



DPW Project #16207

December 8, 2020

Boise State University Micron Center for Materials Research
Summary Waste Reduction Report

The following is the summary of the total waste and recycled materials on the project as required by Specification 017419-1.5-A. The information items are provided in the order described in 017419-1.4-A-1 through 7.

1. Material categories:
 - a. General Construction Waste
 - b. Salvaged Materials
 - c. Recyclable Metals.
2. Generation point of waste:
 - a. BSU Micron Center for Materials Research construction site.
3. Total quantity of waste in tons:
 - a. 829.6 Tons
4. Quantity of waste salvaged:
 - a. Parking lot wheel stops and signage from the original site were salvaged and turned over to BSU. These materials were not weighed, but are estimated at 5 tons for 100 wheel stops at approximately 100 lbs each.
 - b. Lumber for temporary structures and railings was re-used multiple times wherever practical and safe. This material was not weighed, but its re-use was incorporated as good practice.
5. Quantity of waste recycled:
 - a. 35.6 Tons (primarily recyclable metal. As tracked with Pacific Steel haul tickets)
6. Total quantity of waste recovered. (salvaged plus recycled) in tons:
 - a. 40.6 Tons
7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total wasted:
 - a. 5%

Notes

1. Calculations of waste tonnage include estimated values for trash (landfill) dumpsters. The waste disposal company, Republic Services, did not weigh construction waste dumpsters. They tracked and charged them on a per load basis rather than a per ton basis. Recently, they have begun the practice of weighing each dumpster, but the exact weights of waste dumpsters during the project is not available. In lieu of exact weights, an estimated average weight is used. Based on figures suggested by Republic Services, that average weight is four (4) tons per 20-yard dumpster and six (6) tons per 30-yard dumpster.
2. At the beginning of the project, the available local recycling infrastructure was reviewed. At the time, no local wood recycling pick-up service was available. No local gypsum wallboard recycling service was available. No local infrastructure supported tracking and recycling for concrete or brick debris, which are major drivers for tracking recycling by weight. Based on discussions, the determination was made not to spend project funds on extraordinary measures to haul and recycle waste to locations where it could be recycled.
3. Throughout the project general good practices were used to encourage prefabrication to reduce the overall waste stream at the site. This include significant prefabrication for mechanical, plumbing, and fire sprinkler systems.

Attachments:

1. Summary load report from Pacific Steel and recycling
2. Summary load reports from Republic Services

Pacific Steel and Recycling Load Report

Request Date	Order Ty	Order Number	Customer Name - Number	Item Numbe	Trans Description	Quantity Receive
06/19/2020	OC	4753549	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN P/U 6/12 *HOFFMAN*	1,180
06/03/2020	OC	4752968	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN P/U 5/29 *BSU HOFFMAN CON*	1,740
05/13/2020	OC	4752412	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN P/U 5/8 *HOFFMAN BSU*	940
04/23/2020	OC	4751863	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O P/U 4/16 *BSU HOFFMAN*	1,820
04/08/2020	OC	4751469	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O P/U 4/2 * BSU HOFFMAN*	4,990
02/20/2020	OC	4749850	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O P/U 2/19 *HOFFMAN*	7,150
02/10/2020	OC	4749455	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O P/U 2/5 *BSU HOFFMAN*	4,230
12/19/2019	OC	4747587	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O P/U 12/18 BSU HOFFMAN	5,750
11/25/2019	OC	4746883	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O 11/20 HOFFMAN BSU	8,850
08/27/2019	OC	4743185	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O 8/22 - BSU HOFFMAN	2,610
08/20/2019	OC	4742875	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN P/U 8/12 BSU HOFFMAN	4,050
06/26/2019	OC	4740491	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN R/O P/U 6/25 BSU HOFFMAN	5,140
06/04/2019	OC	4739439	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN P/U 6/3 BSU HOFFMAN	7,440
11/27/2018	OC	4732026	JOHN WILLIAM JACKSON FUND - 908494	4800	TIN RO 11/20/18 HOFFMAN BSU	15,260
						71,150

Colin Okada

From: Cadillac, Lynda <LCadillac@republicservices.com>
Sent: Tuesday, December 01, 2020 12:33 PM
To: Colin Okada
Subject: 1437 W UNIVERSITY DR

Colin,

These are all of the runs for the 20 yard box. This should be everything! Give me a call back when you have time to review this, and I'll give you more information.

