

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing was furnished to the following parties by U.S. mail or hand delivery(*) this 20th day of October, 1998.

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LATE FILED EXHIBIT 89
DOCKET NO. 980696-TP

COMPARISON OF HM 4.0 AND
HM 5.0 DEFAULT INPUT VALUES

(Wells Late Filed Deposition Exhibit #2)

2008-08-11 10:00 AM

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COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref	HM4.0 Values	HM5.0 Doc App. B ref	HM5.0 Values
DISTRIBUTION PARAMETERS				
NID	B1		B1	
Residential NID Materials, No Protector		\$10.00		\$10.00
Residential NID Basic Labor		\$15.00		\$15.00
<i>Residential NID Total (calculated)</i>		\$25.00		\$25.00
Residential Max Lines per NID		6		6
Residential Protection Block, per Pair		\$4.00		\$4.00
Business NID Case, No Protector		\$25.00		\$25.00
Business NID Basic Labor		\$15.00		\$15.00
<i>Business NID Total (calculated)</i>		\$40.00		\$40.00
Business Protection Block, per Pair		\$4.00		\$4.00
<i>Indoor NID Case (calculated)</i>		\$5.00		\$5.00
Drop				
Drop Distance, Feet	B2	Density Zone	B2	Density Zone
		0-5 150		0-5 150
		5-100 150		5-100 150
		100-200 100		100-200 100
		200-650 100		200-650 100
		650-850 50		650-850 50
		850-2,550 50		850-2,550 50
		2,550-5,000 50		2,550-5,000 50
		5,000-10,000 50		5,000-10,000 50
		10,000+ 50		10,000+ 50
Drop Installation, Aerial and Buried				
Aerial Drop Installation, Total Cost	B3	Density Zone	B3	Density Zone
		0-5 \$23.33		0-5 \$23.33
		5-100 \$23.33		5-100 \$23.33
		100-200 \$17.50		100-200 \$17.50
		200-650 \$17.50		200-650 \$17.50
		650-850 \$11.67		650-850 \$11.67
		850-2,550 \$11.67		850-2,550 \$11.67
		2,550-5,000 \$11.67		2,550-5,000 \$11.67

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0-HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
		5,000-10,000	\$11.67		5,000-10,000	\$11.67
		10,000+	\$11.67		10,000+	\$11.67
Buried Drop Installation, Cost per Foot		Density Zone			Density Zone	
		0-5	\$0.60		0-5	\$0.60
		5-100	\$0.60		5-100	\$0.60
		100-200	\$0.60		100-200	\$0.60
		200-650	\$0.60		200-650	\$0.60
		650-850	\$0.60		650-850	\$0.60
		850-2,550	\$0.60		850-2,550	\$0.60
		2,550-5,000	\$0.75		2,550-5,000	\$0.75
		5,000-10,000	\$1.50		5,000-10,000	\$1.50
		10,000+	\$5.00		10,000+	\$5.00
Buried Drop Sharing Fraction	B4	Density Zone		B4	Density Zone	
		0-5	0.50		0-5	0.50
		5-100	0.50		5-100	0.50
		100-200	0.50		100-200	0.50
		200-650	0.50		200-650	0.50
		650-850	0.50		650-850	0.50
		850-2,550	0.50		850-2,550	0.50
		2,550-5,000	0.50		2,550-5,000	0.50
		5,000-10,000	0.50		5,000-10,000	0.50
		10,000+	0.50		10,000+	0.50
Drop Structure Fraction	B5	Density Zone		B5	Density Zone	
Buried		0-5	0.75		0-5	0.75
		5-100	0.75		5-100	0.75
		100-200	0.75		100-200	0.75
		200-650	0.70		200-650	0.70
		650-850	0.70		650-850	0.70
		850-2,550	0.70		850-2,550	0.70
		2,550-5,000	0.70		2,550-5,000	0.70
		5,000-10,000	0.40		5,000-10,000	0.40
		10,000+	0.15		10,000+	0.15

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
<i>Aerial (calculated)</i>		Density Zone			Density Zone	
		0-5	0.25		0-5	0.25
		5-100	0.25		5-100	0.25
		100-200	0.25		100-200	0.25
		200-650	0.30		200-650	0.30
		650-850	0.30		650-850	0.30
		850-2,550	0.30		850-2,550	0.30
		2,550-5,000	0.30		2,550-5,000	0.30
		5,000-10,000	0.60		5,000-10,000	0.60
		10,000+	0.85		10,000+	0.85
Average Lines per Business Location	B6	4		B6	4	
Terminal and Splice, Cost per Line	B7			B7		
	<i>Aerial</i>	\$32.00			\$32.00	
	<i>Buried</i>	\$42.50			\$42.50	
Drop Investment, Cost per Foot	B8			B8		
	<i>Aerial</i>	\$0.095			\$0.095	
	<i>Buried</i>	\$0.140			\$0.140	
# Pairs per Drop						
	<i>Aerial</i>	2			2	
	<i>Buried</i>	3			3	
Cable and Riser Investment						
Distribution Cable Sizes and Cost per Foot (Aerial and U/G, including EF&I, for buried, add cable sheath multiplier. HM3.1 assumes 24-gauge cable; HM4.0 assumes 26- gauge at 400-pair cable and above; 24-gauge for smaller cable)	B9,10	Cable Size		B9,10	Cable Size	
		2400	\$20.00		2400	\$20.00
		1800	\$16.00		1800	\$16.00
		1200	\$12.00		1200	\$12.00
		900	\$10.00		900	\$10.00
		600	\$7.75		600	\$7.75
		400	\$6.00		400	\$6.00
		200	\$4.25		200	\$4.25
		100	\$2.50		100	\$2.50
		50	\$1.63		50	\$1.63
		25	\$1.19		25	\$1.19

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
		12'	\$0.76		12'	\$0.76
		6'	\$0.63		6'	\$0.63
Riser Cable Sizes and Cost per Foot	B11	Pairs		B11	Pairs	
		2400	\$20.00		2400	\$25.00
		1800	\$16.00		1800	\$20.00
		1200	\$12.00		1200	\$15.00
		900	\$10.00		900	\$12.50
		600	\$7.75		600	\$10.00
		400	\$6.00		400	\$7.50
		200	\$4.25		200	\$5.30
		100	\$2.50		100	\$3.15
		50	\$1.63		50	\$2.05
		25	\$1.19		25	\$1.50
		12	\$0.76		12	\$0.95
		6	\$0.63		6	\$0.80
Poles and Conduit						
Pole investment	B12			B12		
materials			\$201.00			\$201.00
labor			\$216.00			\$216.00
<i>Total (calculated)</i>			\$417.00			\$417.00
Buried Copper Cable Sheath Multiplier	B13		1.04	B13		1.04
Conduit Investment per Foot	B14		\$0.60	B14		\$0.60
Spare Tubes per Route	B15		1	B15		1
Regional Labor Adjustment Factor	B16		1.0	B16		1.0
Fraction Installed investment Affected				B16a		
Contractor Trenching			Not in HM4.0			0.125
Teleco Construction - Copper			Not in HM4.0			0.164
Teleco Construction - Fiber			Not in HM4.0			0.364
Pole Placing			Not in HM4.0			0.518

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref. B17	HM4.0 Values	HM5.0 Doc. App. B ref. B17	HM5.0 Values
Distribution Placement Fractions				
<i>Aerial/Block</i>		Density Zone		Density Zone
		0-5 0.25		0-5 0.25
		5-100 0.25		5-100 0.25
		100-200 0.25		100-200 0.25
		200-650 0.30		200-650 0.30
		650-850 0.30		650-850 0.30
		850-2,550 0.30		850-2,550 0.30
		2,550-5,000 0.30		2,550-5,000 0.30
		5,000-10,000 0.60		5,000-10,000 0.60
		10,000+ 0.85		10,000+ 0.85
<i>Buried</i>		Density Zone		Density Zone
		0-5 0.75		0-5 0.75
		5-100 0.75		5-100 0.75
		100-200 0.75		100-200 0.75
		200-650 0.70		200-650 0.70
		650-850 0.70		650-850 0.70
		850-2,550 0.70		850-2,550 0.70
		2,550-5,000 0.65		2,550-5,000 0.65
		5,000-10,000 0.35		5,000-10,000 0.35
		10,000+ 0.05		10,000+ 0.05
<i>Underground (calculated)</i>		Density Zone		Density Zone
		0-5 0		0-5 0
		5-100 0		5-100 0
		100-200 0		100-200 0
		200-650 0		200-650 0
		650-850 0		650-850 0
		850-2,550 0		850-2,550 0
		2,550-5,000 0.05		2,550-5,000 0.05
		5,000-10,000 0.05		5,000-10,000 0.05
		10,000+ 0.10		10,000+ 0.10

