

Endangered Species Indiana Bat and Northern Long-Eared Bat

The project is located within the known habitat ranges of the federally listed and protected Indiana bat and Northern Long-eared bat. No trees shall be removed under this project from April 1 through September 30. All necessary tree removal shall occur from October 1 through March 31. This requirement is necessary to avoid and minimize impacts to these species as required by the endangered species act. For the purposes of this note, a tree is defined as a live, dying, or dead woody plant, with a trunk three inches or greater in diameter at a height of 4.5 feet above the ground surface, and with a minimum height of 13 feet.

Roadway and Erosion Control

Item 201 – Clearing and Grubbing

Although there are no trees or stumps specifically marked for removal within the limits of the project, a lump sum quantity is included in the general summary for Item 201, Clearing and Grubbing. All provisions as set forth in the specifications under this item are included in the lump sum price bid for Item 201, Clearing and Grubbing.

Item 203 – Roadway, Misc: Earthwork

Contractor shall supply any material and perform any grading needed to reestablish the slope to match existing slopes adjacent to the project limits.

Earthwork excavation and embankment shall conform to Item 203 Excavation and Item 203 Embankment.

The contractor shall use the following quantities for bidding of this item.
203 Embankment – 530 CY
203 Excavation – 530 CY

Payment for this item includes the cost of labor, materials, equipment, tools and other incidentals.

All provisions as set forth in the specifications under this item are included in the lump sum price bid for Item 203 – Roadway, Misc: Earthwork.

Item 304 – Aggregate Base, As Per Plan

This item shall be used at Location 2 – LAK-174-1.34 to adjust to grade existing sub-grade beneath the proposed Curb and Gutter. This item shall be used at directed by the engineer.

The following quantity has been carried for to the General Summary

Item 304 – Aggregate Base, As Per Plan **5 CY**

Item 441 – Asphalt Concrete Surface Course, Type 1, (449), As Per Plan, PG 70-22M

The coarse virgin aggregate for this item shall consist of a blend of 60% min. air cooled blast furnace slag (ACBFS) or Trap Rock from Ontario with limestone comprising the remaining percentage.

Item 619 – Field Office, Type B, As Per Plan

In addition to the requirements of CMS 619, the Contractor shall furnish and set up a Wi-Fi router meeting the requirements of IEEE 802.11ac for the exclusive use of the Department.

All other field office items supplied shall meet the requirements of a Type B Field Office.

Item 619 – Field Office, Type B, As Per Plan **3 Months**

Item 690 – Special, Misc.: Utility Test Hole

Prior to beginning work related to placement of plate piles at the LAK-174-1.34 site, the contractor shall field verify the location and depth of the existing utilities as described in the plans. In particular, an 8” cast iron force main described in the typical section on sheet 03. The water main is documented to be located at an offset of approximately 12.5 feet right of the centerline.

Prior to beginning work related to placement of plate piles at the LAK-306-4.66 site, the contractor shall field verify the location and depth of the existing utilities as described in the plans. In particular, the force main described in the typical section on sheet 03. The water main is documented to be located at an offset of approximately 16.5 feet left of the centerline and was installed with a minimum of 5 feet of cover.

If it is determined that the plate pile installation at either location will intersect an existing utility if installation is performed as shown in the plans. The engineer shall be notified before starting any portion of the plate pile installation which would be affected by the interference with an existing utility.

Backfill and compact the holes and restore the surface areas when directed by the engineer. The contractor is responsible for utility damage by test holes activities as determined by the engineer.

Payment for utility test holes includes the cost of labor, materials, equipment, tools and other incidentals including backfill, compacting and surface restoration.

Item 690 – Special, Misc.: Utility Test Hole..... **3 Each**

Seeding and Mulching

The seeding and mulching quantities listed on sheet 13 are provided to promote growth and care of permanent seeded areas at 2 landslide locations.

Seeding and mulching shall be applied to all areas of exposed soil between the right-of-way lines, and within the construction limits for areas outside the right-of-way lines covered by work agreement or slope easement. Quantity calculations for seeding and mulching are based on these limits.

DESIGN AGENCY



DESIGNER
KJD

REVIEWER
DB 10/03/22

PROJECT ID
113805

SHEET TOTAL
P.05 31

REF. NO.	SHEET NO.	PLAN SPLIT NO.	STATION TO STATION	202	202	254	304	407	441	441	441	606	609	618	642	659			
				CURB AND GUTTER REMOVED FT	GUARDRAIL REMOVED FT	PAVEMENT PLANING, ASPHALT CONCRETE, 3 INCH SY	AGGREGATE BASE, AS PER PLAN CY	TACK COAT GAL	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG70-22M CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449) CY	GUARDRAIL, TYPE MGS FT	COMBINATION CURB AND GUTTER, TYPE 4 FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) FT	EDGE LINE, 4", TYPE 1 MILE	SEEDING AND MULCHING, CLASS 3B SY			
	14	1	Location 1: LAK-44-6.05			78		11	7					70	0.02	620			
	15	2	Location 2: LAK-174-1.34	72	75	71	6	10		3	3	75	72		0.02	130			
	16	2	Location 3: LAK-306-4.66		200							200				565			
TOTALS CARRIED TO GENERAL SUMMARY				72	275	149	6	21	7	3	3	275	72	70	0.04	1315			
PLAN SPLIT #1 TOTAL						78		11	7					70	0.02	620			
PLAN SPLIT #2 TOTAL				72	275	71	6	10		3	3	275	72		0.02	695			

Roadway and Earthwork Quantities

REF. NO.	SHEET NO.	PLAN SPLIT NO.	STATION TO STATION	659	659	659	659	659	659	659	670								
				SOIL ANALYSIS TEST EACH	TOPSOIL CY	REPAIR SEEDING AND MULCHING SY	INTER-SEEDING SY	COMMERCIAL FERTILIZER TON	LIME ACRE	WATER MGAL	SLOPE EROSION PROTECTION MAT, TYPE B SY								
	14	1	Location 1: LAK-44-6.05	1	69	31	31	0.08	0.13	3	620								
	16	2	Location 3: LAK-306-4.66	1	63	28	28	0.08	0.12	3	565								
TOTALS CARRIED TO GENERAL SUMMARY				2	132	59	59	0.16	0.25	6	1185								
PLAN SPLIT #1 TOTAL				1	69	31	31	0.08	0.13	3	620								
PLAN SPLIT #2 TOTAL				1	63	28	28	0.08	0.12	3	565								

Seeding and Mulching Quantities

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