TYPICAL SECTIONS

VN DAB 10/15/21 87904

P.7 | 152

TIME: 12:16:46 PM

Drainage

Review of Drainage Facilities

Before any work is started on the project and again before final acceptance by the State, representatives of the State and the Contractor, along with local representatives, shall make an inspection of all existing sewers which are to remain in service and which may be affected by the work. The condition of the existing conduits and their appurtenances shall be determined from field observations. Records of the inspection shall be kept in writing by the State.

All new conduits, inlets, catch basins and manholes constructed as part of the project shall be free of all foreign matter and in a clean condition before the project will be accepted by the State.

All existing sewers inspected initially by the above mentioned parties shall be maintained and left in a condition reasonably comparable to that determined by the original inspection. Any change in the condition resulting from the Contractor's operations shall be corrected by the Contractor to the satisfaction of the Engineer.

Payment for all operations described above shall be included in the contract price for the pertinent 611 drainage items.

<u>Item 611 – Inlet, No. 3 for Single Slope Barrier, Type B1, As Per Plan</u> Item 611 - Inlet, No. 3 for Single Slope Barrier, Type C1, As Per Plan

This item shall consist of furnishing and installing Item 611 - Inlet, No. 3 for Single Slope Barrier, Type B1 and Type C1 according to the CMS and Standard Construction Drawing I-3B & I-3C with the following modifications:

- 1. This item is intended to replace the concrete barrier on top of the inlet
- 2. The length of the concrete barrier on top of the inlet varies as detailed in the subsummaries in order to avoid leaving very small sections of unreinforced barrier adjacent to the inlet.

All costs for this item of work, including labor, materials, equipment and incidentals shall be included in the unit bid price for Item 611 – Inlet, No. 3 for Single Slope Barrier, Type B1, As Per Plan & Item 611 – Inlet, No. 3 for Single Slope Barrier, Type C1. As Per Plan.

Item 611 - Inlet, Misc.: Inlet, No. 3B50

This item shall consist of furnishing and installing Item 611 – Inlet, Misc.: Inlet, No. 3B50 according to the details shown on P.116 of this plan with the following modifications:

- 1. This item is intended to replace the concrete barrier on top of the inlet
- 2. The dimensions for D-64 shall be adjusted to match the adjacent Type C Barrier as needed.
- 3. The length of the concrete barrier on top of the inlet varies as detailed in the subsummaries in order to avoid leaving very small sections of unreinforced barrier adjacent to the inlet.

All costs for this item of work, including labor, materials, equipment and incidentals shall be included in the unit bid price for Item 611 - Inlet, Misc.: Inlet No. 3B50.

Item 611 - Inlet Reconstructed to Grade, As Per Plan

The Contractor and Field Engineer shall field check all existing inlets located within the limits of the project. Any casting found that exhibits substantial deterioration shall be "Reconstructed to Grade", as directed by the Engineer. In addition, if it is found that the inlet trough section exhibits substantial deterioration, then replacement of the trough shall be incidental to Item 611 – Inlet Reconstructed to Grade, As Per Plan.

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

Item 611 – Inlet Reconstructed to Grade, As Per Plan 10 Each

Item Special - Miscellaneous Metal

Existing castings may prove to be unsuitable for reuse, as determined by the Engineer. It shall be the Contractor's responsibility to provide the castings of the required type, size, and strength (heavy duty) for the particular structure in question. All materials must meet Item 611 of the CMS and shall have the prior approval of the Engineer.

The Contractor is cautioned to use extreme care in the removal, storage, and replacement of all existing castings. Castings damaged by the negligence of the Contractor, as determined by the Engineer, shall be replaced with the proper new castings at the expense of the Contractor.

The Contractor shall not order materials until authorized by the Engineer, and if none are needed, the item shall be non-performed.

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

Pavement

Profile and Alignment

Place the proposed pavement to follow the alignment of the existing pavement. Place the proposed asphalt concrete with a uniform thickness as shown on the typical sections.

Planing Requirements

The duration of time between planing the asphalt and placing the asphalt overlay shall be kept to a minimum. In no instance shall this time exceed 7 calendar days. The time limit shall begin on the first day of planing and shall continue based on calendar days, minus any weather days, until completion of the asphalt concrete surface course. This is to ensure that the potential degradation of the exposed pavement due to traffic is kept to a minimum. This requirement applies to both mainline and ramps alike.

In the event that the time between exposing the existing pavement and placing the asphalt surface course exceeds 7 calendar days, liquidated damages as per 108.07 of the C&MS shall be assessed.

