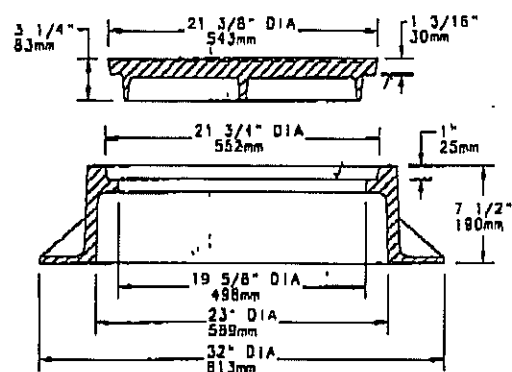


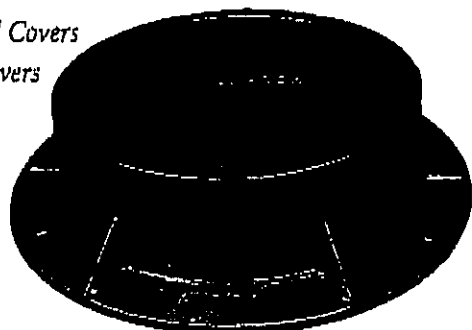
BASE FLANGE MANHOLE AND CATCH BASIN COVERS

2005 Frame and Cover

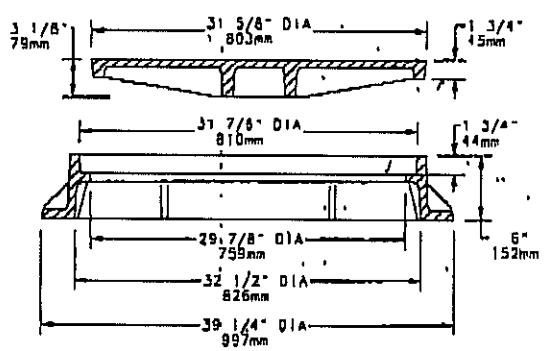


Heavy Duty
Machined bearing surfaces
350 pounds (159kg) total weight

Options:
Solid or Vented Covers
Gasket Seal Covers

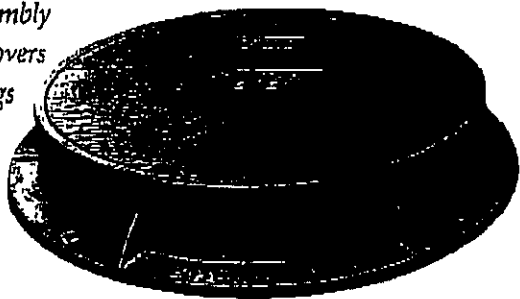


2010 Frame and Cover

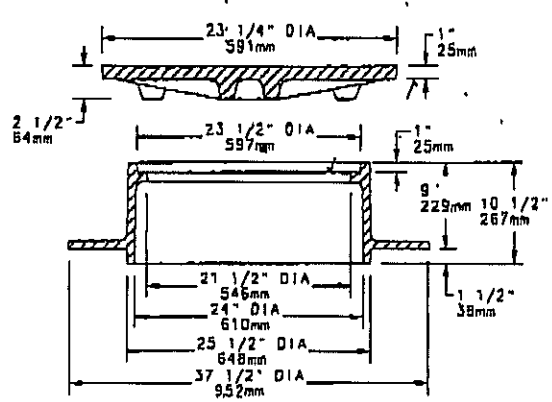


Heavy Duty
Machined bearing surfaces
430 pounds (195kg) total weight

Options:
Solid or Vented Covers
Watertite Assembly
Gasket Seal Covers
Adjusting Rings