070920 33835 :08 1 5:15 5:38 :23 5 DRM
062320 40953 :25 8 10:05 10:50 :45 11 DRT
061820 23384 :11 3 11:30 12:15 :45 11 DRT
061620 :05 4:30 5:20 :50 14 SWG
061220 61214 :01 8:00 8:57 :57 11 SWG
060820 33835 :00 1 5:15 6:20 1:05 24 SWG
060220 23384 :04 10:34 12:18 1:14 13 SWG
060120 :19 9 4:38 5:20 :42 9 DRT
051920 69859 :00 12:50 14:02 :00 20 DRT
051420 33835 :00 7:30 8:20 :50 11 SWG
050820 36175 :03 1 5:18 5:51 :33 10 SWG
050420 33835 :01 5:10 6:03 :53 11 SWG
042920 49015 :29 8 10:44 11:33 :49 10 SWG
042720 33835 :01 5:25 6:02 :37 6 SWG
042220 52565 :08 3 6:05 6:51 :46 17 SWG
042120 38000 :07 5:32 6:24 :52 11 SWG
041620 :13 7 4:33 5:22 :49 10 SWG
041420 1043215 :07 1 10:22 11:55 1:03 11 SWG
041320 33835 :01 5:20 6:07 :47 11 SWG
040920 41573 :12 6:27 7:27 1:00 11 SWG
040820 23384 :02 8:07 9:00 :53 10 SWG
040620 33835 :01 6:49 7:45 :56 11 SWG
040220 22099 :52 15 13:07 13:50 :43 13 SWG
040120 31990 :01 5:41 6:29 :48 12 DRT
033120 60559 :10 6:35 7:21 :46 13 DRT
033020 36175 :05 6:35 7:25 :50 19 SWG
032520 42356 :00 7:00 7:50 :50 11 SWG
032420 :00 4:30 5:34 1:04 22 SWG
032020 69693 :15 4 8:04 9:01 :57 14 DRT
031820 67527 :00 5:45 6:39 :54 19 SWG
031720 38593 :05 1 8:20 9:17 :47 10 DRT
031320 47268 :04 5:45 7:15 1:30 19 SWG
031120 32491 :15 3 12:55 13:51 :56 11 DRT
031020 :00 3:59 5:14 1:15 22 SWG
030620 23384 :00 5 7:30 7:50 :20 5 SWG
030520 38000 :20 2 8:55 9:50 :55 11 DRT
030320 4350 :12 9:17 10:00 :43 12 DRT

030220 33835 :02 1 4:15 5:10 :55 26 DRT
022820 7952 :13 3 4:23 5:23 1:00 27 DRT
022620 7526 :25 4 11:15 12:05 :50 11 DRT
022520 :20 8 4:00 5:00 1:00 27 DRT
022420 33835 :02 6:37 7:34 :57 13 DRT
022020 23384 :15 2 9:05 9:50 :45 11 DRT
021820 41573 :40 9 12:25 13:15 :50 11 DRT
021720 41573 :07 2 13:17 14:05 :48 11 DRT
021320 32008 :08 1 11:53 13:15 :52 12 DRT
021220 6255 :09 1 7:34 8:25 :51 11 DRT
021120 :20 8 4:10 5:05 :55 28 DRT
020720 42356 :18 1 6:23 7:12 :49 11 DRT
020520 22077 :05 1 6:15 7:15 1:00 11 DRT
020420 26944 :09 2 7:32 8:30 :58 11 DRT
012920 :23 9 4:05 5:02 :57 29 DRT
012720 33835 :04 1 13:22 14:05 :43 11 DRT
012320 33835 :07 1 5:27 6:25 :58 28 DRT
012220 27023 :10 3 5:55 7:22 1:27 28 DRT
012020 33835 :00 1 10:15 11:00 :45 10 DRT
011520 31990 :15 13:25 14:05 :40 12 DRT
011420 68465 :30 9 7:20 8:15 :55 11 DRT
011020 22926 :15 2 6:20 7:23 1:03 27 DRT
010820 1522 :11 2 6:25 7:34 1:09 27 DRT
010720 56709 :10 2 5:43 6:40 :57 27 DRT
010320 40953 :25 8 6:40 7:37 :57 27 DRT
123119 59739 :05 1 6:45 7:40 :55 11 DRT
122619 38381 :10 4 4:48 5:30 :42 11 DRT
122419 25194 :11 1 6:35 7:20 :45 11 DRT
122019 38003 :15 3 11:45 12:35 :50 11 DRT
121919 38381 :12 4 4:55 5:35 :40 11 DRT
121819 31990 :10 12:25 13:50 :55 12 DRT
121719 42941 :08 1 6:48 8:05 1:17 28 DRT
121219 23384 :15 3 9:05 10:10 1:05 13 DRT
121119 61240 :11 2 5:45 6:30 :45 11 DRT
121019 32024 :09 1 5:35 6:18 :43 11 DRT
120919 68465 :09 1 8:15 9:09 :54 12 DRT
120619 53612 :18 5 11:10 11:57 :47 11 DRT
120519 65106 :14 3 13:05 14:10 1:05 29 DRT
120419 68465 :05 1 13:15 14:00 :45 11 DRT
120319 61240 :30 1 5:30 6:40 1:10 27 DRT
112719 42941 :20 1 6:45 7:40 :55 11 DRT
112619 40953 :30 8 6:55 7:45 :50 11 DRT
112219 6255 :10 1 6:40 7:20 1:10 11 DRT
112119 42356 :05 1 10:00 11:57 1:27 12 DRT
112019 31990 :05 1 10:55 11:40 :45 11 DRT
111819 61240 :15 2 7:10 7:55 :45 11 DRT
111519 32024 :03 3 6:50 7:50 1:00 12 DRT
111419 33835 :09 6:19 7:00 :41 11 DRT
111319 41437 :30 8 5:30 6:10 :40 11 DRT
110819 64878 :15 2 12:00 12:50 :50 11 DRT
110619 31990 :05 8:50 9:39 :49 11 DRT
110419 32008 :15 1 10:30 11:15 :45 11 DRT

