

York County Engineering Department Roadway Inspection Requirements

The following is a list, in order, of the roadway inspections that are required to be passed by York County before a subdivision can receive Final Plat.

Local Road

- ☐ Curb/Sidewalk (where applicable)
- ☐ Subgrade (proof roll)
- ☐ Stone (proof roll)
- ☐ Base Course Compaction Proof Roll
- ☐ Intermediate Course Core
- ☐ Surface Course (first lift) Final

Commercial Road

- ☐ Curb/Sidewalk (where applicable)
- ☐ Subgrade (proof roll)
- ☐ Stone (proof roll)
- ☐ Base Course Compaction Proof Roll
- ☐ Intermediate Course Core
- ☐ Intermediate Course Final

In addition to the above inspections, you also have to schedule and pass the surface course pre-inspection and the surface course final.

Inspection times are 9am, 11am and 1pm Monday through Friday. **Final** inspections must be scheduled at 10am or 1pm only. Inspections must be scheduled at least 24 hours prior to the inspection time and all inspections must be cancelled by contacting the inspector at least one hour before the scheduled inspection time. If inspections are not cancelled at least one hour before scheduled inspection times, you will be charged a re-inspection fee.

***Contact the Engineering Department at 803-684-8571
for inspector name and number.***

The following is specific requirements and standards for inspections on roadways. This information can also be found in the York County Subdivision Ordinance that can be accessed through our website at www.yorkcountygov.com. You can find the subdivision ordinance by following these steps:

1. Click on the York County Council link located on the home page
2. Click on the link that says "York County Ordinances"

3. Click on the link that says "American Legal Publishing Website"
4. Click on the title that says "Title XV: Land Usage"
5. Click on the link that says "154: Subdivision Code"
6. The roadway inspection information is located in section 154.095. (Attached is a copy of this ordinance.) You may also find information about the warranty process located in section 154.126.

*** If you have additional questions, please contact Dean Hendrix at 803-818-5764.**

"§ 154.095 ROAD INSPECTIONS.

(A) *Generally.* Any roadway construction projects within York County, whether the roadway(s) is to be private or public, shall be inspected by a representative of York County during all phases of construction.

(B) *Requirements for scheduling an inspection.* Before any inspection of roadways may be scheduled, the York County engineering department shall have in their possession the following documentation:

- (1) Preliminary plat approval from the York County Planning Commission;
- (2) Subdivision construction plan approval from county staff;
- (3) Proof that grading permit has been obtained;
- (4) Written verification on file that the developer has received, read and understands the York County road specifications; and
- (5) A subgrade certification letter indicating the roads were installed in accordance with the approved preliminary plat (see Appendix, § 17).
- (6) Letter or report from an independent county-approved Geotechnical Engineer/Testing Laboratory (ITL) documenting the following:
 - (a) The location of any existing wet, marginal, or unsuitable soils within the road right-of-way that were either undercut and replaced, scarified to dry and re-compacted, properly bridged with a stabilization fabric, or stabilized with lime and/or cement or some other acceptable process; and
 - (b) In areas requiring fill material, suitable roadway fill material has been used and placed in accordance with York County and SCDOT procedures and compaction specifications. SCDOT standards for subgrade construction requirements are specified in Section 208 of the SCDOT Standard Specifications for Highway Construction (latest edition). Independent county-approved Geotechnical Engineer/Testing Laboratory (ITL) is to be hired by the developer/contractor at no expense to York County.

(C) *Scheduling inspections.* York County requires 24 hours notice for the performance of an inspection. Inspections can be scheduled between the hours of 8:00 a.m. and 5:00 p.m. Monday through Friday.

(D) *Types of inspections.*

(1) *Subgrade compaction proof roll.*

(a) At a minimum, the project engineer, grading contractor, paving contractor (or their designee) and a representative from York County engineering department shall be present during this inspection. The developer/contractor may have an independent county-approved Geotechnical Engineer/Testing Laboratory (ITL) present during the subgrade inspection to offer options to correct failure areas.

