

1070000 LITTER REMOVAL AND MOWING  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Miseroy, JC  
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Comment: (9-18-12, Internal)

I want to discuss performance turf at the HFT team meeting. I feel we spend too much money on sod and mowing. I suggest the vegetation be maintained between 6 and 18 inches. In the summer the grass will grow 6" a week.

**107-2.1 Frequency:** *Begin litter removal in conjunction with the beginning of the project and continue per the frequency shown in the pPlans unless otherwise directed by the Engineer. Begin mowing when directed by the Engineer and continue per the frequency in the pPlans unless otherwise directed by the Engineer. ~~Begin litter removal and mowing when directed by the Engineer. Continue litter removal and mowing~~<sup>[1r31]</sup> Continue per the mowing frequency stated in the plans unless directed otherwise by the Engineer* until final acceptance in accordance with 5-11. Mow all areas to obtain a uniform height of 6 inches. After final acceptance, perform litter removal and mowing until new turf is established in accordance with 570-4 at no cost to the Department. Maintain turf and vegetation height between 6 *inches and 12- inches*. Do not include seed stalk or wildflowers when measuring height.

*Response: Until final acceptance, the turf is maintained at a minimum height of six inches and the maximum height is based on frequency of mowing at 15 day increments (typically 30 days). After final acceptance it is maintained between 6 and 12 inches but no mowing is required if the turf is established. No change made.*

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Scott, Eddy  
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Comment: (9-27-12)

With regards to 107-1 my suggestion that some sort of limits for mowing be added back in. District 2 has had a real problem with this in the past. Also I don't see what the reference back to 580 with regards to not mowing landscaped areas gets us. We don't ever want any landscaped areas mowed whether "identified in the plans as landscaping in accordance with section 580" or not. On the other hand I can see the difference for litter The Landscape contractor performs litter removal under 580 within the landscaped areas, however if there is no Landscape work we still want litter removal within the landscaped areas. Also note I've added the term "wooded" to designate those areas of natural vegetation that are not meant to be mowed. Suggest changing the first paragraph beginning with 4<sup>th</sup> sentence to read: Mow turf or vegetation within the project limits as follows unless otherwise shown in the plans. Mow from outside edge of travel way to the right of way line. Include the median from inside edge of travel way to inside edge of travel way on divided highways. Exclude any wooded or landscaped areas.

*Response: The limits of mowing are defined in the definition of turf and vegetation in the second paragraph of Section 107-1. The Spec is being clarified to say that new landscaping is covered*

*under 580 but existing landscaping is handled under 107 or 7-11 preservation of property.*

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Unknown

Comment: (9-27-12)

Litter pick-up is not limited to the grass areas only. Why are we trying to indicate that it is?

*Response: The only exclusions for litter pickup in Section 107-1 are inaccessible areas and landscaping. All other areas except the travel lanes would require litter pickup. No change made.*

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Marshall Dougherty  
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Comment: (10-1-12)

I would like to suggest a reorganization of the proposed Description article to better group the two topic areas. It doesn't eliminate any of the proposed language, just makes it flow more easily and makes for a better understanding. My suggestion is as follows:

107-1 Description.

Provide pickup, removal and disposal of litter within the project limits from outside edge of travel way to the right of way line. Include the median, on divided highways, from inside edge of travel way to inside edge of travel way. Litter includes, but is not limited to, bottles, cans, paper, tires, tire pieces, lumber, vehicle parts, metal junk, and brush debris. Exclude any inaccessible areas and areas identified in the plans as landscaping in accordance with Section 580.

Mow turf or vegetation within the project limits. Turf consists of grasses planted in accordance with Section 570. Vegetation consists of planted and natural grasses, weeds, and other natural vegetation that have been previously mowed. Exclude any areas identified in the plans as landscaping in accordance with Section 580.

Thank you for the opportunity to offer comment on the proposed change.

*Response: Agree. Change made.*

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Missy Hollis

Comment: (10-3-12)

Text: **Bulletin** (Estimates and/or Roadway) needed to inform designer of revised areas for calculations. **Update PPM and BOE.**

*Response: Need for Bulletin and updates will be reviewed.*

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Pat McCann

Comment: (10-23-12)

D4 Construction has the following comments: **1.** First sentence, suggest deleting the revised text. After the term “project limits” add “from right of way line to right of way line or within areas

designated in the plans.”

Response: *No changes made.*

Reasons: 1. the revision does not address liter pickup on the roadway itself. This is important especially on Interstate and other high speed facilities.

Response: *The Specification addresses routine litter pickup and is not intended to address isolated incidents of debris in the roadway itself. Debris removal from the roadway is a maintenance function and should be handled by the District Maintenance Office. The revised language clarifies that litter pickup from the shoulders is included since most litter in the roadway is moved to the shoulder by traffic*

. 2. We have projects such as sidewalk projects on A-1-A on one side of the roadway. All work is on one side of the roadway. We don't expect the contractor to maintain the non-work side.

Response: *The Contractor would be expected to maintain the non-work side if it is within the project limits. For short duration or small footprint projects, consider not including mowing and litter removal in the project*

.3. When the project includes interstate interchanges, where there's no work on the ramps, the infield areas can confuse the issue.

Response: *If the infield areas are within the project limits, the revised language requires the Contractor to provide litter pickup. No change made.*

2. Second sentence, delete the words “inaccessible areas and” as this term will be subject to debate

Response: *Inaccessible is what a reasonable person would determine to be inaccessible i.e. ponds, swamps, thickly wooded areas, etc No change made..*

3. If you agree with No. 2 then you can delete the fourth sentence as it's a repeat of No. 2.

Response: *No change made.*

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Woerner, Bert

Comment: (10-24-12)

107-1 First paragraph, Recommend changing the language to read “Provide pickup, removal and disposal of litter within the project limits from right of way line to right of way line including medians if present.”

Response: *Right of way line to right of way line would include travel ways which is the exact area the proposed language is seeking to avoid. Contractors should not be picking up litter in the travel lanes. Debris removal from the travel lanes is a maintenance function and should be handled by the District Maintenance Office. No change made.*

107-1 First paragraph, Need to define what “inaccessible” means.

Response: *Inaccessible is what a reasonable person would determine to be inaccessible i.e. ponds, swamps, thickly wooded areas, etc. No change made.*

Litter should be required to be removed no matter where it is if it is in the right of way and

within the construction limits.

*Response: Agreed, but litter removal within the travel way is a maintenance function and should be handled by the District Maintenance Office. No change made.*

**107-1** Second paragraph, Should also include the litter definition for a hazard: “A hazard is defined as fallen trees, landscaping timbers, tires, tire pieces, concrete/asphalt debris, lumber, building materials, furniture, household items, vehicle parts, metal junk or similar items that are in the clear zone and greater than 1 s/f in area, greater than 6 inches in length or rigid protrusions above the ground in excess of 4 inches in height.”

*Response: Removal of hazards is a maintenance function and should be handled by the District Maintenance Office. No change made.*

**107-1** Second paragraph, last sentence should read “Vegetation ~~consist~~*consists* of planted and natural grasses, weeds, and other natural vegetation located within the normal mowing limits.

*Response: Agree, change made.*

It also does not specify removal of dead animals.

*Response: Removal of dead animals is a maintenance function and should be handled by the District Maintenance Office. No Change Made.*

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