

J. PICKERING

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Inter-Departmental Memorandum

TO: Design Squad Leaders

DATE: March 13, 1995

FROM: Quality Control Engineer
Steven Reeves *SWF*

SUBJECT OR PROJECT NO: Miscellaneous
Design Items

INFORMATION COPY TO:

COUNTY:

- Files
- Section Leaders
- John Pickering
- Irving Harris
- Keith Botelor

COLD MILLING: As a "Rule of Thumb", if variable depth milling is required , the quantity shall be measured in tons. If the majority of the project requires milling of a uniform depth, the quantity shall be measured in Sq. Yds.. As always, there will be exceptions to this "Rule of Thumb".

BAHIAGRASS: When calculating this quantity always check vegetation schedule for directions. In certain cases in Districts 1, 2, 3 and 5, bahiagrass is not to be used within 30 feet of pavement. A different area other than the quantity estimated for Standard Ground Preparation will have to be used to estimate the bahiagrass quantity. Districts 6 and 7 do not make this distinction.

MODIFIED BOX CULVERTS: Always note if a box culvert is modified for low or high cover. If high cover modification is used label for 10, 15, 20,ect. feet. Note this on plan/profile sheets and on Estimated Quantity Sheet.

BOX BEND REINFORCEMENT: Always note on Summary of Quantity sheet amount of reinforcement included in quantity for box bend reinforcement. A similar footnote would be helpful on any other Pay Item where the quantity includes additional amounts other than those normally estimated.

MICROSTATION CELL LIBRARY DRAWINGS (DETAILS.CEL): If you use a cell drawing and must update or modify this drawing, inform CADD Section so that they can update the Library. Have all modifications approved by Section Leader. Inform Quality Control of changes prior to having plans reviewed.

NEW GUARDRAIL SHEETS: The Type 2 Cable Anchorage will no longer be used on any project. The Type MELT Terminal Section will replace the Type 2 C.A.. Special Design sheets for the Type MELT Terminal Section are available in the Quality Control room. Because of this change, the Department's standard guardrail installation sheets will now be Special Design sheets. These sheets are also available. The pay limits for the Type MELT will be 37.5 feet. Please use chart shown below to estimate quantities for Pay Items.

TOTAL INSTALLATION LENGTH LF	TYPE "H" BRIDGE END SECTION EA	TYPE MELT TERMINAL SECTION EA	NORMAL INSTALLATION GUARDRAIL LF
200	1	1	150
137.5	1	1	87.5
100	1	1	50
75	1	1	25
50	1	1	0
50(Det Br)	0	1	12.5

SPECIAL DESIGN SHEETS: For your information. Listed below are the Work Numbers for Standard sheets that are currently listed in our Standard Drawings but have been modified and are now Special Design Sheets.

BE-1(Projects with concrete pavement need Special Design. Asphalt projects will require normal BE-1 Standard.)
 PM-1 PM-2 PM-3 PM-4 GR-4 GR-4E GR-4A GR-4F GR-4G GR-4B
 GR-4C GR-4D

NEW PAY ITEMS: Listed below are new Pay Items you need to add to your lists.

606-M	Guardrail (Terminal Section, Type MELT)	EACH
619-K3	Installation and Removal of Guardrail (Type MELT Terminal Section) Cable Anchorage	EACH
907-605-FF	Edge Drain, Complete-in-Place	LF
907-605-GG	Edge Drain Outlets/Vents, Complete-in-Place	LF

If you have any questions, please advise.

SWR/swr

ADDITIONAL DESIGN ITEMS

RAISED PAVEMENT MARKERS: Beginning with the May 1995 letting all Raised Pavement Markers shall be High Performance. Raised Pavement Markers are to be placed on all Projects. The descriptions for markers as shown in "Red Book" will only be used when directed and will have a "907" prefix added.

NEW PAY ITEMS: Listed below are new Pay Items for Raised Pavement Markers:

907-627-J	Two-Way Clear Reflective High Performance Raised Markers	-per each
907-627-K	Red-Clear Reflective High Performance Raised Markers	-per each
907-627-L	Two-Way Yellow Reflective High Performance Raised Markers	-per each
907-627-M	One-Way Clear Reflective High Performance Raised Markers	-per each
907-627-N	One-Way Yellow Reflective High Performance Raised Markers	-per each
907-627-O	Yellow-Clear Reflective High Performance Raised Markers	-per each

HAUL PAY ITEM: Construction Division has requested that we only use the following Pay Items for Haul:

205-C	HAUL OF _____ EXCAVATION (PHD)(FM)
205-C	HAUL OF _____ EXCAVATION (PHD)(FME)
205-C	HAUL OF _____ EXCAVATION (PHD)(LVM)