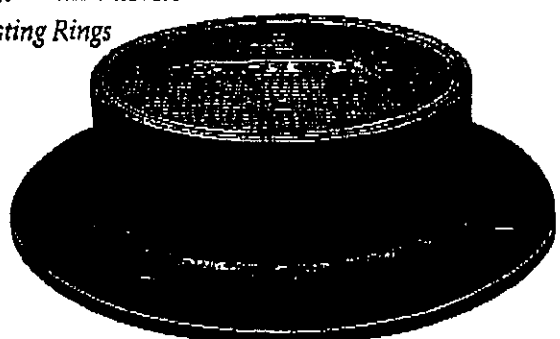
2015 Frame and Cover



Heavy Duty
Machined bearing surfaces
Cover has 4 - 1" diameter holes
315 pounds (143kg) total weight

Options:
Solid or Vented Covers
Adjusting Rings

SHAWMUT
M.H.
Recon.



defm C.O.M. 10/4/07

7030 Catch Basin Curb Inlets

Heavy Duty

With Type M2 Grate and
T1 Back

260 sq. inches open area

Curb adjustment
from 3 1/4" to 9"
(83mm to 229mm)

See table for assembled weights

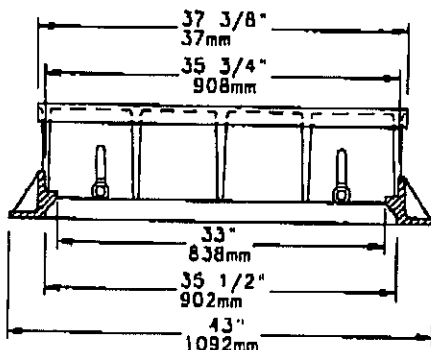
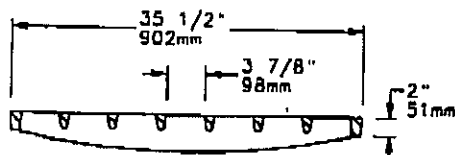
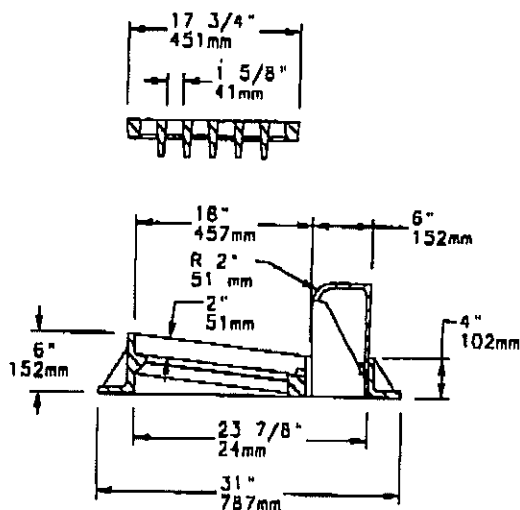
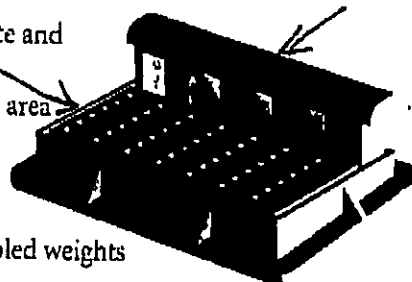


Table of Assembled Weights					
BACK TYPE	GRATE TYPE				
	M2	M3	M4	M5	M6
T1	560 lbs (254kg)	520 lbs (236kg)	550 lbs (249kg)	550 lbs (249kg)	520 lbs (236kg)
T2	545 lbs (247kg)	505 lbs (229kg)	535 lbs (243kg)	535 lbs (243kg)	505 lbs (229kg)
T3	525 lbs (238kg)	485 lbs (220kg)	515 lbs (234kg)	515 lbs (234kg)	485 lbs (220kg)
T4	580 lbs (263kg)	540 lbs (245kg)	570 lbs (259kg)	570 lbs (259kg)	540 lbs (245kg)
T5	495 lbs (225kg)	455 lbs (206kg)	485 lbs (220kg)	485 lbs (220kg)	455 lbs (206kg)
T6	525 lbs (238kg)	485 lbs (220kg)	515 lbs (234kg)	515 lbs (234kg)	485 lbs (220kg)



