and others



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Tower Cranes



WHAT + WHY

- Common piece of equipment at any major construction site.
- Speeds up movement of materials and pace of construction.

HOW + WHERE

- Local requirements (county and city)
- Contact your Safety Manager if you need help

WHO

- The subcontractor usually pulls the permit

SPECIAL REQUIREMENTS / INSPECTIONS

- FAA Approval
- Site plan indicating location on site, crane swing radius and jib elevation
- Foundation design certified by a professional structural engineer registered in MD
- If the crane is to be erected within the building, the foundation and elevated slab penetration design must be reviewed and approved by a structural engineer of record
- Operator must be certified by NCCCO or equal

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Rigging



WHAT + WHY

- Having a certified Rigger could mean the difference between a flawless and a disastrous and potentially fatal pick.

HOW + WHERE

- NCCCO, Crane Institute
- Audited company equivalent program is also acceptable.

WHO

- Any worker that will be preparing a load for a pick should be certified.
- Needed to comply with MOSH

SPECIAL REQUIREMENTS / INSPECTIONS

- Level 1 – Basic understanding of equipment, hand signals operation, limits and inspection
- Level 2 – Understanding of the crane/boom deflection, knowledge of blind lifts, rigging hitches and knots, synthetic ropes and slings, ground conditions, crane and equipment operations
- Master Rigger – Knowledge of cranes and equipment travel with suspended load, hoisting and lifting personnel, erecting, dismantling, jumping and reconfiguring cranes, multiple crane lifts, load indicating devices, angles of rigging

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MDE Responsible Personnel Certification Course



WHAT + WHY

- Formerly known as the Maryland Green Card
- For "Responsible Person" tasked with implementing and maintaining erosion and sediment controls as required by State Law

HOW + WHERE

- Maryland Department of the Environment ([here](#))
- All of the individual Jurisdictional numbers are located [here](#)
- Manual for permit requirements and fees is located [here](#)

WHO

- Any worker tasked with being the "Responsible Person"
- Project Team should consider getting certified as well
- Free to take

SPECIAL REQUIREMENTS / INSPECTIONS

- Can be completed online
- Takes approximately 4-5 hours to take and does not need to be completed in one sitting
- All previously issued "Green Cards" are not valid as of December 31, 2016



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Erosion + Sediment Control



WHAT + WHY

- Comply with jurisdictional requirements and state requirements

HOW + WHERE

- GC or any sub that will disturb soil
- Must have a certified person on site when soil is disturbed

WHO

- Surface drainage must be channeled using diversion or dikes of stone or sandbags
- Stream crossings shall be constructed in accordance with MDE Guidelines
- Groundwater that is pumped shall be discharged through an approved dewatering device

SPECIAL REQUIREMENTS / INSPECTIONS

- 3 phases of plan development
 - Concept plan
 - Site development plan
 - Final plan
- Permits should be submitted to the jurisdictional office.



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Navigating Jurisdictional Safety Permits + Requirements

Virginia Requirements

- Approved Traffic Control Plan
- Equipment Spotters
- Work Zone Traffic Control Certification
- Liquefied Petroleum Gases (Propane)
- Erosion and Sediment Control/ Responsible Land Disturber
- VDOT ESCCC
- Cranes and Banners
- Controlled Blasting



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Approved Traffic Control Plan

WHAT + WHY

- Enforced by VDOT
- Must meet proper design specifications
- To protect from liability concerns

WHO

- GC or subcontractor will pull this permit
- Certified flaggers are required for the traffic control plan

SPECIAL REQUIREMENTS / INSPECTIONS

- A drawing will be required showing the location of the work and equipment, with a maintenance of traffic plan.
- Maintenance of Traffic Plan must be specific to the work described on the associated permit application.
- Must address the safe travel of pedestrian traffic through and around the work area

HOW + WHERE

- VDOT website [here](#)
- Within the state there are individual jurisdictional requirements and permits that have to be filled
- Find your local office [here](#)



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Work Zone Traffic Control Certification

WHAT + WHY

- Control of the public through temporary traffic control zones are a normal part of construction
- Essential to plan for the needs of all road users including motorists, bicyclists and pedestrians

WHO

- Any personnel directly involved in developing and/or implementing the work zone traffic control
- There must be a "Basic Level" person on site, which can be from the subcontractor

SPECIAL REQUIREMENTS / INSPECTIONS

- Basic – One day maintenance base course for placement of work zone traffic control devices.
- Intermediate – 2 day inspection base course for personnel involved in maintenance of traffic coordination on projects and/or responsibility for the development of work zone safety policies and procedures
- Advanced – 2 day roadway design base course for the roadway/bridge

HOW + WHERE

- VDOT Everything you need [here](#)
- List of Sponsors and Providers [here](#)
- ATSSA website for registration [here](#)
- Virginia Center for Transportation Studies [here](#)
- VDOT Fact Sheet [here](#)



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Equipment Spotters

WHAT + WHY

- Local Requirement through VOSH
- Prevents equipment from unintentionally backing over workers/pedestrians
- Used to aid moving equipment with blind spots

WHO

- [VOSH Website](#)
- [VA Department of Labor](#)
- [OSHA Explanation](#)
- VOSH Safety Director, Virginia Department of Labor and Industry
 - 13 South 13th Street, Richmond, VA, 23219

SPECIAL REQUIREMENTS / INSPECTIONS

- No vehicle may operate in reverse unless:
- It has a reverse signal that is audible above all surrounding sounds AND a designated observer signals it is safe to back up OR Before operating the vehicle, the operator ensures there are no workers located around and behind the vehicle

HOW + WHERE

- Any spotter that aids moving equipment with blind spots



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Liquefied Petroleum Gases (Propane)

WHAT + WHY

- Propane is often used for temporary heating in the winter months for both finishes and helping concrete cure

WHO

- Any jobsite requiring temporary heating or will be storing propane tanks on site
- Also used for storage and separation of acetylene and oxygen

SPECIAL REQUIREMENTS / INSPECTIONS

- Type of LP gas, size and type of containers/tanks and the total quantity that is to be stored.
- Site plan showing the proposed location for the storage area.
- In some jurisdictions an on-site inspection must be completed in order for a permit to be issued.

HOW + WHERE

- This is county based within Virginia
- Find your local office [here](#)



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Erosion + Sediment Control Responsible Land Disturber

WHAT + WHY

- To help prevent the destruction of property and natural resources caused by soil erosion, sedimentation and nonagricultural runoff from regulated "land-disturbing activities"
- Erosion caused by excessive water is one of the most severe types of erosion in developing areas

WHO

- Needed for any land disturbance of 10,000ft or more
- Land disturbing subcontractor will place controls

SPECIAL REQUIREMENTS / INSPECTIONS

- Must have certified person on site when land disturbance takes place

HOW + WHERE

- Virginia Department of Environmental Quality
- Commonwealth of Virginia Learning Center [online](#)
- Study materials and 40 minute test online [here](#)
- \$115 Fee for exam and good for 3 years



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VDOT Erosion + Sediment Control Contractor Certification



WHAT + WHY

- To help prevent the destruction of property and natural resources caused by soil erosion, sedimentation and nonagricultural runoff from regulated "land-disturbing activities"
- Erosion caused by excessive water is one of the most severe types of erosion in developing areas

HOW + WHERE

- Department of Environmental Quality [website](#), and then go to the Virginia Learning Center [here](#)
- \$245 fee

WHO

- Must have certified person on site when land disturbance takes place in VDOT Right of Way.
- Land disturbing subcontractor will place controls

SPECIAL REQUIREMENTS / INSPECTIONS

- Erosion and sediment control should be immediately applied to site before any land disturbance takes place
- Permanent and temporary soil stabilization should be addressed within 7 days when site is at final grade and if the site will remain dormant for more than 14 days



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Cranes and Banners



WHAT + WHY

- Local requirements
- FAA Permit/Approval
- Banner Content must be approved on Crane

HOW + WHERE

- Include the use of a banner as part of the Tower Crane permit submittal
- There is an additional fee

WHO

- Owner of the tower crane

SPECIAL REQUIREMENTS / INSPECTIONS

- Banner must be in accord with manufacturer's specifications or a Registered Professional Engineer must approve the size and location



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Controlled Blasting

WHAT + WHY

- Proper blasting procedures must be established so demolition can take place safely

WHO

- Subcontractor will apply for all permits based on information that GC provides

SPECIAL REQUIREMENTS / INSPECTIONS

- Some counties have their own forms to be filed in addition to state forms
- Insurance for blasting is required
- Site drawing showing location of blasting sites
- GPS should be used to pinpoint exact location
- Large sites may be divided into zones and designated for daily reporting requirements.

HOW + WHERE

- State of Virginia controls permitting through the State Fire Marshal's Office [here](#)
- Fees vary based on jurisdiction
- State permits cost \$250 in addition to local permit



Keeping Up With Permits

- Permits must be applied for well in advance to allow for processing time
- If permits need to be extended, they must be submitted early so there is no lapse
- Allowing a permit to lapse can cause:
 - Fines
 - Construction delays
 - Shutdowns
 - Delays in getting a new permit

Navigating Jurisdictional Safety Permits + Requirements

Questions?



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