(b) A tandem dump truck shall be furnished by the developer/contractor with no less than 15 tons of stone accompanied by an acceptable load ticket. This truck will be utilized during the proof roll to determine if any sections of the roadway do not meet construction standards. Trucks with less than 15 tons of material cannot be used to perform this proof roll.

(c) The alignment and construction of the road, the crown, widths, slopes, curb and gutter, sidewalks, roadside ditches and drainage easements are inspected.

(d) Any special requirements for the roadway subgrade, drainage ditches, crosslines, utility construction, berms, erosion control measures and items as specified by the County Engineer will be inspected.

(e) Should off-site borrow material be required, the off-site borrow material and source shall be approved for suitability by York County. All compaction shall meet the minimum SCDOT standards as specified in Section 208 Standards Specification for Highway Construction (latest edition).

(f) All water and sewer utilities and utility lines/conduits of other utility providers (electric, telephone, natural gas and cable TV) shall be installed prior to scheduling a subgrade proof roll.

(g) York County reserves the right to request an independent Geotechnical Engineer/Testing Laboratory (ITL), hired by the developer at no cost to York County, perform tests and inspections as required by York County.

(h) A preliminary seeding and mulching inspection will be performed during this phase of construction. Temporary seeding shall have begun.

(i) Erosion control measures will be inspected.

(2) *Curb and sidewalk subgrade inspection.*

(a) At a minimum, the project engineer, grading contractor (or their designee), and a representative from York County engineering department shall be present during this inspection. The developer/contractor may have an independent county-approved Geotechnical Engineer/Testing Laboratory (ITL) present during the subgrade inspection to offer options to correct failure areas.

(b) Prior to inspection, contractor shall have either centerline of road or back of curb staked so that exact curb and sidewalk location can be determined.

(c) York County inspector will conduct random probes of curb and sidewalk subgrade to verify adequate compaction.

(d) Curb and sidewalk subgrade shall be at required alignment and elevation. If additional material is required to level subgrade or bring it to proper elevation, a re-inspection is required before construction can proceed.

(e) If sidewalk is to be constructed at a separate time from the curb, sidewalk subgrade inspections can be conducted at a later date or during any scheduled inspection prior to final inspection of asphalt surface course.

(3) Aggregate base course stone depth check.

(a) At a minimum, the project engineer, grading contractor (or their designee), paving contractor (or their designee), and a representative from York County engineering department shall be present during this inspection.

(b) Contractor shall provide adequate work force and equipment, at no cost to York County, to dig test holes for conducting a stone depth check throughout the entire length of all roads. A minimum of three test holes will be required per each test cross sections (centerline and at one foot from the edge of both sides of road) at a maximum of 250 foot intervals. Stone depths shall be no less than ½ inch less than the minimum requirements. Areas that do not meet these minimum depths shall be brought into compliance with either the required additional depth of stone or by increasing the thickness of the asphalt binder course by an equivalent amount. If additional stone is placed, a re-inspection of the stone depth in the failure areas will be required.

(c) On roadways with curb and gutter, the depth of the aggregate base course will be determined by comparing measurements taken before and after the placement of the base course. Measurements will be taken at the following:

1. Along the face of the concrete gutter on both sides of the roadway; and
2. At the centerline from a string line stretched from back of curb on both sides of the road. These measurement checks will be conducted as part of the subgrade and aggregate base course compaction proof roll inspections.

(4) Aggregate base course compaction proof roll.

(a) At a minimum, the project engineer, grading contractor (or their designee), paving contractor (or their designee), and a representative from York County engineering department shall be present during this inspection.

(b) A tandem dump truck shall be furnished by the developer/contractor with no less than 15 tons of stone accompanied by an acceptable load ticket. This truck will be utilized during the proof roll to determine if any sections of the roadway do not meet construction standards. Trucks with less than 15 tons of material cannot be used to perform this proof roll.

(c) Width of stone, shoulder-construction, cross line culverts, driveway culvert (if applicable), roadway crown, and ditch slopes will be inspected to ensure they are in place according to the approved subdivision construction plan.

(d) Erosion control measures will be inspected to ensure they are in place and in good working condition.

(e) The establishment of seeding shall be in place at this time on all areas except for shoulders.