TYPE M3 Diagonal Bar Grate
Approx. 315 sq. inches open
area, 2 1/4" wide opening
between bars
Not recommended
for bicycle traffic



TYPE T3 Back
12" (305mm)
Concave Curb Radius
No Curb Adjustment
120 sq. inches open area



TYPE M4 Vane Grate
Approx. 260 sq. inches
open area



TYPE T4 Back
3" (76mm) Curb Radius
Curb Adjustable 6" to 11"
(152mm to 279mm)



TYPE M5 Diagonal Bar Grate
Approx. 225 sq. inches
open area, 1 1/4" wide opening
between bars
Not recommended for bicycle traffic



TYPE T5 Back
No Curb Radius
Curb Adjustable 4 1/2" to 8"
(114mm to 203mm)



TYPE M6 Vane Grate
Approx. 220 sq. inches
open area

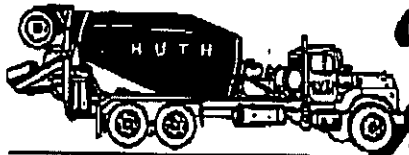
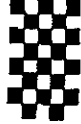


TYPE T6
Light Weight Back
3" (76mm) Curb Radius
Curb Adjustable 6" to 10"
(152mm to 254mm)



TYPE T2 Back
12" (305mm) Curb Radius
Curb Adjustable 4" to 9"
(102mm to 229mm)

for C.O.M.
10/14/07



Huth

READY MIX & SUPPLY COMPANY

Pride in our Product...
Proud of our Drivers

SEPTEMBER 26th, 2007

PHONE (330) 833-4191 • FAX (330) 833-4199
501 FIFTH STREET N.W. • P.O. BOX 524
MASSILLON, OHIO 44648-0524

DAVE SCHOENLEIN

THE SHELLEY CO.

CITY OF MASSILLON CHERRY ROAD PROJECT

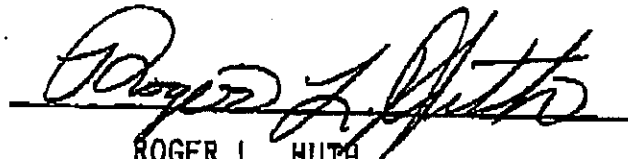
MIX DESIGN

ODOT CLASS C / LIMESTONE

ONE(1) CUBIC YARD

CEMENT-TYPE I-----	600 lbs.
CONCRETE SAND-----	1325 lbs.
#57 LIMESTONE-----	1700 lbs.
WATER-----	26 Gallon
AIR ENTRAINMENT-----	5/8 Oz. 7100#

ok from C.O.M.
10/4/07


 ROGER L. HUTH,
 PRESIDENT


PRODUCER: ALLIED CORP., INC.
 PROJECT: _____
 SPEC.(NO/DATE): _____

DATE SUBMITTED: 9/26/2007
 MIX TYPE: TYPE 1 (MED/SURF)
 TRAFFIC VOLUME: MEDIUM

JMF

BM3421-73-FIM-VR

MIX GRADATION
U.S. SIEVES

2	100
1 1/2	100
1	100
3/4	100
1/2	100
3/8	96
#4	54
#8	38
#16	30
#30	19
#50	8
#100	4
#200	2.2

PG. CONTENT @ MAX. UNIT WEIGHT: N/A
 PG. CONTENT @ MEDIAN VOIDS: 6.0
 PG. CONTENT @ MAX. STABILITY: N/A

* OPTIMUM PG. CONTENT: 6.0
 FOR RAP DESIGN: 6.0
 VIRGIN PG.: 64-22

Thompson McCULLYPG. REQUIRED BY PROPOSAL: 64-22

* CONSULT APPLICABLE SPECIFICATION FOR
 METHOD OF OPTIMUM DETERMINATION

F/A= 0.37 F/T= 0 TSR= 76.5

COARSE AGGREGATE:

