DISTRICT 2 CONSTRUCTION QC/QA PLAN
QUALITY ASSESSMENT GUIDE

EFFECTIVE DATE: April 17, 1998
Revised as of 12/21/10

EXCAVATION AND EMBANKMENT
(SPECIFICATIONS)

Number 10		CRITERIA USED
1.	Are you aware that materials for borrow cannot be used until the Engineer has approved their location?	Spec 120-6.1
2.	Are you aware that before receiving approval or use of borrow areas, obtain written clearance from the Engineer concerning compliance with the Federal Endangered Species Act as specified in 7-1.4 and Section 4(f) of the USDOT Act as specified in Section 7-1.8?	Spec 120-6.2
3.	Are you aware before using any borrow material from any substitute areas, obtain the Engineer's approval in writing and ensure the Engineer has performed cross sections on the surface?	Spec 120-6.2
4.	Are you aware that when the item of borrow excavation is in the contract, use borrow only when quantities of suitable material are not available from roadway and drainage excavation and approved by the Engineer?	Spec 120-6.5
5.	Are you aware that embankment material shall not contain muck, stumps, roots, brush, vegetable matter, rubbish or other material that does not compact into a suitable and enduring roadbed?	Spec 120-7.2
6.	Are you aware when using rocks in the embankment, the maximum particle size cannot exceed the specified requirements?	Spec 120-7.2
7.	Are you aware that when constructing embankments in sections of not less than 300' (~~90m~~) in length or for the full length of the embankment, perform work in accordance with an approved Quality Control Plan as required in Section ~~6-8~~105-3?	Spec 120-8.1
8.	~~Are you aware when the contractor is placing material on unstable ground and materials used for flattening slopes, the embankment will be constructed in successive layers not more than 6" (150mm) compacted thickness for the full width of the embankment?~~	~~Spec 120-8.2.1~~
9.	~~Are you aware that when thick lift compaction is requested, demonstrated and approved, the maximum lift thickness may not exceed 12" (300mm) of compacted thickness for embankment?~~	~~Spec 120-8.2.1~~

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10.	Are you aware the contractor will use the necessary equipment to achieve the required uniform density compaction for each layer of embankment?	Spec 120-9.2.1
11.	Are you aware that while construction is in progress, the contractor will maintain adequate drainage for the roadbed at all times?	Spec 120-11
12.	Are you aware of the contractor maintaining and protecting the earth work construction throughout the life of the contract in accordance with Section 104?	Spec 120-11
13.	Are you aware the contractor will complete the dressing of shoulders and grassing prior to placing the final course of asphalt?	Spec 120-12.2
14.	~~Are you aware the contractor will not place any embankment materials on the pavement surface during the construction operation adjacent to the pavement?~~	~~Spec 120-12.2~~
15.	Are you aware that commercial and local materials meet the requirement of Section 914 for the particular type of stabilizing material to be used?	Spec 160-4.1
16.	Are you aware that the use of materials from an existing base is used for stabilizing additives, the Engineer will direct the location, placement and distribution, prior to the spreading of commercial or local materials?	Spec 160-4.2
17.	Are you aware the contractor will use a mechanical material spreader while spreading commercial stabilizing material, except when it is not practical and a written approval is given for alternate methods?	Spec 160-5.2
18.	Are you aware the contractor will use rotary tillers or other suitable equipment (with Engineer approval) for thoroughly mixing the stabilized areas to full depth and width?	Spec 160-5.3
19.	Are you aware that the finished subgrade must be firm and substantially unyielding upon completing the stabilizing and compacting operations?	Spec 160-.5.7
20.	Are you aware the contractor is responsible for maintaining the required density, free of ruts, depressions and any other damage occurring until the subsequent base of pavement is placed on the subgrade?	Spec 160-5.8