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values
Fraction Buried Available for Shift		Not in HM4.0		Density Zone 0-5 0.75
				5-100 0.75
				100-200 0.75
				200-650 0.75
				650-850 0.75
				850-2,550 0.75
				2,550-5,000 0.75
				5,000-10,000 0.00
				10,000+ 0.00
	Distribution			
Fill and Pole Spacing				
Distribution Cable Fill	B18	Density zone	B18	Density zone
		0-5 0.50		0-5 0.50
		5-100 0.55		5-100 0.55
		100-200 0.55		100-200 0.55
		200-650 0.60		200-650 0.60
		650-850 0.65		650-850 0.65
		850-2,550 0.70		850-2,550 0.70
		2,550-5,000 0.75		2,550-5,000 0.75
		5,000-10,000 0.75		5,000-10,000 0.75
		10,000+ 0.75		10,000+ 0.75
Pole Spacing, Feet (Distribution)	B19	Density Zone	B19	Density Zone
		0-5 250		0-5 250
		5-100 250		5-100 250
		100-200 200		100-200 200
		200-650 200		200-650 200
		650-850 175		650-850 175
		850-2,550 175		850-2,550 175
		2,550-5,000 150		2,550-5,000 150
		5,000-10,000 150		5,000-10,000 N/A
		10,000+ 150		10,000+ N/A

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref	HM4.0 Values	HM5.0 Doc. App. B ref	HM5.0 Values
Geology and Clusters				
Difficult Terrain Distance Multiplier	B20	1.0	B20	1.0
Rock Depth Threshold, Inches	B21	24.0	B21	24.0
Hard Rock Placement Multiplier	B22	3.5	B22	3.5
Soft Rock Placement Multiplier	B23	2.0	B23	2.0
Sidewalk/Street Fraction	B24	0.20	B24	0.20
Local RT (per Cluster) Threshold, - Max Dist. (FT)	B25	18,000	B25	18,000
Feeder Steering Enable		Not in HM4.0	B26	Set at Disabled
Main Feeder Route/Air Multiplier		Not in HM4.0	B27	1.27
Require Serving Area to be Square		Not in HM4.0	B27a	Set at Disabled
Town Factor	B26	0.85		Not used in HM5.0
Maximum Lot Size, Acres	B27	3.0		Not used in HM5.0
Town Lot Size, Acres	B28	3.0		Not used in HM5.0
Long Loop Investments				
T1 Repeater Investment, Installed	B29	\$300	B28	\$527
Integrated COT, Installed	B30	\$4,400	B29	\$420
Remote Mux Common. Eqpt., Installed	B31	\$5,510	B30	\$8,200
Channel Unit Invest., per subscriber	B32	\$125	B31	\$125
COT Investment, per RT, Installed	B33	\$1,265	B32	\$1,170
Remote Terminal fill factor		Not in HM4.0	B33	0.9
Maximum T1s per cable		Not in HM4.0	B34	8
T1 Repeater spacing (measured in dB)		Not in HM4.0	B35	32.0 dB
Aerial T1 Attenuation (dB per kft.)		Not in HM4.0	B36	6.3
Buried T1 Attenuation (dB per kft.)		Not in HM4.0	B37	5
SAI Investment				
	B34		B38	
	Indoor	Size (Pairs)		Size (Pairs)
		7200		7200
		\$3,456.00		\$9,656.00
		5400		5400
		\$2,592.00		\$7,392.00
		3600		3600
		\$1,728.00		\$4,928.00
		2400		2400
		\$1,152.00		\$3,352.00
		1800		1800
		\$864.00		\$2,464.00
		1200		1200
		\$576.00		\$1,776.00
		900		900
		\$432.00		\$1,232.00
		600		600
		\$288.00		\$888.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values
FEEDER PARAMETERS				
Copper Placement				
Copper Feeder Structure Fractions				
		B37		B45
	Aerial	Density Zone		Density Zone
		0-5	0.50	0-5 0.50
		5-100	0.50	5-100 0.50
		100-200	0.50	100-200 0.50
		200-650	0.40	200-650 0.40
		650-850	0.30	650-850 0.30
		850-2,550	0.20	850-2,550 0.20
		2,550-5,000	0.15	2,550-5,000 0.15
		5,000-10,000	0.10	5,000-10,000 0.10
		10,000+	0.05	10,000+ 0.05
	Buried	Density Zone		Density Zone
		0-5	0.45	0-5 0.45
		5-100	0.45	5-100 0.45
		100-200	0.45	100-200 0.45
		200-650	0.40	200-650 0.40
		650-850	0.30	650-850 0.30
		850-2,550	0.20	850-2,550 0.20
		2,550-5,000	0.10	2,550-5,000 0.10
		5,000-10,000	0.05	5,000-10,000 0.05
		10,000+	0.05	10,000+ 0.05
	Underground (calculated)	Density Zone		Density Zone
		0-5	0.05	0-5 0.05
		5-100	0.05	5-100 0.05
		100-200	0.05	100-200 0.05
		200-650	0.20	200-650 0.20
		650-850	0.40	650-850 0.40
		850-2,550	0.60	850-2,550 0.60
		2,550-5,000	0.75	2,550-5,000 0.75
		5,000-10,000	0.85	5,000-10,000 0.85
		10,000+	0.90	10,000+ 0.90

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc.	HM4.0 Values		HM5.0 Doc.	HM5.0 Values	
	App. B ref.			App. B ref.		
Manhole Spacing, Feet (Copper Feeder)	B38	Density Zone		B47	Density Zone	
		0-5	800		0-5	800
		5-100	800		5-100	800
		100-200	800		100-200	800
		200-650	800		200-650	800
		650-850	600		650-850	600
		850-2,550	600		850-2,550	600
		2,550-5,000	600		2,550-5,000	600
		5,000-10,000	400		5,000-10,000	400
		10,000+	400		10,000+	400
Pole Spacing, Feet (Copper Feeder)	B39	Density Zone		B48	Density Zone	
		0-5	250		0-5	250
		5-100	250		5-100	250
		100-200	200		100-200	200
		200-650	200		200-650	200
		650-850	175		650-850	175
		850-2,550	175		850-2,550	175
		2,550-5,000	150		2,550-5,000	150
		5,000-10,000	150		5,000-10,000	150
		10,000+	150		10,000+	150
Pole Investment (Feeder)	B40			B49		
materials			\$201.00			\$201.00
labor			\$216.00			\$216.00
<i>Total (calculated)</i>			\$417.00			\$417.00
Inner Duct Investment, per Foot	B41		\$0.30	B50		\$0.30
Fiber Placement						
Fiber Feeder Placement Fractions	B42			B51		
Aerial		Density Zone			Density Zone	
		0-5	0.35		0-5	0.35
		5-100	0.35		5-100	0.35
		100-200	0.35		100-200	0.35
		200-650	0.30		200-650	0.30
		650-850	0.30		650-850	0.30

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES					
1/5/98					
HM4.0/HM5.0 Input Name	HM4.0 Doc		HM5.0 Doc		HM5.0 Values
	App. B ref.	HM4.0 Values	App. B ref.	HM5.0 Values	
		850-2,550	0.20		850-2,550 0.20
		2,550-5,000	0.15		2,550-5,000 0.15
		5,000-10,000	0.10		5,000-10,000 0.10
		10,000+	0.05		10,000+ 0.05
	Buried	Density Zone			Density Zone
		0-5	0.60		0-5 0.60
		5-100	0.60		5-100 0.60
		100-200	0.60		100-200 0.60
		200-650	0.60		200-650 0.60
		650-850	0.30		650-850 0.30
		850-2,550	0.20		850-2,550 0.20
		2,550-5,000	0.10		2,550-5,000 0.10
		5,000-10,000	0.05		5,000-10,000 0.05
		10,000+	0.05		10,000+ 0.05
	Underground (calculated)	Density Zone			Density Zone
		0-5	0.05		0-5 0.05
		5-100	0.05		5-100 0.05
		100-200	0.05		100-200 0.05
		200-650	0.10		200-650 0.10
		650-850	0.40		650-850 0.40
		850-2,550	0.60		850-2,550 0.60
		2,550-5,000	0.75		2,550-5,000 0.75
		5,000-10,000	0.85		5,000-10,000 0.85
		10,000+	0.90		10,000+ 0.90
	Fraction Buried Available for Shift	Not in HM4.0			Density Zone
					0-5 0.75
					5-100 0.75
					100-200 0.75
					200-650 0.75
					650-850 0.75
					850-2,550 0.75

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES						
1/5/98						
HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
					2,550-5,000	0.75
					5,000-10,000	0.75
					10,000+	0.75
Pullbox spacing, Feet (Fiber Feeder)	B43	Density Zone		B52	Density Zone	
		0-5	2000		0-5	2000
		5-100	2000		5-100	2000
		100-200	2000		100-200	2000
		200-650	2000		200-650	2000
		650-850	2000		650-850	2000
		850-2,550	2000		850-2,550	2000
		2,550-5,000	2000		2,550-5,000	2000
		5,000-10,000	2000		5,000-10,000	2000
		10,000+	2000		10,000+	2000
Buried Fiber Sheath Addition, per Foot (Feeder)	B44	\$0.20		B53	\$0.20	
Fill Factors						
Copper Feeder Fill	B45	Density zone		B54	Density zone	
		0-5	0.65		0-5	0.65
		5-100	0.75		5-100	0.75
		100-200	0.80		100-200	0.80
		200-650	0.80		200-650	0.80
		650-850	0.80		650-850	0.80
		850-2,550	0.80		850-2,550	0.80
		2,550-5,000	0.80		2,550-5,000	0.80
		5,000-10,000	0.80		5,000-10,000	0.80
		10,000+	0.80		10,000+	0.80
Fiber Feeder Fill	B46	Density Zone		B55	Density Zone	
		0-5	1.00		0-5	1.00
		5-100	1.00		5-100	1.00
		100-200	1.00		100-200	1.00
		200-650	1.00		200-650	1.00
		650-850	1.00		650-850	1.00
		850-2,550	1.00		850-2,550	1.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES						
1/5/98						
HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values		HM5.0 Doc App. B ref.	HM5.0 Values	
		2,550-5,000	1.00		2,550-5,000	1.00
		5,000-10,000	1.00		5,000-10,000	1.00
		10,000+	1.00		10,000+	1.00
Cable Costs (Feeder)						
	B47	Size (pairs)		B56	Size (pairs)	
Copper Investment, per Foot		4200	\$29.00		4200	\$29.00
(Aerial and U/G, including EF&I; for		3600	\$26.00		3600	\$26.00
buried, add buried cable sheath multiplier)		3000	\$23.00		3000	\$23.00
		2400	\$20.00		2400	\$20.00
		1800	\$18.00		1800	\$16.00
		1200	\$12.00		1200	\$12.00
		900	\$10.00		900	\$10.00
		600	\$7.75		600	\$7.75
		400	\$6.00		400	\$6.00
		200	\$4.25		200	\$4.25
		100	\$2.50		100	\$2.50
Copper Investment per Pair, per Foot		Not in HM4.0			\$0.0075	
Fiber Investment, per Foot	B48	Size (strands)		B57	Size (strands)	
(Aerial and U/G, including EF&I; for		216	\$13.10		216	\$13.10
buried, add buried fiber sheath addition)		144	\$9.50		144	\$9.50
		96	\$7.10		96	\$7.10
		72	\$5.90		72	\$5.90
		60	\$5.30		60	\$5.30
		48	\$4.70		48	\$4.70
		36	\$4.10		36	\$4.10
		24	\$3.50		24	\$3.50
		18	\$3.20		18	\$3.20
		12	\$2.90		12	\$2.90
Fiber Investment per Strand, per Foot		Not in HM4.0			\$0.10	
DLC Equipment						
Site and Power	B49			B58		
TR-303 DLC RT			\$3,000.00			\$3,000.00
Low Density DLC RT			\$2,500.00			\$1,300.00

COMPARISON OF HM4.0 AND HM5.0 INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values
Maximum Lines, per Line Module	B50			
TR-303 DLC RT		672	B59	672
Low Density DLC RT		96		120
RT Factor Fill	B51		B60	
TR-303 DLC RT		0.9		0.9
Low Density DLC RT		0.9		0.9
Common Equipment Investment	B52			
TR-303 DLC RT		\$66,000.00	B61	\$66,000.00
Low Density DLC RT		\$13,000.00		\$16,000.00
POTS Channel Unit Investment	B53			
TR-303 DLC RT		\$310.00	B62	\$310.00
Low Density DLC RT		\$310.00		\$600.00
POTS Lines per Channel Unit	B54			
TR-303 DLC RT		4	B63	4
Low Density DLC RT		4		6
Coin Channel Unit Investment	B53a		B62a	
TR-303 DLC RT		\$250.00		\$250.00
Low Density DLC RT		\$250.00		\$600.00
Coin Lines per Channel Unit	B54a		B63a	
TR-303 DLC RT		2		2
Low Density DLC RT		2		6
Low Density Crossover Lines	B55	384	B64	480
Fibers per RT	B56		B65	
TR-303 DLC RT		4		4
Low Density DLC RT		4		4
Optical Patch Panel Investment	B57			
TR-303 DLC RT		\$1,000	B66	\$1,000
Low Density DLC RT		\$1,000		\$1,000

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App B ref	HM4.0 Values	HM5.0 Doc App B ref	HM5.0 Values
Copper Feeder Maximum Distance, Feet	B58	9,000	B67	9,000
Common Equip. Investment, per additional increment of 672 or 96 Lines	B59		B68	
TR-303 DLC RT		\$18,500		\$18,500
Low Density DLC RT		\$11,000		\$9,400
Max Number of Additional Line Modules, per RT	B60		B69	
TR-303 DLC RT		2		2
Low Density DLC RT				1
Copper Manhole Investment	B61	All Density Zones	B70	All Density Zones
Materials		\$1,865.00		\$1,865.00
Frame and Cover		\$350.00		\$350.00
Site Delivery		\$125.00		\$125.00
Total (calculated)		\$2,340.00		\$2,340.00
Excavation and Backfill		Density Zone		Density Zone
		0-5		0-5
		\$2,800.00		\$2,800.00
		5-100		5-100
		\$2,800.00		\$2,800.00
		100-200		100-200
		\$2,800.00		\$2,800.00
		200-650		200-650
		\$2,800.00		\$2,800.00
		650-850		650-850
		\$3,200.00		\$3,200.00
		850-2,550		850-2,550
		\$3,500.00		\$3,500.00
		2,550-5,000		2,550-5,000
		\$3,500.00		\$3,500.00
		5,000-10,000		5,000-10,000
		\$5,000.00		\$5,000.00
		10,000+		10,000+
		\$5,000.00		\$5,000.00
Total (calculated)		Density Zone		Density Zone
		0-5		0-5
		\$5,140.00		\$5,140.00
		5-100		5-100
		\$5,140.00		\$5,140.00
		100-200		100-200
		\$5,140.00		\$5,140.00
		200-650		200-650
		\$5,140.00		\$5,140.00
		650-850		650-850
		\$5,540.00		\$5,540.00
		850-2,550		850-2,550
		\$5,840.00		\$5,840.00

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COMPARISON OF HM4 0 AND HM5 0 DEFAULT INPUT VALUES

HM4 0/HM5 0 Input Name	HM4 0 Doc App. B ref.	HM4 0 Values	HM5 0 Doc App. B ref.	HM5 0 Values
		2,550-5,000		2,550-5,000 \$5,840.00
		5,000-10,000		5,000-10,000 \$7,340.00
		10,000+		10,000+ \$7,340.00
Dewatering factor for manhole placement		Not in HM4 0	B71	0.2
Water Table depth for dewatering, Feet		Not in HM4 0	B72	5
Fiber Pulibox investment	B62		B73	
	Materials	\$280		\$280
	Installation	Density Zone		Density Zone
		0-5 \$220.00		0-5 \$220.00
		5-100 \$220.00		5-100 \$220.00
		100-200 \$220.00		100-200 \$220.00
		200-650 \$220.00		200-650 \$220.00
		650-850 \$220.00		650-850 \$220.00
		850-2,550 \$220.00		850-2,550 \$220.00
		2,550-5,000 \$220.00		2,550-5,000 \$220.00
		5,000-10,000 \$220.00		5,000-10,000 \$220.00
		10,000+ \$220.00		10,000+ \$220.00
	(Total (calculated))	Density Zone		Density Zone
		0-5 \$500.00		0-5 \$500.00
		5-100 \$500.00		5-100 \$500.00
		100-200 \$500.00		100-200 \$500.00
		200-650 \$500.00		200-650 \$500.00
		650-850 \$500.00		650-850 \$500.00
		850-2,550 \$500.00		850-2,550 \$500.00
		2,550-5,000 \$500.00		2,550-5,000 \$500.00
		5,000-10,000 \$500.00		5,000-10,000 \$500.00
		10,000+ \$500.00		10,000+ \$500.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values	HM5.0 Doc. App. B ref.	HM5.0 Values
SWITCHING AND INTEROFFICE TRANSMISSION PARAMETERS				
End Office Switching				
Switch Real-Time Limit, BHCA	B63	Switch line size 1 - 1,000 10,000 1,000 - 10,000 50,000 10,000 - 40,000 200,000 40,000+ 600,000	B74	Switch line size 1 - 1,000 10,000 1,000 - 10,000 50,000 10,000 - 40,000 200,000 40,000+ 600,000
Switch Traffic Limit, BHCCS	B64	Switch line size 1 - 1,000 30,000 1,000 - 10,000 150,000 10,000 - 40,000 600,000 40,000+ 1,800,000	B75	Switch line size 1 - 1,000 30,000 1,000 - 10,000 150,000 10,000 - 40,000 600,000 40,000+ 1,800,000
Switch Maximum Line Size	B65	80,000	B76	80,000
Switch Maximum Port Fill	B66	0.98	B77	0.98
Switch Max. Processor Occupancy	B67	0.90	B78	0.90
MDF/Protector Investment per Line	B68	\$12.00	B79	\$12.00
Analog Line Circuit Offset of DLC, per Line	B69	\$5.00	B80	\$5.00
Switch Installation Multiplier	B70	1.10	B81	1.10
EO Switching Investment Constant Term	B71		B82	
		BOC/large ICO: \$242.73		\$242.73
		Small ICO \$416.11		\$416.11
EO Switching Investment Slope Term	B72	(\$14.92)	B83	(\$14.92)
Processor Feature Loading Multiplier	B73		B84	
		Normal 1.20		1.20
		Heavy Business 2.00		2.00
Business Penetration Threshold	B74	0.3	B85	0.3
Wire Center				
Lot Size, Multiplier of Switch Room Size	B75	2	B86	2
Tandem/EO Common Factor	B76	0.4	B87	0.4

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc	HM4.0 Values		HM5.0 Doc	HM5.0 Values	
	App. B ref	Wire Cntr. Lines		App. B ref	Wire Cntr. Lines	
Power Investment	B77	0-1,000	\$5,000.00	B88	0-1,000	\$5,000.00
		1,000-5,000	\$10,000.00		1,000-5,000	\$10,000.00
		5,000-25,000	\$20,000.00		5,000-25,000	\$20,000.00
		25,000-50,000	\$50,000.00		25,000-50,000	\$50,000.00
		50,000+	\$250,000.00		50,000+	\$250,000.00
Switch Room Size, in Sq. Ft	B78	0-1,000	500	B89	0-1,000	500
		1,000-5,000	1,000		1,000-5,000	1,000
		5,000-25,000	2,000		5,000-25,000	2,000
		25,000-50,000	5,000		25,000-50,000	5,000
		50,000+	10,000		50,000+	10,000
Construction Costs, per Sq. Ft.	B79	0-1,000	\$75.00	B90	0-1,000	\$75.00
		1,000-5,000	\$85.00		1,000-5,000	\$85.00
		5,000-25,000	\$100.00		5,000-25,000	\$100.00
		25,000-50,000	\$125.00		25,000-50,000	\$125.00
		50,000+	\$150.00		50,000+	\$150.00
Land Cost, per Sq. Ft.	B80	0-1,000	\$5.00	B91	0-1,000	\$5.00
		1,000-5,000	\$7.50		1,000-5,000	\$7.50
		5,000-25,000	\$10.00		5,000-25,000	\$10.00
		25,000-50,000	\$15.00		25,000-50,000	\$15.00
		50,000+	\$20.00		50,000+	\$20.00
Traffic Parameters						
Local Call Attempts	B81	(ARMIS data)		B92	(ARMIS data)	
Call Completion Factor	B82	0.70		B93	0.70	
IntraLATA Calls Completed	B83	(ARMIS data)		B94	(ARMIS data)	
IntraLATA IntraState Calls Completed	B84	(ARMIS data)		B95	(ARMIS data)	
InterLATA Interstate Calls Completed	B85	(ARMIS data)		B96	(ARMIS data)	
Local DEMs	B86	(ARMIS data)		B97	(ARMIS data)	
IntraState DEMs	B87	(ARMIS data)		B98	(ARMIS data)	

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref	HM4.0 Values	HM5.0 Doc App. B ref	HM5.0 Values
Interstate DEMs	B88	(ARMIS data)	B99	(ARMIS data)
Local Bus/Res DEMs	B89	1.1	B100	1.1
Intrastate Bus/Res DEMs	B90	2.0	B101	2.0
Interstate Bus/Res DEMs	B91	3.0	B102	3.0
Busy Hour Fraction of Daily Usage	B92	0.1	B103	0.1
Annual/Daily Usage Reduction Factor	B93	270	B104	270
Holding Time Multiplier	B94		B105	
	Residential	1.0		1.0
	Business	1.0		1.0
Call Attempts, Busy Hour	B95		B106	
	Residential	1.3		1.3
	Business	3.5		3.5
Interoffice Investment				
Transmission Terminal	B96		B107	
	OC-48 ADM, installed, 48 DS-3s	\$50,000.00		\$50,000.00
	OC-48 ADM, installed, 12 DS-3s	\$40,000.00		\$40,000.00
	OC-3 Term Mux, installed, 84 DS-1s	\$26,000.00		\$26,000.00
	Investment per 7 DS-1s	\$500.00		\$500.00
Number of Fibers, per Ring	B97	24	B108	24
Pigtails, per Strand	B98	\$60.00	B109	\$60.00
Optical Distribution Panel	B99	\$1,000.00	B110	\$1,000.00
EF&I, per Hour	B100	\$55.00	B111	\$55.00
EF&I Hours	B101	32	B112	32
Regenerator, Installed	B102	\$15,000.00	B113	\$15,000.00
Regenerator Spacing, Miles	B103	40	B114	40
Channel Bank Investment, per 24 Lines	B104	\$5,000.00	B115	\$5,000.00
Fract. SA Lines Requiring DS-1 Mux	B105	0.0	B116	0.0
DCS Equipment, installed, per DS-3	B106	\$30,000.00	B117	\$30,000.00
Transmission Terminal Fee (DS-0 level)	B107	0.90	B118	0.90
Fiber Cable, per Foot	B108	\$3.50	B119	\$3.50
Number of Strands per ADM	B109	4	B120	4
Interoffice Structure Percentages	B110		B121	
	Aerial	0.20		0.20
	Buried	0.60		0.60
	Underground (calculated)	0.20		0.20

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values	HM5.0 Doc. App. B ref.	HM5.0 Values
Transport Placement	B111		B122	
Buried		\$1.77		\$1.77
Underground		\$16.40		\$16.40
Buried Sheath Addition, per Foot	B112	\$0.20	B123	\$0.20
Interoffice Conduit, Cost per Foot & Spare Tubes	B113		B124	
Cost per Foot		\$0.60		\$0.60
Number of Spare Tubes		1		1
Pullbox Spacing, Feet	B114	2,000	B125	2,000
Pullbox Investment	B115	\$500.00	B126	\$500.00
Pole Spacing, Interoffice, Feet	B116	150	B127	150
Interoffice Pole Investment	B117		B128	
Materials		\$201.00		\$201.00
Labor		\$216.00		\$216.00
Total (calculated)		\$417.00		\$417.00
Fraction of Structure Shared with Feeder	B118	0.75	B129	0.75
Fraction of Structure Assigned to Telco	B119		B130	
Aerial		0.33		0.33
Buried		0.33		0.33
Underground		0.33		0.33
Transmission Parameters (Interoffice)				
Operator Traffic Fraction	B120	0.02	B131	0.02
Total Interoffice Traffic Fraction	B121	0.65	B132	0.65
Maximum Trunk Occupancy, CCS	B122	27.5	B133	27.5
Trunk Port, per End	B123	\$100.00	B134	\$100.00
Direct-Routed Fract. of Local Interoffice	B124	0.98	B135	0.98
Tandem-routed Fract. of IntraLATA Toll Traffic	B125	0.2	B136	0.2
Tandem-routed Fraction of InterLATA Traffic	B126	0.2	B137	0.2
POPs per Tandem Location	B127	5	B138	5
Threshold value for off-ring wire centers (no. lines)		Not in HM4.0	B139	1
Remote - Host fraction of interoffice traffic		Not in HM4.0	B140	0.1
Host - Remote fraction of interoffice traffic		Not in HM4.0	B141	0.05
Maximum nodes per ring		Not in HM4.0	B142	16
Ring transiting traffic factor		Not in HM4.0	B142a	0.4
Intertandem Fraction of Tandem Traffic		Not in HM4.0	B142b	0.1

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values	HM5.0 Doc. App. B ref.	HM5.0 Values
Tandem Switching				
Real Time Limit, BHCA	B128	750,000	B143	750,000
Port Limit, Trunks	B129	100,000	B144	100,000
Common Equipment Investment	B130	\$1,000,000.00	B145	\$1,000,000.00
Maximum Trunk Fill	B131	0.90	B146	0.90
Maximum Real Time Occupancy	B132		B147	0.60
Common Equipment Intercept Factor	B133	0.50	B148	0.5
Entrance Facility Distance from Serving Wire Center and IXC POP	B134	0.5	B149	0.5
Signaling				
STP Link Capacity	B135	720	B150	720
STP Maximum Fill	B136	0.8	B151	0.8
STP Investment, per Pair, Minimum	B137	\$5,000,000.00	B152	\$5,000,000.00
STP Investment, per Pair, Minimum	B138	\$1,000,000.00	B153	\$1,000,000.00
Link Termination, Both Ends	B139	\$900.00	B154	\$900.00
Signaling Link Bit Rate, bits per Second	B140	56,000	B155	56,000
Link Occupancy	B141	0.40	B156	0.40
C Link Cross-Section	B142	24	B157	24
ISUP Messages per Interoffice BHCA	B143	6	B158	6
ISUP Message Length, Bytes	B144	25	B159	25
TCAP Messages per Transaction	B145	2	B160	2
TCAP Message Length, Bytes	B146	100	B161	100
Fraction of BHCA Requiring TCAP	B147	0.10	B162	0.10
SCP Investment per Transaction per Second	B148	\$20,000.00	B163	\$20,000.00
OS and Public Telephones				
Investment per Position	B149	\$6,400.00	B164	\$6,400.00
Maximum Utilization per Position, CCS	B150	32	B165	32
Operator Intervention Factor	B151	10	B166	10
Public Telephone Investment, per Station	B152	\$760.00	B167	\$760.00
ICO Parameters (surrogate per-line investment for small ICOs)				
STP	B153	\$5.50	B168	\$5.50
Local Tandem I	B154	\$1.90	B169	\$1.90

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values
OS Tandem	B155	\$0.80	B170	\$0.80
SCP	B156	\$2.50	B171	\$2.50
STP/SCP Wire Center	B157	\$0.40	B172	\$0.40
Local Tandem Wire Center	B158	\$2.50	B173	\$2.50
OS Tandem Wire Center	B159	\$1.00	B174	\$1.00
C-Link/Tandem A-Link	B160	\$0.30	B175	\$0.30
Equivalent Facility Investment per DS-0		Not in HM4.0	B175a	\$138.08
Equivalent Terminal Investment per DS-0		Not in HM4.0	B175b	\$111.62
Host/Remote Assignment				
Host/Remote CLI Assignments		Not in HM4.0	B176	Default Settings Do Not Define Host/Remotes
Host/Remote Assignment Enable		Not in HM4.0	B177	Set at Disabled
Host/Remote Investment				
Line Size Designation		Not in HM4.0	B177a	Line Size
				0
				640
				5,000
				10,000
Fixed Investment		Not in HM4.0	B177b	Line Size
BOCs and Large ICs				0
	Standalone			\$175,000.00
				640
				\$175,000.00
				5,000
				\$175,000.00
				10,000
				\$475,000.00
	Host			0
				\$183,750.00
				640
				\$183,750.00
				5,000
				\$183,750.00
				10,000
				\$498,750.00
	Remote			0
				\$10,000.00
				640
				\$55,000.00
				5,000
				\$70,000.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES				
1/5/98				
HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref	HM4.0 Values	HM5.0 Doc App. B ref	HM5.0 Values
				10,000 \$225,000.00
Small ICOs				0 \$300,001.00
	Remote			640 \$300,001.00
				5,000 \$300,001.00
				10,000 \$814,289.00
				0 \$315,001.00
	Host			640 \$315,001.00
				5,000 \$315,001.00
				10,000 \$856,003.00
				0 \$17,143.00
	Remote			640 \$94,288.00
				5,000 \$120,000.00
				10,000 \$385,718.00
Per Line Investment		Not in HM4.0		
BOCs and Large ICOs				Line Size
	Standalone			0 \$75.00
				640 \$75.00
				5,000 \$75.00
				10,000 \$75.00
				0 \$75.00
	Host			640 \$75.00
				5,000 \$75.00
				10,000 \$75.00
				0 \$85.00
	Remote			640 \$83.00
				5,000 \$85.00
				10,000 \$70.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values		
Small ICOs	Remote			0	\$129.00	
				640	\$129.00	
				5,000	\$129.00	
	Host				10,000	\$124.00
					0	\$129.00
					640	\$129.00
Remote				5,000	\$129.00	
				10,000	\$124.00	
				0	\$146.00	
				640	\$141.00	
				5,000	\$146.00	
				10,000	\$120.00	

EXPENSE PARAMETERS

	B161	B178
Cost of Capital		
Cost of Debt	7.70%	7.70%
Debt Fraction	45.00%	45.00%
Cost of Equity	11.90%	11.90%
(Equity Percent (calculated))	55.00%	55.00%
Overall Cost of Capital (calculated)	10.01%	10.01%
Depreciation (years)/Net Salvage	B162	B179
Economic Life		
Motor Vehicles	8.24	8.24
Garage Work Equipment	12.22	12.22
Other Work Equipment	13.04	13.04
Buildings	46.93	46.93
Furniture	15.92	15.92
Office Support Equipment	10.78	10.78
Company Communications Equipment	7.40	7.40
General Purpose Computers	6.12	6.12
Digital Electronic Switching	16.17	16.17

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App B ref.	HM4.0 Values	HM5.0 Doc App B ref.	HM5.0 Values
Operator Systems		9.41		9.41
Digital Circuit Equipment		10.24		10.24
Public Telephone Terminal Equipment		7.60		7.60
Poles		30.25		30.25
Aerial Cable, Metallic		20.61		20.61
Aerial Cable, Non-Metallic		26.14		26.14
Underground Cable, Metallic		25.00		25.00
Underground Cable, Non-Metallic		26.45		26.45
Buried Cable, Metallic		21.57		21.57
Buried Cable, Non-Metallic		25.91		25.91
Intrabuilding Cable, Metallic		18.18		18.18
Intrabuilding Cable, Non-Metallic		26.11		26.11
Conduit Systems		56.19		56.19
MD, SAJ		calculated		calculated
Net Salvage Value, Percent				
Motor Vehicles		11.21%		11.21%
Garage Work Equipment		-10.71%		-10.71%
Other Work Equipment		3.21%		3.21%
Buildings		1.87%		1.87%
Furniture		6.88%		6.88%
Office Support Equipment		6.91%		6.91%
Company Communications Equipment		3.76%		3.76%
General Purpose Computers		3.73%		3.73%
Digital Electronic Switching		2.97%		2.97%
Operator Systems		-0.82%		-0.82%
Digital Circuit Equipment		-1.69%		-1.69%
Public Telephone Terminal Equipment		7.97%		7.97%
Poles		-89.88%		-89.88%
Aerial Cable, Metallic		-23.03%		-23.03%
Aerial Cable, Non-Metallic		-17.53%		-17.53%
Underground Cable, Metallic		-18.26%		-18.26%
Underground Cable, Non-Metallic		-14.58%		-14.58%
Buried Cable, Metallic		-8.39%		-8.39%
Buried Cable, Non-Metallic		-8.58%		-8.58%
Intrabuilding Cable, Metallic		-15.74%		-15.74%

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values	HM5.0 Doc. App. B ref.	HM5.0 Values
Intrabuilding Cable, Non-Metallic Conduit Systems		-10.52% -10.34%		-10.52% -10.34%
Expense Assignment - % assigned/line			B179a	
Furniture - Capital Costs		Not in HM4.0		0%
Furniture - Expenses		Not in HM4.0		0%
Office Equipment - Capital Costs		Not in HM4.0		0%
Office Equipment - Expenses		Not in HM4.0		0%
General Purpose Computers - Capital Costs		Not in HM4.0		0%
General Purpose Computers - Expenses		Not in HM4.0		0%
Motor Vehicles - Capital Costs		Not in HM4.0		0%
Motor Vehicles - Expenses		Not in HM4.0		0%
Buildings - Capital Costs		Not in HM4.0		0%
Buildings - Expenses		Not in HM4.0		0%
Garage Work Equipment - Capital Costs		Not in HM4.0		0%
Garage Work Equipment - Expenses		Not in HM4.0		0%
Other Work - Capital Costs		Not in HM4.0		0%
Other Work - Expenses		Not in HM4.0		0%
Network Operations		Not in HM4.0		0%
Other Taxes		Not in HM4.0		0%
Variable Overhead		Not in HM4.0		0%
Structure Fraction Assigned to Tel.	B163		B180	
Distribution Aerial		Density Zone		Density Zone
		0-5		0-5
		0.50		0.50
		5-100		5-100
		0.33		0.33
		100-200		100-200
		0.25		0.25
		200-650		200-650
		0.25		0.25
		650-850		650-850
		0.25		0.25
		850-2,550		850-2,550
		0.25		0.25
		2,550-5,000		2,550-5,000
		0.25		0.25
		5,000-10,000		5,000-10,000
		0.25		0.25
		10,000+		10,000+
		0.25		0.25

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
Distribution Buried		Density Zone			Density Zone	
		0-5	0.33		0-5	0.33
		5-100	0.33		5-100	0.33
		100-200	0.33		100-200	0.33
		200-650	0.33		200-650	0.33
		650-850	0.33		650-850	0.33
		850-2,550	0.33		850-2,550	0.33
		2,550-5,000	0.33		2,550-5,000	0.33
		5,000-10,000	0.33		5,000-10,000	0.33
	10,000+	0.33		10,000+	0.33	
Distribution Underground		Density Zone			Density Zone	
		0-5	1.00		0-5	1.00
		5-100	0.50		5-100	0.50
		100-200	0.50		100-200	0.50
		200-650	0.50		200-650	0.50
		650-850	0.40		650-850	0.40
		850-2,550	0.33		850-2,550	0.33
		2,550-5,000	0.33		2,550-5,000	0.33
		5,000-10,000	0.33		5,000-10,000	0.33
	10,000+	0.33		10,000+	0.33	
Feeder Aerial		Density Zone			Density Zone	
		0-5	0.50		0-5	0.50
		5-100	0.33		5-100	0.33
		100-200	0.25		100-200	0.25
		200-650	0.25		200-650	0.25
		650-850	0.25		650-850	0.25
		850-2,550	0.25		850-2,550	0.25
		2,550-5,000	0.25		2,550-5,000	0.25
		5,000-10,000	0.25		5,000-10,000	0.25
	10,000+	0.25		10,000+	0.25	

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref	HM4.0 Values	HM5.0 Doc App. B ref	HM5.0 Values	
Feeder Burred					
		Density Zone		Density Zone	
		0-5	0.40	0-5	0.40
		5-100	0.40	5-100	0.40
		100-200	0.40	100-200	0.40
		200-650	0.40	200-650	0.40
		650-850	0.40	650-850	0.40
		850-2,550	0.40	850-2,550	0.40
		2,550-5,000	0.40	2,550-5,000	0.40
		5,000-10,000	0.40	5,000-10,000	0.40
		10,000+	0.40	10,000+	0.40
Feeder Underground					
		Density Zone		Density Zone	
		0-5	0.50	0-5	0.50
		5-100	0.50	5-100	0.50
		100-200	0.40	100-200	0.40
		200-650	0.33	200-650	0.33
		650-850	0.33	650-850	0.33
		850-2,550	0.33	850-2,550	0.33
		2,550-5,000	0.33	2,550-5,000	0.33
		5,000-10,000	0.33	5,000-10,000	0.33
		10,000+	0.33	10,000+	0.33
Other					
Income Tax Rate (federal/state/local)	B164	39.25%	B181	39.25%	
Corporate Overhead Factor	B165	10.40%	B182	10.40%	
Other Taxes Factor	B166	5.00%	B183	5.00%	
Billing/Bill Inquiry per Line per Month	B167	\$1.22	B184	\$1.22	
Directory Listing per Line per Month	B168	\$0.15	B185	\$0.00	
Forward-Looking Network Operations Factor	B169	50%	B186	50%	
Alternative CO Switching Factor	B170	0.0269	B187	0.0269	
Alternative Circuit Equipment Factor	B171	0.0153	B188	0.0153	
End Office Non-Line Port Cost Fraction	B172	70%	B189	70%	
Per-line Monthly LNP Cost	B173	\$0.25	B190	\$0.25	
Carrier-Came: Cust. Svc. per Line per Year	B174	\$1.69	B191	\$1.69	
NID Expense per Line per Year	B175	\$1.00	B192	\$1.00	
DS0/DS1 Terminal Factor	B176	12.4	B193	12.4	

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values	
DS1/DS3 Terminal Factor	B177	9.9	B194	9.9	
Average Lines per Business Location (redundant)	B178	4	B195	4	
Average Trunk Utilization	B179	0.30	B196	0.30	
EXCAVATION AND RESTORATION PARAMETERS					
Underground Excavation	B180		B187		
Trenching					
Trenching Cost, per Foot		Density Zone		Density Zone	
		0-5	\$1.90	0-5	\$1.90
		5-100	\$1.90	5-100	\$1.90
		100-200	\$1.90	100-200	\$1.90
		200-650	\$1.90	200-650	\$1.90
		650-850	\$1.95	650-850	\$1.95
		850-2,550	\$2.15	850-2,550	\$2.15
		2,550-5,000	\$2.15	2,550-5,000	\$2.15
		5,000-10,000	\$6.00	5,000-10,000	\$6.00
		10,000+	\$6.00	10,000+	\$6.00
(Trenching Fraction, (calculated))					
		Density Zone		Density Zone	
		0-5	0.54	0-5	0.54
		5-100	0.54	5-100	0.54
		100-200	0.54	100-200	0.54
		200-650	0.52	200-650	0.52
		650-850	0.52	650-850	0.52
		850-2,550	0.50	850-2,550	0.50
		2,550-5,000	0.35	2,550-5,000	0.35
		5,000-10,000	0.23	5,000-10,000	0.23
		10,000+	0.16	10,000+	0.16
Backhoe					
Backhoe Fraction		Density Zone		Density Zone	
		0-5	0.45	0-5	0.45
		5-100	0.45	5-100	0.45
		100-200	0.45	100-200	0.45
		200-650	0.45	200-650	0.45

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/5.0 Input Name	HM4.0 Doc App B ref	HM4.0 Values		HM5.0 Doc App B ref	HM5.0 Values	
		650-850	0.45		650-850	0.45
		850-2,550	0.45		850-2,550	0.45
		2,550-5,000	0.55		2,550-5,000	0.55
		5,000-10,000	0.67		5,000-10,000	0.67
		10,000+	0.72		10,000+	0.72
Backhoe Cost, per Foot		Density Zone			Density Zone	
		0-5	\$3.00		0-5	\$3.00
		5-100	\$3.00		5-100	\$3.00
		100-200	\$3.00		100-200	\$3.00
		200-650	\$3.00		200-650	\$3.00
		650-850	\$3.00		650-850	\$3.00
		850-2,550	\$3.00		850-2,550	\$3.00
		2,550-5,000	\$3.00		2,550-5,000	\$3.00
		5,000-10,000	\$20.00		5,000-10,000	\$20.00
		10,000+	\$30.00		10,000+	\$30.00
Hand Trench		Density Zone			Density Zone	
Hand Trench Fraction		0-5	0.01		0-5	0.01
		5-100	0.01		5-100	0.01
		100-200	0.01		100-200	0.01
		200-650	0.03		200-650	0.03
		650-850	0.03		650-850	0.03
		850-2,550	0.05		850-2,550	0.05
		2,550-5,000	0.10		2,550-5,000	0.10
		5,000-10,000	0.10		5,000-10,000	0.10
		10,000+	0.12		10,000+	0.12
Hand Trench Cost, per Foot		Density Zone			Density Zone	
		0-5	\$5.00		0-5	\$5.00
		5-100	\$5.00		5-100	\$5.00
		100-200	\$5.00		100-200	\$5.00
		200-650	\$5.00		200-650	\$5.00
		650-850	\$5.00		650-850	\$5.00
		850-2,550	\$5.00		850-2,550	\$5.00

COMPARISON OF HM4.0 AND HM5.0 INPUT VALUES
1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
		2,550-5,000	\$5.00		2,550-5,000	\$5.00
		5,000-10,000	\$10.00		5,000-10,000	\$10.00
		10,000+	\$18.00		10,000+	\$18.00
Underground Restoration	B181			B198		
Cut/Restore Asphalt						
Cut/Restore Asphalt Fraction		Density Zone			Density Zone	
		0-5	0.55		0-5	0.55
		5-100	0.55		5-100	0.55
		100-200	0.55		100-200	0.55
		200-650	0.65		200-650	0.65
		650-850	0.70		650-850	0.70
		850-2,550	0.75		850-2,550	0.75
		2,550-5,000	0.75		2,550-5,000	0.75
		5,000-10,000	0.80		5,000-10,000	0.80
		10,000+	0.82		10,000+	0.82
Cut/Restore Asphalt Cost, per Foot		Density Zone			Density Zone	
		0-5	\$6.00		0-5	\$6.00
		5-100	\$6.00		5-100	\$6.00
		100-200	\$6.00		100-200	\$6.00
		200-650	\$6.00		200-650	\$6.00
		650-850	\$6.00		650-850	\$6.00
		850-2,550	\$6.00		850-2,550	\$6.00
		2,550-5,000	\$6.00		2,550-5,000	\$6.00
		5,000-10,000	\$18.00		5,000-10,000	\$18.00
		10,000+	\$30.00		10,000+	\$30.00
Cut/Restore Concrete						
Cut/Restore Concrete Fraction		Density Zone			Density Zone	
		0-5	0.10		0-5	0.10
		5-100	0.10		5-100	0.10
		100-200	0.10		100-200	0.10
		200-650	0.10		200-650	0.10
		650-850	0.10		650-850	0.10
		850-2,550	0.10		850-2,550	0.10
		2,550-5,000	0.15		2,550-5,000	0.15

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values	HM5.0 Doc. App. B ref.	HM5.0 Values
		5,000-10,000		5,000-10,000
		0.15		0.15
		10,000+		10,000+
		0.16		0.16
Cut/Restore Concrete Cost, per Foot		Density Zone		Density Zone
		0-5		0-5
		\$9.00		\$9.00
		5-100		5-100
		\$9.00		\$9.00
		100-200		100-200
		\$9.00		\$9.00
		200-650		200-650
		\$9.00		\$9.00
		650-850		650-850
		\$9.00		\$9.00
		850-2,550		850-2,550
		\$9.00		\$9.00
		2,550-5,000		2,550-5,000
		\$9.00		\$9.00
		5,000-10,000		5,000-10,000
		\$21.00		\$21.00
		10,000+		10,000+
		\$36.00		\$36.00
Cut/Restore Sod				
Cut/Restore Sod Fraction		Density Zone		Density Zone
		0-5		0-5
		0.01		0.01
		5-100		5-100
		0.01		0.01
		100-200		100-200
		0.01		0.01
		200-650		200-650
		0.03		0.03
		650-850		650-850
		0.04		0.04
		850-2,550		850-2,550
		0.06		0.06
		2,550-5,000		2,550-5,000
		0.04		0.04
		5,000-10,000		5,000-10,000
		0.02		0.02
		10,000+		10,000+
		0.00		0.00
Cut/Restore Sod Cost, per Foot		Density Zone		Density Zone
		0-5		0-5
		\$1.00		\$1.00
		5-100		5-100
		\$1.00		\$1.00
		100-200		100-200
		\$1.00		\$1.00
		200-650		200-650
		\$1.00		\$1.00
		650-850		650-850
		\$1.00		\$1.00
		850-2,550		850-2,550
		\$1.00		\$1.00
		2,550-5,000		2,550-5,000
		\$1.00		\$1.00
		5,000-10,000		5,000-10,000
		\$1.00		\$1.00
		10,000+		10,000+
		\$1.00		\$1.00

COMPARISON OF HM 0 AND HM5 0 DEFAULT INPUT VALUES

1/5/88

HM 0/HM5 0 Input Name	HM 0 Doc App. B ref.	HM 0 Values	HM 0 Values	HM 5 0 Doc App. B ref.	HM 5 0 Values
Simple Backfill					
(Simple Backfill Fraction, (calculated))		Density Zone			Density Zone
		0-5	0.34		0-5 0.34
		5-100	0.34		5-100 0.34
		100-200	0.34		100-200 0.34
		200-650	0.22		200-650 0.22
		650-850	0.16		650-850 0.16
		850-2,550	0.09		850-2,550 0.09
		2,550-5,000	0.06		2,550-5,000 0.06
		5,000-10,000	0.03		5,000-10,000 0.03
		10,000+	0.02		10,000+ 0.02
Simple Backfill Cost, per Foot		Density Zone			Density Zone
		0-5	\$0.15		0-5 \$0.15
		5-100	\$0.15		5-100 \$0.15
		100-200	\$0.15		100-200 \$0.15
		200-650	\$0.15		200-650 \$0.15
		650-850	\$0.15		650-850 \$0.15
		850-2,550	\$0.15		850-2,550 \$0.15
		2,550-5,000	\$0.15		2,550-5,000 \$0.15
		5,000-10,000	\$0.15		5,000-10,000 \$0.15
		10,000+	\$0.15		10,000+ \$0.15
Conduit Placement/Stabilization					
Pavement Cost, per Foot		Density Zone			Density Zone
		0-5	\$5.00		0-5 \$5.00
		5-100	\$5.00		5-100 \$5.00
		100-200	\$5.00		100-200 \$5.00
		200-650	\$5.00		200-650 \$5.00
		650-850	\$5.00		650-850 \$5.00
		850-2,550	\$9.00		850-2,550 \$9.00
		2,550-5,000	\$13.00		2,550-5,000 \$13.00
		5,000-10,000	\$17.00		5,000-10,000 \$17.00
		10,000+	\$20.00		10,000+ \$20.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/9d

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
Dirt Cost, per Foot		Density Zone			Density Zone	
		0-5	\$1.00		0-5	\$1.00
		5-100	\$1.00		5-100	\$1.00
		100-200	\$1.00		100-200	\$1.00
		200-650	\$1.00		200-650	\$1.00
		650-850	\$1.00		650-850	\$1.00
		850-2,550	\$4.00		850-2,550	\$4.00
		2,550-5,000	\$11.00		2,550-5,000	\$11.00
		5,000-10,000	\$12.00		5,000-10,000	\$12.00
		10,000+	\$18.00		10,000+	\$18.00
Buried Excavation						
	B182			B199		
Plow		Density Zone			Density Zone	
		0-5	0.60		0-5	0.60
		5-100	0.60		5-100	0.60
		100-200	0.60		100-200	0.60
		200-650	0.50		200-650	0.50
		650-850	0.35		650-850	0.35
		850-2,550	0.20		850-2,550	0.20
		2,550-5,000	0.00		2,550-5,000	0.00
		5,000-10,000	0.00		5,000-10,000	0.00
		10,000+	0.00		10,000+	0.00
Plow Cost, per Foot		Density Zone			Density Zone	
		0-5	\$0.80		0-5	\$0.80
		5-100	\$0.60		5-100	\$0.80
		100-200	\$0.80		100-200	\$0.80
		200-650	\$0.80		200-650	\$0.80
		650-850	\$0.80		650-850	\$0.80
		850-2,550	\$1.20		850-2,550	\$1.20
		2,550-5,000	\$1.20		2,550-5,000	\$1.20
		5,000-10,000	\$1.20		5,000-10,000	\$1.20
		10,000	\$1.20		10,000+	\$1.20
Regular Trenching (Regular Trench Fraction, (calculated))		Density Zone			Density Zone	
		0-5	0.30		0-5	0.30
		5-100	0.30		5-100	0.30

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc App. B ref	HM4.0 Values	HM5.0 Doc App. B ref	HM5.0 Values
		100-200 0.30		100-200 0.30
		200-650 0.40		200-650 0.40
		650-850 0.53		650-850 0.53
		850-2,550 0.63		850-2,550 0.63
		2,550-5,000 0.81		2,550-5,000 0.81
		5,000-10,000 0.79		5,000-10,000 0.79
		10,000+ 0.60		10,000+ 0.60
Regular Trench Cost, per Foot		Density Zone		Density Zone
		0-5 \$1.90		0-5 \$1.90
		5-100 \$1.90		5-100 \$1.90
		100-200 \$1.90		100-200 \$1.90
		200-650 \$1.90		200-650 \$1.90
		650-850 \$1.95		650-850 \$1.95
		850-2,550 \$2.15		850-2,550 \$2.15
		2,550-5,000 \$2.15		2,550-5,000 \$2.15
		5,000-10,000 \$6.00		5,000-10,000 \$6.00
		10,000+ \$15.00		10,000+ \$15.00
Backhoe				
Backhoe Fraction		Density Zone		Density Zone
		0-5 0.10		0-5 0.10
		5-100 0.10		5-100 0.10
		100-200 0.10		100-200 0.10
		200-850 0.10		200-850 0.10
		650-850 0.10		650-850 0.10
		850-2,550 0.10		850-2,550 0.10
		2,550-5,000 0.10		2,550-5,000 0.10
		5,000-10,000 0.10		5,000-10,000 0.10
		10,000+ 0.25		10,000+ 0.25
Backhoe Cost, per Foot		Density Zone		Density Zone
		0-5 \$3.00		0-5 \$3.00
		5-100 \$3.00		5-100 \$3.00
		100-200 \$3.00		100-200 \$3.00
		200-650 \$3.00		200-650 \$3.00
		650-850 \$3.00		650-850 \$3.00
		850-2,550 \$3.00		850-2,550 \$3.00

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0/HM5.0 Input Name	HM4.0 Doc. App. B ref.	HM4.0 Values		HM5.0 Doc. App. B ref.	HM5.0 Values	
		2,550-5,000	\$3.00		2,550-5,000	\$3.00
		5,000-10,000	\$20.00		5,000-10,000	\$20.00
		10,000+	\$20.00		10,000+	\$20.00
Hand Trench						
Hand Trench Fraction		Density Zone			Density Zone	
		0-5	0		0-5	0
		5-100	0		5-100	0
		100-200	0		100-200	0
		200-650	0.01		200-650	0.01
		650-850	0.02		650-850	0.02
		850-2,550	0.04		850-2,550	0.04
		2,550-5,000	0.05		2,550-5,000	0.05
		5,000-10,000	0.06		5,000-10,000	0.06
		10,000+	0.10		10,000+	0.10
Hand Trench Cost, per Foot		Density Zone			Density Zone	
		0-5	\$5.00		0-5	\$5.00
		5-100	\$5.00		5-100	\$5.00
		100-200	\$5.00		100-200	\$5.00
		200-650	\$5.00		200-650	\$5.00
		650-850	\$5.00		650-850	\$5.00
		850-2,550	\$5.00		850-2,550	\$5.00
		2,550-5,000	\$5.00		2,550-5,000	\$5.00
		5,000-10,000	\$10.00		5,000-10,000	\$10.00
		10,000+	\$18.00		10,000+	\$18.00
Bore Cable						
Bore Cable Fraction		Density Zone			Density Zone	
		0-5	0		0-5	0
		5-100	0		5-100	0
		100-200	0		100-200	0
		200-650	0		200-650	0
		650-850	0		650-850	0
		850-2,550	0.03		850-2,550	0.03
		2,550-5,000	0.04		2,550-5,000	0.04
		5,000-10,000	0.05		5,000-10,000	0.05
		10,000+	0.05		10,000+	0.05