%	SIZE	TYPE	PRODUCER / LOCATION	CODE
60%	#8	GR	ALLIED CORP., INC. MASSILLON, OHIO	

FINE AGGREGATE:

%	SIZE	TYPE	PRODUCER / LOCATION	CODE
40%	SND	NAT	ALLIED CORP., INC. MASSILLON, OHIO	

RAP:

%	DESCRIPTION **
0%	

** IF TAKEN FROM STATE ROUTE ENTER STATE ROUTE AND PROJECT. IF NON-STATE ROUTE ENTER SIZE, TYPE AND SOURCE / LOCATION OF FINE AND COARSE AGGREGATE — ALSO SOURCE OF INFORMATION.

290 F Compaction Temp

***** FOR OFFICIAL USE ONLY *****

AT OPTIMUM A.C. CONTENT:

STAB.) _____ MAX. THEORETICAL) _____ ORIG. REC.) _____

FLOW) _____ MEDIAN AIR VOIDS) _____ RESUBMIT REC.) _____

% AIR VOIDS) _____ DESIGN: 5 POINT) _____ CALIBRATION NO.) _____

UNIT WT.) _____ JMF NO.) _____

V.M.A.) _____ DATE APPROVED) _____

ok
 JMF
 C.O.M.
 10/4/07



MARSHALL MIX DESIGN

Producer	73		
Project			
Spec	441	Year	2005

ODOT SPEC. BAND			
Sieve	% Pass	Low	High
2" (50.8)	100	100	100
1-1/2" (38.1)	100	100	100
1" (25.4)	100	95	100
3/4" (19)	93	85	100
1/2" (12.7)	79	65	85
3/8" (9.5)	67		
#4 (4.75)	46	35	60
#8 (2.36)	34	25	48
#16 (1.18)	26	16	36
#30 (0.6)	17	12	30
#50 (0.3)	10	5	18
#100 (0.15)	5	2	10
#200 (0.075)	3.0		

Mix Type	Type II
Usage: ("T" for Surface)	Intermediate
Traffic Designation:	Medium
("1" H Base, "2" H Lias)	
Line Item Reference Number(s)	26, 28
% Binder Content @ Max. Stability	-
% Binder Content @ Max. Unit Weight	-
% Binder Content @ Opt. Air Voids	4.7
Max. Theoretical @ Optimum	2.430
PG Grade by Proposal	64-22
% Virgin Binder	4.7
Virgin Binder Grade	64-22
Binder Supplier	MTI
Polymer Type (SBR -or- SBS)	-
Mixing Temperature	310 F
Compaction Temperature	290 F
F/A Ratio	0.6 OK
50 - 30 Ratio	-1 OK
TSR Ratio	80.8 OK
Loaded Wheel Test Results	

NOTES:

Coarse aggregate					
%	Size	Type	Producer/Location	Code	ODOT Geb
20	8	GR	ALLIED CORP / MASSILLON, OH	4316	2.551
40	57	GR	ALLIED CORP / MASSILLON, OH	4316	2.556
Fine aggregate					
%	Size	Type	Producer/Location	Code	ODOT Geb
40	SND	NAT	ALLIED CORP / MASSILLON, OH	4316	2.506
RAP					
%	% AC	Type	Source	Composition	Gse

*If RAP taken from State route, enter State route and project.

If other recycled material, or RAP taken from non-State route, enter size, type and source/location of fine and coarse aggregate, and source of information.

Blend Geb = 2.579

For Official Use Only					
AT OPTIMUM AC CONTENT:					
Original Rc'd:	Resubmit Rc'd:	Air Voids	VMA	Unit Wt	
				(g)	(m)
				1.971	
Maximum Theo.	Stability	Flow	Opt. At Median Air Voids?	2 Points Above and Below Opt.?	
Date Approved	JMF			Calibration #	
	B446028			6028	

622004

84 C.M.
JMF 10/4/07