(f) All stone tickets, properly labeled with road name, subdivision and contractor with cumulative totals shall be submitted to the York County inspector at aggregate base course compaction inspection.

(g) The aggregate base course compaction shall meet the minimum SCDOT standards as specified in Section 305 of the SCDOT Standards Specification for Highway Construction (latest edition).

(h) York County reserves the right to request an independent Geotechnical Engineer/Testing Laboratory (ITL) hired by the developer at no cost to York County, perform tests and inspections as requested by York County.

(i) All underground utilities that are to be placed within the road rights-of-way shall be installed prior to the approval of the aggregate base course proof roll.

(5) *Asphalt intermediate course core depth inspection.*

(a) York County shall be notified at least 24 hours prior to the placement of any asphalt material.

(b) At a minimum, the paving contractor (or their designee), and a representative from York County engineering department shall be present during this inspection.

(c) Developer/contractor shall supply York County with asphalt cores for all streets at no expense to York County. A minimum of three cores shall be required for each street of 800 feet or less and one core for each additional 500 feet. Asphalt depths shall be no less than ¼ inch average per core less than the minimum requirement. Additional cores may be taken to determine the extent of the area that does not meet these minimum depths. Areas that do not meet these minimum depths shall be dealt with on a case-by-case basis. The York County inspector shall determine locations for these cores at the time of this inspection. Actual cores will be retained by the York County Engineering Department for future reference, if required. Core holes are to be patched by the contractor immediately following the inspection. If the contractor does not have asphalt for patching available onsite at the time of the inspection, the inspection will be cancelled and the contractor charged with a re-inspection fee for rescheduling (see § 154.111 (F)).

(6) *Asphalt intermediate course final inspection.*

(a) At a minimum, the paving contractor (or their designee) and a representative from York County engineering department shall be present during this inspection.

(b) Condition of asphalt including the type and width will be inspected.

(c) Erosion control measures will be inspected to ensure they are in place and in good working condition.

(d) All asphalt tickets, properly labeled with road name, subdivision and contractor, with cumulative totals shall be submitted to the York County inspector at binder course inspection.

(e) An asphalt material testing sheet will be required for each project or development, as a minimum of one test shall be performed for every 500 tons of asphalt placed on the job.

(f) All ditch lines and back slopes shall have a permanent vegetative cover established (see § 154.055).

(g) Overall inspection of curb and gutter, shoulder and ditch work, and/or stormwater facilities will be performed.

(h) Inspector verifies that stormwater/drainage easements are in correct location according to the approved subdivision construction plan.

(i) York County reserves the right to request an independent Geotechnical Engineer/Testing Laboratory (ITL), hired by the developer at no cost to York County, perform tests and inspections.

(7) Asphalt surface course core depth inspection.

(a) York County shall be notified at least 24 hours prior to placement of any asphalt material.

(b) At a minimum, developer (or their designee), the paving contractor (or their designee), and a representative from York County engineering department shall be present during this inspection.

(c) Developer or contractor shall supply York County with asphalt cores for all streets at no expense to York County. A minimum of three cores shall be required for each street of 800 feet or less and one core for each additional 500 feet. Asphalt depths shall be no less than ¼ inch average per core less than the minimum requirement. Additional cores may be taken to determine the extent of the area that does not meet these minimum depths. Areas that do not meet these minimum depths shall be dealt with on a case-by-case basis. The York County inspector shall determine locations for these cores at the time of this inspection. Actual cores will be retained by the York County engineering department for future reference, if required. Core holes are to be patched by the contractor immediately following the inspection. If the contractor does not have asphalt for patching available onsite at the time of the inspection, the inspection will be cancelled and the contractor charged with a re-inspection fee for rescheduling (see § 154.111 (F)).

(8) Asphalt surface course final inspection.

(a) Asphalt surface course shall be placed within 30 days after the placement of the Asphalt intermediate course. Extension of the 30 day period can be requested by the developer. The Engineering Department will approve extensions on a case by case basis.

(b) At a minimum, the paving contractor (or their designee) and a representative from York County engineering department shall be present during this inspection.

(c) Condition of asphalt including the type and width will be inspected.

(d) Erosion control measures will be inspected to ensure they are in place and in good working condition.

(e) All asphalt tickets, properly labeled with road name, subdivision and contractor, with cumulative totals shall be submitted to the York County inspector at surface course inspection.

(f) An asphalt material testing sheet will be required for each project or development, as a minimum of one test shall be performed for every 500 tons of asphalt placed on the job.

(g) All ditch lines and back slopes shall have a permanent vegetative cover established (see § 154.055).

(h) Overall inspection of curb and gutter, shoulder and ditch work, and/or stormwater facilities will be performed.

(i) Inspector verifies that stormwater/drainage easements are in correct location according to the approved subdivision construction plan.

(j) York County reserves the right to request an independent Geotechnical Engineer/Testing Laboratory (ITL), hired by the developer at no cost to York County, perform tests and inspections.

(9) *Warranty inspection of asphalt surface course.*

(a) At a minimum, developer (or their designee) and a representative from York County engineering department shall be present during this inspection.

(b) Inspection to be conducted at approximately 23 months following the approval of the asphalt surface course first lift final inspection.

(c) Overall inspection of curb and gutter, shoulder and ditch work, seeding and/or stormwater facilities will be performed to verify that any deficiencies identified in the previous warranty inspection have been made and that no new failures have occurred.

(d) Overall inspection of the asphalt surface course will be performed to identify any failures or deficiencies needing to be repaired prior to final acceptance of the roadway.

(e) If failures or deficiencies are identified, a follow up inspection will be conducted to verify that all required repairs were made to the asphalt surface course. Upon approval, the asphalt surface course can be tacked and the final asphalt surface course paved.

(10) *Random inspections.*

(a) York County reserves the right to conduct random onsite inspections during any phase of construction. At a minimum, construction procedures and materials will be observed for their compliance with the approved subdivision construction plan and York County standards and specifications. In addition, issues such as traffic control, stormwater management, and overall public safety and property protection will be reviewed.

(b) York County reserves the right to conduct random asphalt plant inspections in accordance with the SCDOT Standard Specifications for Highway Construction (latest edition). These inspections will be conducted to verify job mix and to inspect overall plant operations and materials storage.

(c) York County reserves the right to request an independent Geotechnical Engineer/Testing Laboratory (ITL), hired by the developer at no cost to York County, perform tests and inspections.

(E) *Re-inspections.* York County requires 48 hours notification for all re-inspections. Re-inspections required as a result of failed inspections will constitute a re-inspection fee for each occurrence. This fee accumulates and shall be paid, to the engineering department, prior to receiving final plat approval (see Appendix, § 1). Should re-inspections be a direct result of unexpected weather related conditions, re-inspection fees may be waived at the discretion of the county engineer. A contractor, who does not comply with the findings of an inspection and proceeds to the next phase of construction without making the necessary repairs and calling for a re-inspection, will be required, at a minimum, to remove the new work in the area of the previous inspection failure, so that proper repairs can be made. If this action requires the cutting of the final asphalt surface course to make repairs, York County reserves the right to require the contractor to resurface the entire length of the roadway, or a portion of the road sufficient in length to avoid the appearance of patchwork. York County will suspend all future inspections on the project until such time as the project is brought back into compliance. These penalties will also apply when a contractor proceeds to the next phase of construction without calling for re-inspection of the subgrade or aggregate base course compaction whenever substantial rainfall occurs after an approved inspection.

(F) *Canceling an inspection.* Inspections may be canceled one hour before the scheduled inspection and may be re-scheduled with the required notice. NOTE: Re-inspection fees do not apply to “properly” canceled inspections.

(G) *Weather restrictions.* Plant mix base/binder courses may be placed throughout the year as long as the roadway is properly prepared and the temperature is at least 40 degrees and rising for three consecutive days or proof not frozen.

(H) *Additional weather issues.* York County reserves the right to deny inspection requests should approaching weather threaten to damage the integrity of work to be inspected. York County reserves the right to perform a re-inspection of the subgrade or stone compaction whenever substantial rainfall occurs after an approved inspection.