

1329.08 Basis of Payment. Payment will be made at the contract unit price bid as specified per each item and shall be full compensation for all labor, materials, tools, equipment and incidentals necessary to furnish and install the items as specified, complete, tested and accepted.

Item	Unit	Description
1329	Each	Internally illuminated sign, ___ face, ___ inches x ___ inches
1329	Each	Mechanically operated vane type sign, ___ type, ___ inches x ___ inches
1329	m ² (Square foot)	Signs, flat sheet type
1329	Each	___ mounted sign attachment
1329	m ³ (Cubic yards)	Sign post foundation
1329	Meters (foot)	Steel drive posts, No. 3 posts
1329	Each	Sign, reflectorized, ___ inches x ___ inches including ___-mounted sign attachment

ITEM 1330 - PAVEMENT MARKER BUTTONS

1330.01 Pavement Marker Buttons

1330.02 Method of Measurement

1330.03 Basis of Payment

1330.01 Pavement Marker. The marker shall be a snowplowable type unit constructed of case iron with an acrylic prismatic reflector. The unit shall be implanted in the roadway and secured with an epoxy adhesive.

The marker shall be a Stimsonite Model 96 or 96 LP as specified or an approved equal.

The work of this item shall include pavement cutting using a concrete saw with a multiple blade arrangement to provide a cut to match the contour of the marker housing.

Clean and dry the sawed excavation using a brush or air blast from a compressor air source.

Pour and mix epoxy adhesive in accordance with manufacturer's instructions.

1330.02 Method of Measurement. Pavement marker buttons shall be measured as a complete unit in place, including sawcutting, cleaning and epoxy adhesive.

1330.03 Basis of Payment. Payment will be made at the contract unit price bid for each item, by type, furnished and installed and shall be full compensation for all labor, materials, tools, equipment, and incidentals necessary for a completed and accepted item.

Item	Unit	Description
1330	Each	Pavement marker button, ___type

ITEM 1331 - TRAFFIC ISLAND LIGHTING

- 1331.01 Traffic Island Lighting**
- 1331.02 Method of Measurement**
- 1331.03 Basis of Payment**

1331.01 Traffic Island Lighting. The City will furnish traffic island light equipment. Where an overhead type is specified, the City will furnish the fixture complete with lamp. Where the pedestal type is specified, the City will furnish the globe fixture complete with lamp.

The Contractor shall before pouring of the concrete for the construction of the traffic island coordinate the casting of the cone type fixture and/or pedestal anchor bolts, and connection of conduit from the island light to the specified pull box. A ground rod shall be installed in the nearest pullbox as shown on the details.

The conduit, ground rod and pedestal (where specified) shall be included under each item of bid, except that conduit ells where pedestals are located adjacent to pullboxes shall be included with the pedestal bid item. Pipe fittings and hardware for mounting the pedestal fixture to the post shall be provided by the Contractor.

1331.02 Method of Measurement. Traffic island lights shall be measured as a complete unit in place, including pipe fittings, nipples and all hardware required to mount the fixtures.

1331.03 Basis of Payment. Payment will be made at the contract unit price bid for each item, by type, installed complete, tested and accepted and shall be full compensation for all labor, materials, tools, equipment and incidentals.

Item	Unit	Description
1331	Each	Traffic island light, ___ type, installation only

ITEM 1332 - RELOCATION OF EXISTING EQUIPMENT

- 1332.01 Relocation of Existing Equipment**
- 1332.02 Method of Measurement**
- 1332.03 Basis of Payment**

1332.01 Relocation of Existing Equipment. Equipment specified to be relocated may be poles, signs, signal heads, luminaires, island lights or other as specified. The Contractor shall carefully remove the specified equipment and relocate the equipment where indicated on the plans.

Equipment, after removal, shall be inspected, cleaned and any rusted areas shall be removed, spot primed and painted in accordance with Item 1317.

Where poles and posts are to be relocated the Contractor shall provide new anchor bolts conforming to Item 1318 which shall be included in the payment of the item relocated. New foundations for relocated poles and posts shall be in accordance with the plans and details. Payment for foundations shall be per Item 1319.

Where signs, signal heads or other specified devices are to be relocated, the Contractor shall furnish new materials and hardware as required to properly reinstall the equipment complete and in accordance with the details. Salvageable materials may be reused with approval by the Engineer. Drop pipe and arms which can be reused by reducing the length, shall have the new pipe threading redleaded. Where existing drop pipe and arms are too short, new pipe shall be furnished. Extension pipe pieces with couplings shall not be permitted.

New hardware and materials required shall be included in the payment for the item relocated and shall be of non-corrosive material in accordance with the details.

In rewiring relocated equipment, entire new cable runs or extensions of existing cable shall be used as specified in the plans. Splicing new cable to existing cable shall be with approved splicing as indicated in the details. Existing cable shall be removed or abandoned as specified and cable specified to be abandoned shall be completely disconnected at both ends. The ends shall be cut so that existing conductor ends are not exposed beyond the insulation. The conductors shall then be doubled back over the jacket and taped with at least three (3) layers of approved weatherproof electrical tape.

New cable furnished shall be furnished under the respective Item 1323.

Signal, sign and luminaires shall be relamped after reinstallation. Lamps shall be included with the payment of the item relocated and shall meet the requirements of the application under Items 1326 and 1329.

1332.02 Method of Measurement. Relocated equipment shall be measured as a complete unit by type in place, tested, and accepted and shall include relocating, rewiring, splicing and new and/or modification of existing hardware, lamps, painting and removal and disposal of unusable materials and equipment and new anchor bolts for poles and pedestals.

1332.03 Basis of Payment. Payment will be made at the contract unit price bid for each item, by type, relocated complete, tested and accepted and shall be full compensation for all labor, materials, tools, equipment and incidentals.

Item	Unit	Description
1332	Each	Relocation of existing ___ (specified equipment)

ITEM 1333 - MODIFICATION OF EXISTING LIGHTING CIRCUITS

1333.01 Modification of Existing Lighting Circuits

1333.02 Method of Measurement

1333.03 Basis of Payment

1333.01 Modification of Existing Lighting Circuits. Where specified, provide labor and materials to modify and reconnect the specified lighting circuit complete as indicated on the plans and details.

Schedule work so the existing lighting circuit will not be disabled during the hours when the circuit is normally operative.

All materials and equipment used shall meet the requirements of the items as specified herein.

1333.02 Method of Measurement. Modification of existing lighting circuits shall be measured as complete units in place, tested and accepted, including all materials and equipment as specified.

1333.03 Basis of Payment. Payment will be made at the contract unit price bid for each circuit modified complete, tested and accepted and shall be full compensation for all labor, materials, tools, equipment and incidentals.

Item	Unit	Description
1333	Each	Modification of existing lighting circuit No. ____

ITEM 1334 - RESTORATION OF WORK AREAS

The Contractor shall keep adequate walking areas for pedestrians clear of equipment, materials, supplies and excavated materials at all times.

Any excavated material obstructing any portion of the sidewalk or street area at the end of the working day shall be moved so as not to obstruct the sidewalk or street area.

Excavated material off of, but not adjacent to the sidewalk area shall be adequately barricaded and lighted.

The Contractor shall neatly restore sidewalks, driveways, and sodded areas to the satisfaction of the City. Restoration of paved areas shall be in accordance with the City of Cincinnati, Engineering Division "Street Restoration Book" as stipulated by the Cincinnati Municipal Code, Section 721-35.

Forms may be removed in accordance with 511.14. All forms shall be removed before backfilling. Excavated material shall not be used as backfill unless approved by the Engineer. Backfill shall be placed in layers and compacted to prevent future settlement of backfill materials. The excavated material not needed and backfilled shall be disposed of by the Contractor.

Restore all sodded areas using excavated material with the top 100mm (4 inches) of restoration being topsoil compacted to grade.

Furnish well rooted Kentucky Bluegrass or Canadian Bluegrass containing a growth of not more than 30% of other grasses and clovers, unless otherwise specified in the plans.

Restoration shall be incidental to the payment of the various item requiring restoration.

ITEM 1335 - CABLE AND POLE IDENTIFICATION

All lighting cable shall be identified by circuit with tags in accordance with Item 713.18. Pole identification shall be accomplished by using adhesive decals with reflective characters and background installed as shown on the details.

Pole decals shall be furnished by the City and circuit cable tags shall be furnished by the Contractor.

Providing and installing these items shall be incidental to the payment of the cable and poles.

ITEM 1336 - METHOD OF PAYMENT

Payment for accepted quantities of street lighting and traffic control items provided in these specifications will be made at the contract prices specified.

Method of Payment will be one of the following:

1. Unit price for each item.
2. Lump sum for the entire contract (by location or circuit).
3. Lump sum for the entire contract with unit prices for major items to cover possible changes of quantities which may arise during the contract period.

The enclosed specification items are based on unit price bidding with the Contractor furnishing all materials and equipment except that which is specified as furnished by the City. Where the City specified in a contract that it will furnish equipment, the Contractor shall make adjustments for bidding these items where the work is reduced to installation and materials required to complete the item of work.

Where the City specifies that the contract (by location or circuits within a contract area) will be bid on a lump sum basis, the basis of payment shall include all accepted quantities of equipment and materials as specified in the plans and as required to provide a complete item, in place, tested and accepted. The basis of measurement shall include the work requirements of all the various items required.

ITEM 1337 - TURN ON-OFF RECORDS

The Contractor shall notify the City Traffic Engineer and shall provide a written record thereof when any electrical operated lighting and traffic control device is turned on or off, and when all electrical and non-electrical devices are installed and removed.

This is to provide the City of Cincinnati with information for public record and for purposes of energy billing.

The record shall show the time of day and the date. This information shall also include dates for burn tests.

Payment shall be incidental to items so noted.