110119 53965 :03 5 6:20 7:00 :40 11 DRT
102919 66750 :25 6 7:15 8:00 :45 11 DRT
102319 31990 :05 1 8:50 9:45 :55 11 DRT
101719 67629 :08 2 12:15 13:10 :11 11 DRT
101419 67629 :15 1 12:50 13:37 :47 11 DRT
100919 31990 :10 9:50 10:40 :50 14 DRT
093019 32440 :12 1 10:25 12:00 1:05 10 DRT
092519 26793 :10 2 11:30 12:22 :52 9 DRT
091919 62847 :07 1 10:58 11:56 :58 13 DRT
091319 31875 :05 9:05 9:58 :53 11 DRT
091119 41437 :05 2 8:20 9:30 1:10 9 DRT
090719 32041 :23 7 9:56 10:52 :56 13 DRT
090319 59945 :23 2 12:10 13:10 1:00 11 DRT
082819 32008 :15 1 10:20 11:20 1:00 11 DRT
082019 36175 :10 1 9:10 10:05 :55 11 DRT
081219 37383 :03 11:16 11:43 :27 6 DRT
070319 41437 :08 8:18 9:04 :46 11 DRT
061119 51471 :20 2 11:00 12:35 1:05 12 DRT
060319 41437 :05 9:00 9:50 :50 11 DRT
060319 61490 :14 1 8:05 8:55 :50 12 DRT
052819 32087 :31 2 9:41 10:38 :57 13 DRT
052219 31990 :05 9:36 10:49 1:13 13 DRT
050919 65701 :21 2 10:46 12:00 1:14 29 DRT
050219 51471 :00 4 12:19 13:55 1:06 26 DRT
042419 41437 :05 7:40 8:35 :55 7 DRT
042219 33835 :28 1 13:30 13:55 :25 11 DRT
041919 34588 :16 2 9:26 10:25 :59 10 DRT
041719 40953 :35 9 8:50 9:57 1:07 27 DRT
041519 61214 :10 2 8:20 9:20 1:00 12 DRT
041119 14157 :05 13:10 14:08 :58 10 DRT
040819 50810 :26 5 12:12 13:02 :50 12 DRT
040419 33835 :16 1 12:34 13:37 1:03 27 DRT
040219 15173 :21 2 10:50 12:20 :55 13 DRT
032919 53965 :07 1 10:14 11:27 1:13 13 DRT
032819 :17 9 5:17 5:25 :08 DRY
032719 14157 :15 1 14:05 15:34 1:29 30 DRT
032519 40953 :45 9 8:45 9:45 1:00 10 DRT
032119 42356 :15 7 5:36 6:26 :50 27 DRT
032019 :16 8 4:05 5:02 :57 29 DRT
031919 23384 :07 1 13:33 14:23 :50 14 DRT
031519 64991 :15 13 13:00 13:50 :50 1 DRT
031519 :50 19 5:50 6:55 1:05 27 DRT
031119 32008 :11 12:20 13:27 1:07 22 DRT
030619 61214 :15 2 11:18 13:03 1:45 26 DRT
030519 59739 :08 11:36 13:00 :50 12 DRT
030119 10136 :11 1 10:13 11:38 :54 12 DRT
022619 4350 :12 9:25 10:23 :58 10 DRT
022519 33835 :09 10:43 12:14 :56 13 DRT
021819 59739 :10 1 10:20 11:15 :55 15 DRT
021419 48184 :16 2 5:18 6:13 :55 27 DRT
020619 33675 :29 4 13:14 14:12 :58 12 DRT
020119 38593 :11 1 10:00 11:21 1:21 26 DRT

012919 20763 :14 1 13:09 14:06 :57 13 DRT
012519 65032 :13 1 11:45 13:17 1:02 11 DRT
012219 :14 8 5:20 6:12 :52 28 DRT
011519 37753 :21 6 13:13 14:27 1:14 26 DRT
011019 50500 :24 5 14:22 15:13 :51 13 DRT
010419 65106 :13 1 6:47 7:30 :43 13 DRT
122718 :20 8 4:10 5:01 :51 28 DRT
121918 31990 :10 10:30 11:45 :41 13 DRT
121418 17889 :08 16 14:40 15:39 :59 27 DRT
121018 33835 :09 10:24 11:49 :55 13 DRT
120518 33835 :10 8:52 10:33 1:41 27 DRT
112718 :26 9 5:33 5:41 :08 DRY
112718 6005 :20 2 13:12 14:01 :49 13 DRT
110918 14157 :18 4 9:43 11:30 1:17 28 DRT
102918 38003 :17 3 6:47 8:12 1:25 28 DRT
101218 17889 :17 1 8:47 10:56 1:39 21 DRT
092818 38003 :19 3 9:06 10:08 1:02 31 DRT
091318 23384 :15 1 12:45 13:36 :51 13 DRT
090418 32008 :12 11:59 12:56 :57 21 DRT
081718 14157 :28 1 8:21 10:06 1:15 27 DRT
080818 38593 :15 11:20 12:10 :50 34 DRT
072318 33835 :05 10:49 11:55 1:06 30 DRT
062918 31875 :10 1 10:10 11:00 :50 10 DRT
042718 22458 :35 13 16:55 17:10 :15 5 DEL

Thank you,
Lynda Cadillac
Dispatcher

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We'll handle it from here.®

Colin Okada

From: Cadillac, Lynda <LCadillac@republicservices.com>
Sent: Tuesday, December 01, 2020 12:26 PM
To: Colin Okada
Subject: 1437 W University Dr

Hey Colin,

I hope this information helps. These are the services for the larger box. Give me a call when you get a chance so I can let you know what all of this is!

30 YARD ROLL OFF BOX

SERVICE	FROM	TRVL	TRV	START	END	SERV	SER	SER
DATE	ACCT	TIME	DIS	TIME	TIME	TIME	DIS	CDE
111319		:30	8	4:15	5:00	:45	20	DRM
110119	41437	:15		7:15	8:55	1:10	12	DRT
102519	68399	:10	2	4:20	5:15	:55	27	DRT
102119	4350	:10		10:20	11:05	:45	11	DRT
101419	41437	:08		13:45	14:30	:45	12	DRT
100919	41437	:15	1	10:55	11:50	:55	13	DRT
100719	33835	:00		6:10	6:48	:38	12	DRT
100219	32024	:05		9:35	10:30	:55	13	DRT
092619	33835	:03	1	6:30	7:44	1:14	28	DRT
092319	62847	:20	6	8:15	9:07	:52	11	DRT
091719	32357	:12	1	14:21	15:14	:53	7	DRT
091219	58198	:14	4	13:54	14:49	:55	13	DRT
091119	41573	:12	2	7:27	8:15	:48	11	DRT
090319	41437	:05		13:15	14:35	:50	13	DRT
082919	1522	:14	2	11:37	13:05	:58	12	DRT
082319	59739	:07	1	10:37	11:22	:45	11	DRT
081919	6255	:22	1	9:07	9:55	:48	11	DRT
081219	32024	:10	1	9:25	10:15	:50	11	SWG
080719	36175	:10	1	5:45	6:35	:50	12	DRT
080219	54105	:12	1	10:40	11:43	1:03	28	DRT
072919	33835	:01		6:00	7:00	1:00	27	DRT
072419	67355	:30	7	11:05	12:50	1:15	12	DRT
072219	66883	:19	7	9:17	10:07	:50	10	DRT
071819	33835	:05	1	5:25	6:23	:58	27	DRT
071219		:19	9	4:04	4:50	:46	28	DRT
070919	67137	:15	2	4:25	5:17	:52	28	DRT
070319	31990	:05		7:20	8:10	:50	12	DRT
062719	65701	:25	3	11:00	13:18	1:48	16	DRT
062419	66798	:09	1	6:50	7:44	:54	12	DRT
062119	34588	:13	2	8:18	9:08	:50	16	DRT
061819	41228	:14	2	12:45	13:30	:45	12	DRT
061319	51471	:15	2	12:35	13:26	:51	12	DRT
060719	32024	:06	1	9:20	10:08	:48	11	DRT

060119 5857 :23 6 9:30 9:37 :07 1 DRY
052419 32024 :05 1 9:40 10:36 :56 6 DRT
052019 38003 :17 3 10:48 11:33 :45 13 DRT
051519 59739 1:00 3 8:20 9:30 1:10 10 DRT
051319 38593 :05 8:10 9:05 :55 11 DRT
050719 51471 :12 5 14:52 15:40 :48 5 DRT
050619 14157 :08 1 7:18 8:05 :47 9 DRT
050119 60559 :03 1 6:53 7:45 :52 17 DRT
042619 33675 :10 2 6:33 7:16 :43 18 DRT
042419 31990 :10 3 7:20 7:35 :15 2 DEL

Lynda Cadillac

Dispatcher

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