<u>Item 254 – Pavement Planing, Asphalt Concrete, As Per Plan</u>

This item shall be used to remove a consistent width of the asphalt overlay from the inside shoulder at a depth of 1.5" as specified in the plans on IR-71. Care should be taken to avoid destroying or damaging existing rumble strips. Pavement planing limits shall be offset a minimum of 6" from the edge of the existing rumble strips. For estimating purposes, quantities are based on a consistent width of 4' as shown on the typical sections. The width shall be adjusted in the field, as directed

by the Engineer, as required to maintain the minimum 6" offset to the existing rumble strips.

Asphalt Concrete Surface Course Sealing Requirements

In addition to the gutter sealing requirements specified in SCD BP-3.1 and C&MS 401.15, after completion of the surface course, the contractor shall use a certified 702.01 PG binder to seal the following locations:

- All castings including but not limited to monuments, manholes, water valves, catch basins, curb inlets.
- Butt joints and feather joints including bridge approaches.
- Forward joint for driveway asphalt and trailing joint when butting to existing asphalt drive.
- Perimeter of all pavement repairs or other asphalt inlays when pavement repairs/inlays are not overlaid with an asphalt concrete surface course.
- All cold longitudinal joints between paved shoulders and guardrail

The material used shall be a certified 702.01 PG binder. The width of the sealer shall be 2-3 inches.

Any additional costs associated with the work identified in this note shall be included in the appropriate asphalt concrete surface course item of work.

Item 442 - Asphalt Concrete Surface Course, 12.5mm, Type A, (448), As Per Plan, PG76-22M

The coarse virgin aggregate for this item shall be limited to a blend of air cooled blast furnace slag (ACBFS) or Trap Rock from Ontario and limestone. The Contractor shall use a minimum 60% of ACBFS or Trap Rock from Ontario with limestone comprising the remaining percentage. At least 50% of fine virgin aggregate for this item shall be limited to ACBFS or Trap Rock from Ontario.

Table 442.02-2 applies except No. 4 sieve requirements are 52 to 60 Total Percent Passing. For the No. 4 sieve do not exceed 63 in production.

When ACBFS is used for a fraction of the coarse aggregate, provide a total asphalt binder content greater than or equal to 6.2 percent. If ACBFS makes up 100% of the coarse aggregate, apply the binder content requirements of C&MS

Item 442 - Asphalt Concrete Surface Course, 12.5mm, Type A, (448), As Per Plan. PG70-22M

The coarse aggregate for this item shall be limited to a blend of air cooled blast furnace slag (ACBFS) and limestone. The Contractor shall use a minimum of 50 percent ACBFS with limestone comprising the remaining percentage.

In addition to the joint sealing requirements specified in 401.17, the Contractor shall seal the perimeter of all rumble strip pavement replacement areas. The material used shall be a certified 702.01 PG binder. The width of the sealer shall be 2-3 inches.

Payment for all labor, materials and equipment required to perform the above work shall be included in the contract price for Item 442 – Asphalt Concrete Surface Course, 12.5MM, Type A (448), As Per Plan, PG70-22M.



DAB MK 10/15/21 87904

P.13 | 152

TIME: 11:02:12 AM CUY-71-5.71 BARRIER

Maintenance of Traffic

General

It is the responsibility of the Contractor to provide through vehicular access in both directions at all times throughout the project area. The project shall be constructed in phases in order to minimize traffic disruption and inconvenience to the general public. The Contractor shall be responsible for providing all equipment, materials and manpower needed to adequately maintain traffic as provided for in the plans and specifications.

The Contractor is reminded that, in the conduct of this project, the sequence of operations shall be planned in a fashion which minimizes the number of lane reductions and/or lane width reductions required to maintain traffic through the project.

Permitted lane closures shall be as shown on the Permitted Lane Closure Schedule (PLCS). The time limits shown in this table shall be adhered to or road user costs will be assessed.

Sequence of Construction

Permanent maintenance of traffic zones, as detailed on sheets 26-39 of the plans, shall be maintained for the duration of the project.

Maintenance of Traffic Control Zones

The Contractor shall be responsible to maintain the signs, drums or cones specified in the Standard Construction Drawings. When the Contractor is notified of deficiencies, he shall correct the deficiencies as soon as possible, preferably within 12 hours and no later than 24 hours. If any noted deficiencies are not corrected within 24 hours the Engineer shall deduct one day pay for Item 614 – Maintaining Traffic, not as a penalty but as road user costs. The Contractor shall be subject to these road user costs for each and every day that these provisions are not met. All costs for maintaining the work zones as described above shall be included under Item 614 – Maintaining Traffic.

