

**Addendum No.1 to Bidding Documents
for
Request for Proposals
for
Storm Debris Removal and Disposal Services
FEMA-4470-DR-MS**

The following information is provided in response to questions that have been received to date:

1. Location of existing City of Corinth inert debris rubbish site: 34.929701, -88.529684
2. Location of permitted burn site: 34.900625, -88.522525
3. Estimated debris yardage: The City estimates that 15,000-20,000 CY of debris has already been collected and that an estimated 10,000-20,000 CY of debris is remaining to be removed from City ROWs. It is the obligation of interested parties to visit the City and estimate these quantities independently. The City makes no warranties regarding the estimated quantities.
4. Stump Conversion Table: The Stump Conversion Table referenced in Section 4.2 of the RFP is included with this addendum and can also be found in FEMA's Public Assistance Debris Management Guide (FEMA-325). This guide is available online in PDF format and includes useful information regarding FEMA's policies and guidance on a number of topics including burn pit design.
5. The following sentence should be omitted from Section 11.1:
"Contractor mobilization costs will not be paid if the Contractor is unable to obtain bonding."
Mobilization costs shall be borne by the contractor and should therefore be included in the unit prices submitted for debris removal and disposal.
6. The following sentence segment should be omitted from Section 14.1:
"...as well as, any demobilization costs that were a part of the original contract."
Demobilization costs shall be borne by the contractor and should therefore be included in the unit prices submitted for debris removal and disposal.

Stump Conversion Table

Diameter to Volume Capacity

The quantification of the cubic yards of debris for each size of stump in the following table was derived from FEMA field studies conducted throughout the State of Florida during the debris removal operations following Hurricanes Charley, Frances, Ivan and Jeanne. The following formula is used to derive cubic yards:

$$\frac{[(\text{Stump Diameter}^2 \times 0.7854) \times \text{Stump Length}] + [(\text{Root Ball Diameter}^2 \times 0.7854) \times \text{Root Ball Height}]}{46656}$$

0.7854 is one-fourth Pi and is a constant.

46656 is used to convert cubic inches to cubic yards and is a constant

The formula used to calculate the cubic yardage used the following factors, based upon findings in the field:

- Stump diameter measured two feet up from ground
- Stump diameter to root ball diameter ratio of 1:3.6
- Root ball height of 31"

Stump Diameter (Inches)	Debris Volume (Cubic Yards)	Stump Diameter (Inches)	Debris Volume (Cubic Yards)
6	0.3	46	15.2
7	0.4	47	15.8
8	0.5	48	16.5
9	0.6	49	17.2
10	0.7	50	17.9
11	0.9	51	18.6
12	1	52	19.4
13	1.2	53	20.1
14	1.4	54	20.9
15	1.6	55	21.7
16	1.8	56	22.5
17	2.1	57	23.3
18	2.3	58	24.1
19	2.6	59	24.9
20	2.9	60	25.8
21	3.2	61	26.7
22	3.5	62	27.6
23	3.8	63	28.4
24	4.1	64	29.4
25	4.5	65	30.3
26	4.8	66	31.2
27	5.2	67	32.2
28	5.6	68	33.1
29	6	69	34.1
30	6.5	70	35.1
31	6.9	71	36.1
32	7.3	72	37.2
33	7.8	73	38.2
34	8.3	74	39.2
35	8.8	75	40.3
36	9.3	76	41.4
37	9.8	77	42.5
38	10.3	78	43.6
39	10.9	79	44.7
40	11.5	80	45.9
41	12	81	47
42	12.6	82	48.2
43	13.3	83	49.4
44	13.9	84	50.6
45	14.5		