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|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Gravel has been ordered from Lo Tran by Ace Construction |  |  |  |  |
|  | The Lo Tran trucks carry 3 tons max per load. The costs per ton per truck to move  |  |  |
|  | gravel between sites is listed below. What are the optimum loads, routings, and  |  |  |
|  | costs of addressing this contract? |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Plant W |  |  |  |  |  |  |
|  |

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| --- |
| 72 tons req'd |

 |  | $4  | 59 tons available |  |  |  |  |  |
|  | Project A - Lebanon |  | Henderson |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $8  |  | $16  |  |  |  |  |  |
|  |  |  |  | $8  |  |  | Plant X |  |  |  |
|  | $8  |  | 102 tons req'd |  |  | Murfreesboro |  |  |
|  |  |  | Project B |  | $24  |  | 82 tons available |  |  |
|  |  |  | Hermitage |  |  |  |  |  |  |  |
|  |  | $16  |  |  |  | $16  |  |  |  |  |
|  |  |  |  | $7  |  |  |  |  |  |  |
|  | Plant Y |  |  |  | Project C |  |  |  |  |  |
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| --- |
| LaVerne |

 |  | $24  |  | Dickson |  |  |  |  |  |
|  | 78 ton |  |  |  | 41 tons req'd |  |  |  |  |
|  | available |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |