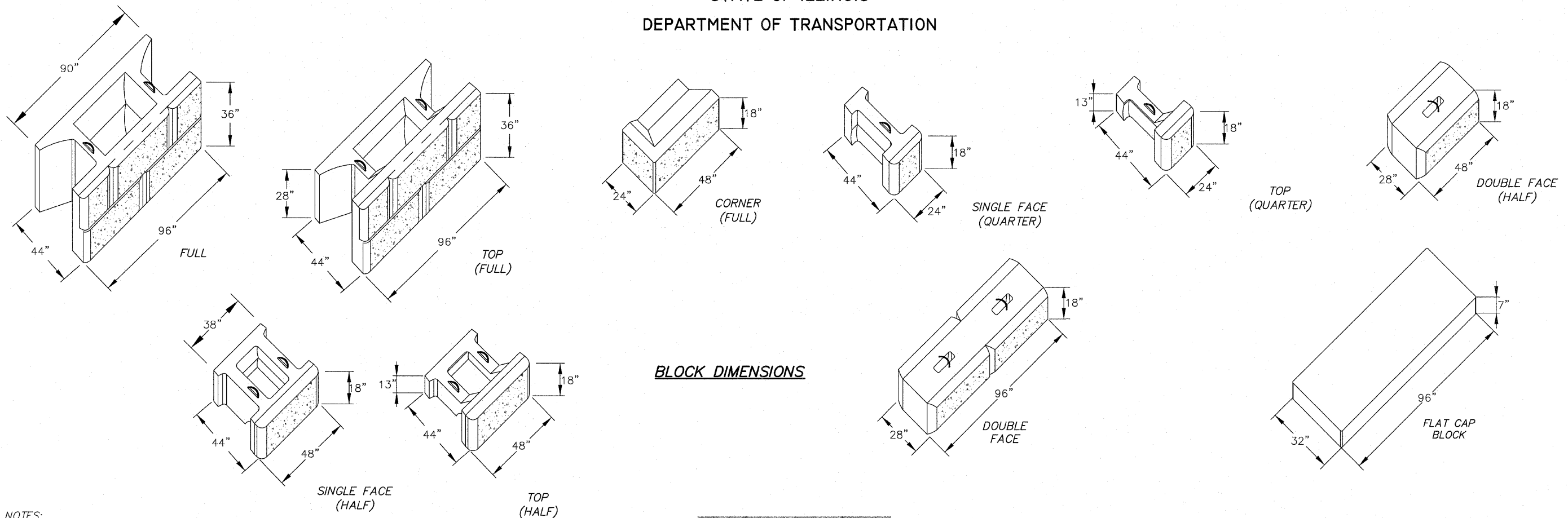
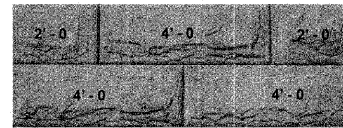


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BLOCK DIMENSIONS



BLOCK PATTERN

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1. GENERAL NOTES
2. PRECAST MODULAR BLOCK WALL No. 1
3. PRECAST MODULAR BLOCK WALL No. 2
4. PRECAST MODULAR BLOCK WALL No. 3
5. PRECAST MODULAR BLOCK WALL No. 4

BORING NUMBER	STATION	OFFSET	GROUND ELEV.	WEATHERED ROCK	AUGER REFUSAL
B-1	205+62	20.1' LT	728		
B-2	206+69	44.3' LT	728		
B-3	207+60	36.1' LT	728	710	701.5
B-4	208+20	43.1' RT	695	693.5	692.7
B-5	209+64	59.9' RT	693	691	691
B-6	210+83	40.15' RT	696	693	693
B-7	212+10	37.74' RT	696	694.5	694.5
B-8	213+71	34.17' RT	698	695	691.5
B-9	211+98	31.8' LT	716	710	706
B-10	211+67	77.9' LT	720	712	710
B-11	212+57	61.6' LT	721	710	705
B-12	211+12	200.5' LT	736	714	714
B-13	212+13	155.2' LT	730	709	709
B-14	209+57	39.5' LT	730	711	705
B-15	208+63	54.3' LT	730	712	700