Suspension of Work

If the Contractor fails to comply with the provisions for traffic control as set forth in these plans or with provisions of the OMUTCD, the Engineer shall suspend work until the Contractor complies with the necessary requirements.

Payment

All work and traffic control devices shall be in accordance with CMS 614 and other applicable portions of the specifications, as well as the Ohio Manual of Uniform Traffic Control Devices. Payment for all labor, equipment, and materials shall be included in the lump sum contract price for Item 614 – Maintaining Traffic unless separately itemized in the plans.

Lane Closure/Reduction Required

Length and duration of lane closures and restrictions shall be at the approval of the Engineer. It is the intent to minimize the impact to the traveling public. Lane closures or restrictions over segments of the project in which no work is anticipated within a reasonable time frame, as determined by the Engineer, shall not be permitted. The level of utilization of maintenance of traffic devices shall be commensurate with the work in progress.

Schedule of Through Lanes to be Maintained

All lane closures may only be implemented at the times permitted by the "District 12 Permitted Lane Closure Times" list, which is located on the ODOT website:

http://www.dot.state.oh.us/districts/D12/HighwayManagement/Pages/PermittedLa neClosures.aspx

The latest revision, at 14 days prior to the bid date, shall be in effect for this project.

No lane or shoulder closures shall be in place when no work is being performed. unless directed by the Engineer. Shoulder closures shall only be allowed at the times specified for lane closures.

Any roadway not listed shall not have any lane closures on weekdays from 6:30am to 9:00am and 3:00pm to 6:00pm. Contact Troy Onesti, District 12 Work Zone Traffic Manager, at (216) 584-2204 if there are any questions.

All notes on the Permitted Lane Closure Times shall be part of the project.

Alternate Methods

If the Contractor so elects, he may submit alternate methods for the maintenance of traffic, provided the intent of the provisions is followed and no additional inconvenience to the traveling public results there from. A review period of 30 days shall be provided for the Engineer to review the submitted alternate methods. No alternate plan shall be placed into effect until approval has been granted, in writing, by the Director.

All items proposed for use under these provisions must comply with current Department standards for their use when the plan detail, Standard Construction Drawing or other bid document governing their use is not provided as part of the bid package.

Construction Traffic

All construction traffic shall use acceptable truck routes to access the construction area. Use of local residential streets is strictly prohibited unless allowed in writing by the local enforcement authorities.

Maintenance of Existing Signs

Per CMS 614.07, the Contractor shall maintain all existing signs for the duration of the project. For overhead signs being replaced by the project, leave the existing signage in place until the new signage is installed. If the existing signs cannot remain in place until the proposed signs are installed, install temporary ground mounted signs in the outside shoulder upon removal of the existing signs to ensure that directional signs are in place at all times.

Interim Completion Date

All work detailed in the plans shall be completed by October 15th, 2022, except for the following items:

- 1. Light pole installations.
- 2. Sign truss installations.
 - a. Includes all work necessary to remove existing barrier and place proposed barrier around the existing sign trusses once the proposed sign trusses are installed.
- 3. Full depth asphalt repairs and mill and fill activities.

Lane Value Contract Table

| Description of Critical Lane/Ramp to be Maintained | Restricted Time Period | Time Unit | Disincentive \$ per Time Unit per Lane |
|--|--|----------------|---|
| | IR-71 | | |
| SR-82 to US-42, NB & SB | As per the Permitted Lane Closure Schedule | Each Minute | \$285 |
| US-42 to Snow Road, NB & SB | As per the Permitted Lane Closure Schedule | Each Minute | \$325 |
| Snow Road to IR-480, NB & SB | As per the Permitted Lane Closure Schedule | Each Minute | \$250 |
| Over IR-480 & RR, NB & SB (2 lane section) | As per the Permitted Lane Closure Schedule | Each Minute | \$310 |
| Over IR-480 & RR, SB (3 lane section) | As per the Permitted Lane Closure Schedule | Each Minute | \$205 |
| RR to Fulton, NB & SB | As per the Permitted Lane Closure Schedule | Each Minute | \$240 |

The Contractor shall be assessed a disincentive in the amount of the sum total of those sections impacted by the physical lane restriction, including the Transition Area, Activity Area, and Termination Area as defined by the OMUTCD. Holiday disincentives shall be applied per section per lane per time unit.



DAB MK 10/15/21 87904

P.16 | 152

TIME: 11:07:02 AM CUY-71-5.71 BARRIER

Item 614 Maintaining Traffic – Work Zone Speed Zone Signs for Freeway Resurfacings

The following Work Zone Speed Zone (WZSZ) Speed Limit Revision(s) have been approved for use on this project when work zone conditions and factors are met as described below:

| WZSZ Revision Number | County & Route | Direction |
|----------------------|----------------|-----------|
| WZ-65239 | Cuyahoga IR-71 | NB & SB |

Potential WZSZ locations shall have an original (pre-construction) posted speed limit of 55 mph or greater, a qualifying work zone condition of at least 0.5 mile in length, an expected work duration of at least three hours, and a work zone condition in place that reduces the existing functionality of the travel lanes or shoulders (i.e., lane closure, lane shift, crossover, contraflow and/or shoulder closure). The length of the work zone condition is measured from the beginning of the taper for the subject work zone condition impacting the travel lanes and/or shoulder to the end of the downstream taper, where drivers are returned to typical alignment. An expected work duration of at least three hours is required to balance the additional exposure created by installing and removing WZSZ signing with the time needed to complete the work.

If the work zone meets these minimum criteria, it shall be analyzed further using Table 1 below to determine if and when it qualifies for a speed limit reduction. Depending on the original posted speed limit, the type of temporary traffic control used, and whether or not workers are present, a warranted WZSZ will vary in the approved speed limit to be posted over time.

C&MS Item 614, Paragraph 614.02(B), indicates that two directions of a divided highway are considered separate highway sections. Therefore, if the work on a multilane divided highway is limited to only one direction, a speed limit reduction in the direction of the work does not automatically constitute a speed limit reduction in the opposite direction. Each direction shall be analyzed independently from each other.

All WZSZs fluctuate between two approved reduced speed limits or between an approved reduced speed limit and the original posted speed limit. Only one of two signing strategies shall be used to implement a WZSZ.

WZSZs using DSL Sign Assemblies shall be in accordance with this note, Approved List, Supplemental Specifications (SS) 808 and 908, and Traffic SCD MT-104.10.

Only one warranted speed limit applies at any one time; speed limit reductions are not cumulative. WZSZs shall not be used for Moving/Mobile activities, as defined in OMUTCD Part 6.

When looking up the warranted work zone speed limits, always use the original, preconstruction, posted speed limit. Do not use a prior or current work zone speed limit as a look up value in the table. Positive Protection is generally regarded as portable barrier or other rigid barrier in use along the work area within the subject warranted work zone condition. Without Positive Protection is generally regarded as using drums, cones, shadow vehicle, etc., along the work area within the subject warranted work zone condition. Workers are considered as being present when on-site, working within the subject warranted work zone condition. When the work zone condition reducing the existing functionality of the travel lanes or shoulders is removed, the speed limit displayed shall return to the original posted speed limit.

Table 1: Warranted Work Zone Speed Limits (MPH) for Work Zones on High-Speed (55 mph or greater) Multi-Lane Highways

| | WITH Posit | ive Protection | WITHOUT Po | sitive Protection |
|-----------------------------|--------------------|-------------------------------|--------------------|-------------------------------|
| Original Posted Speed Limit | Workers Present | <u>Workers</u> NOT Present | Workers Present | <u>Workers</u> NOT Present |
| 70 | 60 | 65 | 55 | 65 |
| 65 | 55 | 60 | 50 | 60 |
| 60 | 55 | 60 | 50 | 60 |
| 55 | 50 | 55 | 45 | 55 |

The following estimated quantity has been carried to the General Summary.

Assuming 18 DSL Sign Assemblies for 6 Months

Item 614 Work Zone Increased Penalties Sign

R11-H5a-48 signs shall be furnished, erected, and maintained in good condition and/or replaced as necessary and subsequently removed by the Contractor. Signs shall be mounted at the appropriate offsets and elevations as prescribed by the Ohio Manual of Uniform Traffic Control Devices. They shall be maintained on supports meeting current safety criteria.

The signs may be erected or uncovered no more than four hours before the actual start of work. The signs shall be removed or covered no later than four hours following restoration of all lanes to traffic with no restrictions, or sooner as directed by the Engineer. Temporary sign covering and uncovering due to temporary lane restorations shall be guided by the four-hour limitations stated above. Such lane restorations should be expected to remain in effect for 30 or more consecutive calendar days, such as during winter shut-downs.