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COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

HM4.0 Doc		HM5.0 Doc	
HM4.0/HM5.0 Input Name	App. B ref	HM4.0 Values	HM5.0 Values
Bore Cable Cost, per Foot		Density Zone	Density Zone
		0-5	0-5
		\$11.00	\$11.00
		5-100	5-100
		\$11.00	\$11.00
		100-200	100-200
		\$11.00	\$11.00
		200-650	200-650
		\$11.00	\$11.00
		650-850	650-850
		\$11.00	\$11.00
		850-2,550	850-2,550
		\$11.00	\$11.00
		2,550-5,000	2,550-5,000
		\$11.00	\$11.00
		5,000-10,000	5,000-10,000
		\$11.00	\$11.00
		10,000+	10,000+
		\$18.00	\$18.00
Buried Installation and Restoration	B183		B200
Push Pipe/Pull Cable			
Push Pipe/Pull Cable Fraction		Density Zone	Density Zone
		0-5	0-5
		0.02	0.02
		5-100	5-100
		0.02	0.02
		100-200	100-200
		0.02	0.02
		200-650	200-650
		0.02	0.02
		650-850	650-850
		0.02	0.02
		850-2,550	850-2,550
		0.04	0.04
		2,550-5,000	2,550-5,000
		0.05	0.05
		5,000-10,000	5,000-10,000
		0.06	0.06
		10,000+	10,000+
		0.06	0.06
Push Pipe/Pull Cable Instl. Cost, per Foot		Density Zone	Density Zone
		0-5	0-5
		\$6.00	\$6.00
		5-100	5-100
		\$6.00	\$6.00
		100-200	100-200
		\$6.00	\$6.00
		200-650	200-650
		\$6.00	\$6.00
		650-850	650-850
		\$6.00	\$6.00
		850-2,550	850-2,550
		\$6.00	\$6.00
		2,550-5,000	2,550-5,000
		\$6.00	\$6.00
		5,000-10,000	5,000-10,000
		\$6.00	\$6.00
		10,000+	10,000+
		\$24.00	\$24.00
Cut/Restore Asphalt			
Cut/Restore Asphalt Fraction		Density Zone	Density Zone
		0-5	0-5
		0.03	0.03
		5-100	5-100
		0.03	0.03

COMPARISON OF HM4.0 AND HM5.0 DEFAULT INPUT VALUES

1/5/98

HM4.0-HM5.0 Input Name	HM4.0 Doc		HM5.0 Doc		
	App. B ref	HM4.0 Values	App. B ref	HM5.0 Values	
		100-200	0.03	100-200	0.03
		200-650	0.03	200-650	0.03
		650-850	0.03	650-850	0.03
		850-2,550	0.05	850-2,550	0.05
		2,550-5,000	0.08	2,550-5,000	0.08
		5,000-10,000	0.18	5,000-10,000	0.18
		10,000+	0.60	10,000+	0.60
Cut/Restore Asphalt Instl. Cost, per Foot		Density Zone		Density Zone	
		0-5	\$6.00	0-5	\$6.00
		5-100	\$6.00	5-100	\$6.00
		100-200	\$6.00	100-200	\$6.00
		200-650	\$6.00	200-650	\$6.00
		650-850	\$6.00	650-850	\$6.00
		850-2,550	\$6.00	850-2,550	\$6.00
		2,550-5,000	\$6.00	2,550-5,000	\$6.00
		5,000-10,000	\$18.00	5,000-10,000	\$18.00
		10,000+	\$30.00	10,000+	\$30.00
Cut/Restore Concrete		Density Zone		Density Zone	
Cut/Restore Concrete Fraction		Density Zone		Density Zone	
		0-5	0.01	0-5	0.01
		5-100	0.01	5-100	0.01
		100-200	0.01	100-200	0.01
		200-650	0.01	200-650	0.01
		650-850	0.01	650-850	0.01
		850-2,550	0.03	850-2,550	0.03
		2,550-5,000	0.05	2,550-5,000	0.05
		5,000-10,000	0.08	5,000-10,000	0.08
		10,000+	0.20	10,000+	0.20
Cut/Restore Concrete Instl. Cost, per Foot		Density Zone		Density Zone	
		0-5	\$9.00	0-5	\$9.00
		5-100	\$9.00	5-100	\$9.00
		100-200	\$9.00	100-200	\$9.00
		200-650	\$9.00	200-650	\$9.00
		650-850	\$9.00	650-850	\$9.00
		850-2,550	\$9.00	850-2,550	\$9.00
		2,550-5,000	\$9.00	2,550-5,000	\$9.00

COMPARISON OF HM4 0 AND HM5 0 DEFAULT INPUT VALUES
1/5-98

HM4 0/HM5 0 Input Name	HM4 0 Doc App. B ref	HM4 0 Values		HM5 0 Doc App. B ref	HM5 0 Values	
		5,000-10,000	\$21.00		5,000-10,000	\$21.00
Cut/Restore Sod		10,000+	\$36.00		10,000+	\$36.00
Cut/Restore Sod Fraction:		Density Zone			Density Zone	
		0-5	0.02		0-5	0.02
		5-100	0.02		5-100	0.02
		100-200	0.02		100-200	0.02
		200-650	0.02		200-650	0.02
		650-850	0.02		650-850	0.02
		850-2,550	0.35		850-2,550	0.35
		2,550-5,000	0.35		2,550-5,000	0.35
		5,000-10,000	0.11		5,000-10,000	0.11
		10,000+	0.05		10,000+	0.05
Cut/Restore Sod instl. Cost, per Foot		Density Zone			Density Zone	
		0-5	\$1.00		0-5	\$1.00
		5-100	\$1.00		5-100	\$1.00
		100-200	\$1.00		100-200	\$1.00
		200-650	\$1.00		200-650	\$1.00
		650-850	\$1.00		650-850	\$1.00
		850-2,550	\$1.00		850-2,550	\$1.00
		2,550-5,000	\$1.00		2,550-5,000	\$1.00
		5,000-10,000	\$1.00		5,000-10,000	\$1.00
		10,000+	\$1.00		10,000+	\$1.00
Restoral		Density Zone:			Density Zone	
Restoral Not Required Fraction:		0-5	0.62		0-5	0.62
		5-100	0.62		5-100	0.62
		100-200	0.62		100-200	0.62
		200-650	0.52		200-650	0.52
		650-850	0.37		650-850	0.37
		850-2,550	0.27		850-2,550	0.27
		2,550-5,000	0.09		2,550-5,000	0.09
		5,000-10,000	0.11		5,000-10,000	0.11
		10,000+	0.11		10,000+	0.11

COF		HM4.0 AND HM5.0 DEFAULT INPUT VALUES			
1/5/98					
HM4.0/HM5.0 Input Name	HM4.0 Doc App B ref.	HM4.0 Values		HM5.0 Doc App B ref.	HM5.0 Values
<i>(Simple Backfill Restoral Fract., (calculated))</i>		Density Zone			Density Zone
		0-5	0.38		0-5 0.32
		5-100	0.38		5-100 0.32
		100-200	0.38		100-200 0.32
		200-650	0.48		200-650 0.42
		650-850	0.63		650-850 0.57
		850-2,550	0.73		850-2,550 0.30
		2,550-5,000	0.81		2,550-5,000 0.43
		5,000-10,000	0.89		5,000-10,000 0.52
		10,000+	0.89		10,000+ 0.64
Simple Backfill Restoral Cost, per Foot		Density Zone			Density Zone
		0-5	\$0.15		0-5 \$0.15
		5-100	\$0.15		5-100 \$0.15
		100-200	\$0.15		100-200 \$0.15
		200-650	\$0.15		200-650 \$0.15
		650-850	\$0.15		650-850 \$0.15
		850-2,550	\$0.15		850-2,550 \$0.15
		2,550-5,000	\$0.15		2,550-5,000 \$0.15
		5,000-10,000	\$0.15		5,000-10,000 \$0.15
		10,000+	\$0.15		10,000+ \$0.15
Surface Texture Effect		B184		B201	
(HM4.0 Documentation, Appendix B, Parameter B184, and HM5.0 Documentation, Appendix B, Parameter B203, give the same installation costs for 258 soil types specified in the C&G database. Installation cost multipliers range from 1.0 to 4.0. Fraction of C&G affected is set to a conservatively high 1.00 for each soil type. A few examples of installation multipliers for different soil types are given here.)					
Installation Cost Multiplier					
	bouldery		1.0		1.0
	clay		1.0		1.0
	sandy loam		1.0		1.0
	very bouldery		1.1		1.1

COMPARISON OF H4 AND H5 DEFAULT INPUT VALUES

1/5/98

HM4 OR HM5.0 Input Name	HM4.0 Doc App. B ref.	HM4.0 Values	HM5.0 Doc App. B ref.	HM5.0 Values
Ice or frozen soil		1.5		1.5
extremely shaly		2.0		2.0
Slaty		3.0		3.0
Extremely Slaty		4.0		4.0