BILL OF MATERIAL

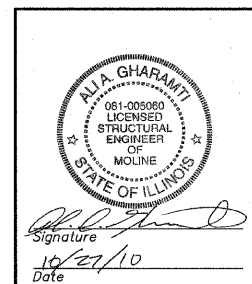
ITEM	UNITS	TOTAL QUANTITY	MRW 1	MRW 2	MRW 3	MRW 4
Modular Block Wall Units *	Sq. Ft.	6,794	3,040	888	2,025	841
Granular Embankment, Special	Cu. Yd.	465	180	60	180	45
Pipe Underdrain for Structures 4"	Foot	603	218	134	182	69
Staining Concrete Structures	Sq. Yd.	0	0	0	0	0

M.R.W.S. = PRECAST MODULAR BLOCK WALL

* Quantity includes payment for all finished rock faces. Corner Block will include measurement for payment of both faces. Cap Block will be measured along one edge only for payment.

GENERAL NOTES:

1. The Contractor shall supply shop drawings for the proposed wall. The design shown is for Stone Strong ® Wall System. Tie-backs or mass extenders may be required. If the contractor elects to provide a different wall system, he shall supply shop drawings signed and sealed by an Illinois Licensed Structural Engineer with required stability calculations. Any proposed wall system shall conform to the general appearance and stability of that shown.
2. Mass extenders or tie-back system shall be calculated using a minimum factor of safety of 2.0 for overturning and Bearing and 1.5 for sliding.
3. The contractor shall coordinate the Precast Modular Block Wall (M.R.W.) with Form Liner-Textured Surface to ensure that they match. A sample will be required before ordering material.
4. Leveling base may be concrete or coarse aggregate based on manufactures recommendations and shop drawings. Place compacted base material on undisturbed inorganic soil in accordance with manufactures recommendations, 9" minimum thickness. The cost of leveling base, cutoff trench, unit fill of blocks, and any required mass extenders or tie-backs shall be incidental to the square foot price of the M.R.W.
5. Granular Embankment for unit fill will not be measured for payment but shall be included in the square foot price for the Modular Retaining Wall System.
6. The Contractor shall begin construction of Wall No.1 and Wall No.2 at the North ends and progress South. If cutting is necessary to achieve a snug fit, it shall be done at Overlook No.1 for M.R.W.S. No. 1 and the Joint with C.I.P. Wall 30 for M.R.W.S. 4.
7. A Cap Block shall be securely fastened to the Double-face Block on the top of M.R.W.S. No.1 with an approved epoxy. Double-face Blocks that step down shall have a third face on the revealed end. If cutting of Cap Block is necessary to lay on a radius, the cutting shall be incidental to the Block.
8. Step downs in Walls No. 2, 3 and 4 shall have corner blocks for the exposed faces.
9. The retaining walls shall be installed in accordance with the Manufacturer's written specifications and details.
10. Granular Embankment (Special) shall be placed in accordance with Section 207 of the Standard Specifications for Road and Bridge Construction.
11. The Contractor shall excavate to the lines shown on the plans being careful not to disturb embankment materials beyond the limits needed for wall excavation. Excavation and Granular Backfill beyond the Pay Limits shown on the plans is the responsibility of the Contractor and will not be included for payment. The Contractor is responsible for determining the means and methods for excavating and necessary shoring required to maintain excavation and protect workers, adjacent property, and utilities.
12. All disturbed areas which are not paved shall be graded and treated in accordance with the restoration and Landscaping Plan.
13. Minimum soil bearing pressure shall be 2000 p.s.f. and shall be field verified before setting modular blocks.
14. Portions of M.R.W. No. 1 are located within the proposed haul road for the Contractor. The Contractor shall be advised that the backfilling of S.P.R. Wall 20 is required before casting the C.I.P. face. The Contractor shall consider the completion of a portion of M.R.W. No. 1 from Station 207+04.7 to Station 208+05 relative to this backfilling requirement. See notes for S.P.R. Wall 20 on Sheet 80.



EXP: 11/20/12

DESIGNED	CTB
CHECKED	AAG
DRAWN	JAW
CHECKED	JWH

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SHEET NO. 1
5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00543-00-BT	WINNEBAGO	148	75
CONTRACT NO.			85521	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PRECAST MODULAR BLOCK WALLS

H:\08-008 Rivervale Museum\DESIGN\DRAWINGS\STRUCTURAL\08-008 Modular R Walls.dwg, MRW NOTES, 10/26/2010 5:52:48 PM, MEAL, Cae D+ 24x36 in (Landscape), 1:1