

### III.C. Subgrade Checklist

C-R-S:	PID:	Reviewer:	Date:
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If you do not have any subgrade work on the project, you do not have to fill out this checklist.

Y N X 1	Has the subsurface investigation adequately characterized the soil or rock according to <u>Geotechnical Bulletin 1: Plan Subgrades (GB1)?</u>	
Y N X 2	If soils classified as A-2-5, A-4b, A-5, A-7-5, A-8a, or A-8b, or having a LL>65, are present at the proposed subgrade (soil profile), do the plans specify that these materials need to be removed and replaced or chemically stabilized?	
Y N X	a If these materials are to be removed and replaced, have the station limits, depth, and lateral limits for the planned removal been provided?	
Y N X 3	If there is any rock, shale, or coal present at the proposed subgrade (CMS 204.05), do the plans specify the removal of the material?	
Y N X	a If removal of any rock, shale, or coal is required, have the station limits, depth, and lateral limits for the planned removal of the material at proposed subgrade been provided?	
Y N X 4	In accordance with GB1, do the SPT values and existing moisture contents for the proposed subgrade soils indicate the need for subgrade stabilization?	
Y N X	a If removal and replacement is applicable, has the detail of subgrade removal been shown on the plans, including depth of removal, station limits, lateral extent, replacement material, and plan notes (Item 204 – Subgrade Compaction and Proof Rolling)?	
Y N X	b If chemical stabilization is applicable, has the detail of this treatment been shown on the plans, including depth, percentage of chemical, station limits, lateral extent, and plan notes?  Indicate type of subgrade treatment specified: <input type="checkbox"/> cement treatment <input type="checkbox"/> lime treatment <input type="checkbox"/> lime kiln dust <input type="checkbox"/> other	
Y N X 5	If drainage or groundwater is an issue with the proposed subgrade, has an appropriate drainage system (e.g., pipe, underdrains) been provided?	
Y N X 6	Has an appropriate quantity of Proof Rolling been included in the plans (CMS 204.06)?	
Y N X 7	Has a design CBR value been provided?	

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Notes:

Stage 1: