

D R A I N A G E D A T A

STATION	PIPE SIZE	DESIGN FREQUENCY 5 YEAR				100 YR. DATA			
		DRAINAGE AREA (ACRE)	DESIGN DISCHARGE (C.F.S.)	DESIGN H.W. (FT.)	DESIGN VELOCITY (F.P.S.)	MAX. STAGE ELEV. (MSL)	DESIGN DISCHARGE (C.F.S.)	MAX. STAGE ELEV. (MSL)	
61+75	29"x18" RCPA	+25	15.1	+0.8	+2.0	1637.3	39	1637.4	
83+02	58"x36" RCPA	13	7.2	1.7	3.4	1636.4	18	1635.5*	
98+48	43"x27" RCPA	23	9.6	1.3	4.1	1635.6	25	1635.5*	
112+84	73"x45" RCPA	23	13.9	2.0	4.0	1634.1	36	1635.5*	
128+20	44"x27" RCPA	30	19.1	2.5	3.0	1636.7	49	1635.5*	
142+98	44"x27" RCPA	13	11	1.3	4.1	1635.3	27	1635.5*	
158+00	30" RCP	15	7.8	1.3	6.9	1634.8	20	1635.5*	

*100 Yr. Missouri River Flood Stage

SUPPLEMENTAL SPECIFICATIONS & SPECIAL PROVISIONS

Pavement Marking	SP-743-7
Pavement Marking	SP-871-0
Trainee	SP
Legal Relations & Responsibility to Public	SP-107-5
Repair & Restoration of Haul Roads	SP-190
Aggregate Base Course	SP-302-1
Measurement & Payment	SS-109-1
Maintenance & Protection of Traffic	SP-762-3
Hot Bituminous Pavement	SP-406-6
Seeding	SP-726-8
Paints, Oils & Thinners	SP-870-4
Furnish & Install Signs & Supports	SP-754-2
Maintenance & Protection of Traffic	SP-762-5
Borrow	SS-203-2

BASIS OF ESTIMATE

Water for Compaction:
10 Gal./C.Y. of Embankment Quantity (Includes amount for use as a dust palliative.)

Topsoil:
No Removal Required

Hydro-Mulch Seeding
Entire right-of-way and construction area in easements except roadbed, undisturbed and sodded areas.

MAXIMUM SIZE OF AGGREGATE

Description	Type of Aggregate	Max. Size
Aggr. Base Crse., Cl. 5	Crushed	3/4"
Hot Bit. Pavement Cl. 25	Crushed	3/4"
Blotter Material, Cl. 44	Screened	5/8"