

GENERAL NOTES

TRAFFIC

Part 1. Two way traffic shall be maintained at all times, to the satisfaction of the Engineer. Part 2. Traffic shall be maintained at all times. In addition to the requirements of Sec G-7.07, Barricades, Danger and Warning Signs, the contractor shall display one "PLEASE - MEN WORKING ON ROAD" sign furnished by the State at each end of the one way zone and in such a position as to be visible to traffic approaching the one way zone. The Contractor shall be responsible for the preservation of these signs and shall return the signs to the State at the completion of the work. The item of "Maintaining Traffic" shall include furnishing lights, signs, (other than those above) barricades and watchmen, plus the displaying and advancing of the "Please - Men Working On Road" signs to secure the flow of traffic twenty-four (24) hr. daily.

COMPACTION

Compaction shall be omitted on the top 3" of embankment due to seeding.

STORM SEWERS

Part 1 and 2. Storm Sewers shall be constructed with corrugated metal pipe meeting the requirements of Sec. M-6.4 (c) of the Material Specifications. In addition to the field connections set forth in paragraph 9 of Section M-6.4 (a), each connection shall be coated with bituminous material in accordance with Item S-27.04 of specifications. All connections shall be water tight and approved by the Engineer before backfilling. Cost of bituminous coating at field connections to be included in unit price bid for I-2 storm sewers.

Part 2. Construction procedure: The Contractor shall remove the existing storm sewer and place the new C.M.P. storm sewer before starting excavation for the retaining wall. The storm sewer shall be suspended by suitable hangers or supports at intervals of not more than 20 feet. After completion of the retaining wall and backfilling, the storm sewer shall be placed to grade in accordance with Item I-2 of the specifications. Any alternate method of carrying the storm sewer water along the project must be approved by the Director. Cost of placing the storm sewer in a suspended position including hangers hardware and the removal of said temporary fixtures after completion of the wall, shall be included in the unit price bid for I-2 Storm Sewers.

ITEM E-305

Item E-305 shall be performed on earth areas within the limits of the work or as directed.

Part I. All disturbed areas around the ends of the Structural Steel, Plate Lining Pipe and along the storm sewers included in the project shall be seeded as directed. The seeding mixture shall be: 30% Hairy Vetch, 20% Alsike, 15% Meadow Fescue, and 35% Kentucky Blue Grass sown at the rate of 4 lbs. per 1000 sq. ft. Estimated 1200 sq. yd. Legumes shall be inoculated.

Part 2. All of the embankment area and all disturbed areas at the ends of the wall and at the base of the wall shall be seeded as directed. The seeding mixture shall be: 30% Hairy Vetch, 20% Perennial Rye Grass, 15% Meadow Fescue, and 35% Kentucky Blue Grass sown at the rate of 4 lbs. per 1,000 sq. ft. Estimated at 400 sq. yd. Legumes shall be inoculated.

EARTHWORK

Watering embankments, benching, density requirements and the removal of sod from the shoulder will not be required. However, Item E-1 and Item E-4 shall include the thorough compaction of embankment in layers not exceeding eight inches compacted thickness, and shall include any operations of grading necessary to finish the shoulders and slopes substantially to the lines indicated on the typical sections. The provisions of Section E-1.12 will be waived providing lines of berms and slopes have been finished in a uniform, sightly condition. No provisions of the specifications will be waived for embankment which supports any portion of the new pavement or forms.

GENERAL SUMMARY

Item	Description	Part 1	Part 2	Total	Unit
ROADWAY					
E-12	Pipe removed and stored 15" and under	30	216	246	Lin. Ft.
E-12	12" Pipe removed for reuse	20		20	Lin. Ft.
I-2	12" Storm sewers Sec. M-6.4 (c)	308	216	524	Lin. Ft.
I-5	12" Pipe specials for storm sewers Sec. M-6.4 (c)	4		4	Each
I-6	Relaying 12" Pipe	20		20	Lin. Ft.
I-10	Riprap type A, grouted	24		24	Sq. Yd.
E-305	Seeding and protecting roadway areas	1200	400	1600	Sq. Yd.
L-9	Commercial fertilizer (4-12-4)	216	72	288	Lbs.
E-9	Removal of trees and stumps as per plan		1	1	Each
E-12	Pipe removed and disposed of (over 15")	20		20	Lin. Ft.
STRUCTURES UNDER 20' SPAN					
E-2	Excavation for structures as per plan	80		80	Cu. Yd.
S-1	Concrete for structures class E	3.2		3.2	Cu. Yd.
I-10	Riprap type A, grouted	25		25	Sq. Yd.
SS-186	Bituminous coated, paved invert, tunnel liner plate culvert pipe as per plan	153		153	Lin. Ft.
RETAINING WALL					
E-2	Excavation for structures		178	178	Cu. Yd.
E-4	Borrow		180	180	Cu. Yd.
I-3	6" Roadway drainage see M-6.4 (c)	10		10	Lin. Ft.
I-4	6" Pipe outlets for underdrains see M-6.4 (c)	20		20	Lin. Ft.
I-4	6" Underdrains Sec. M 6.4 (b) as per plan	54		54	Lin. Ft.
I-5	6" Pipe specials see M-6.4 (c)	5		5	Each
S-24	Removal of existing structures (1) unit		Lump	Lump	Lump
SS-132	Precast reinforced concrete cellular retaining wall or galvanized metal cellular retaining wall.		760	760	Sq. Ft.