The signs on the mainline shall be dual mounted unless not physically possible. The first sign shall be placed between the ROAD WORK AHEAD (W20-1) sign and the next sign in the sequence. Signs shall be erected on each entrance ramp and every 2 miles through the construction work limits. Signs on the mainline shall be R11-H5a-48. Signs used on the ramps shall be R11-H5a-24. R11-H5a-24 signs may be used in the median in lieu of R11-H5a-48 signs if it is not physically possible to provide R11-H5a-48 signs in the median.

The R11-H5a-48 signs shall be mounted on 2 No. 3 posts when located within clear zones.

The Contractor may use signs and supports in used, but good, condition provided the signs meet current ODOT specifications. Sign faces shall be retroreflectorized with Type G sheeting complying with the requirements of C&MS 730.19.

Work Zone Increased Penalties signs and supports will be measured as the number of sign installations, including the sign and necessary supports. If a sign and support combination is removed and reerected at another location as directed by the Engineer, it shall be considered another unit.

Payment for accepted quantities, complete, in place will be made at the contract unit price. Payment shall be full compensation for all materials, labor, incidentals and equipment for furnishing, erecting, maintaining, covering during suspension of work, and removal of the sign and support.

Item 614, Work Zone Impact Attenuator, 24" Wide Hazards, (Unidirectional)

This item shall consist of furnishing and installing a non-gating impact attenuator. Furnish an impact attenuator from the Office of Roadway Engineering's approved list for Work Zone Impact Attenuators, from the Roadway Standard's web page for Roadway Standards Approved Products.

Installation shall be at the locations specified in the plans in accordance with the manufacturer's specifications.

The Contractor shall repair or replace a damaged unit within 24 hours of a damaging impact.

When bidirectional designs are specified, the Contractor shall supply appropriate transitions.

When gating impact attenuators are desired, the Contractor shall submit documentation to the Engineer for acceptance.

The cost for the additional barrier required for a gating impact attenuator shall be included in the cost of the gating impact attenuator.

Payment for the above work shall be made at the unit price bid and shall include all labor, tools, equipment and materials necessary to construct and maintain a complete and functional impact attenuator system, including all related backups, transitions, leveling pads, hardware and grading, not separately specified, as required by the manufacturer. The following estimated quantity has been carried to the General Summary:

Item 614 – Work Zone Impact Attenuator,

Item 622 – Portable Barrier, Unanchored

This item of work shall be used when placing proposed concrete barrier in the median at the locations specified in the plans. The following estimated quantity has been carried to the General Summary:

Winter Shutdown

If sign truss installations and full depth asphalt repairs are not completed prior to traffic being restored to normal lane configuration, then the Contractor shall place portable barrier and impact attenuators in the median shoulder to protect traffic from any gaps in the proposed barrier yet to be closed and/or any gaps in the pavement between the proposed barrier footer and existing sawcut line in the shoulder. The following estimated quantities have been carried to the General Summary to be used as directed by the Engineer:

Item 614 – Work Zone Impact Attenuator,

Delineation of Portable and Permanent Barrier

Barrier Reflectors and Object Markers shall be installed on all Portable Barrier (PB) used for traffic control and on permanent concrete barrier (including bridge parapets) located within 5 feet of the edge of the adjacent travel lane.

Barrier Reflectors shall conform to C&MS 626, except that the spacing shall be as per Traffic SCD MT-101.70. Object Markers and their installation shall conform to C&MS 614.03 and SCD MT-101.70. When the PB contains glare screen, one set of three vertical stripes of sheeting shall be considered equivalent to an object marker, one-way.

The following estimated quantities have been included in the plans and carried to the General Summary:

Construction Access Points

To be able to access the work area, the Contractor will be permitted to set up two construction access points in each direction. Four additional work zone impact attenuators have been provided in the General Summary for this purpose. The quantity of portable barrier has been calculated for the entire length of the project, in both directions. The Contractor shall receive no additional payment for portable barrier or impact attenuators when moving the construction access points to complete the construction of the proposed median barrier. The Contractor shall submit proposed locations for the construction access points to the Engineer for approval prior to setting up the work zone.



DAB MK 10/15/21 87904

P.20 | 152

SHEET NUM. PART. ITEM GRAND SEE **DESCRIPTION** UNIT SHEET NO 10 11 13 15 17 18 19 20 53 56 57 59 118 127-130 01/IMS/OT EXT TOTAL LIGHTING (CONTINUED) 61,187 61,187 23200 61,187 NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE 15,400 15,400 625 23400 15,400 NO. 10 AWG POLE AND BRACKET CABLE 50 50 625 24320 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES 88 LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN, 3000K, 47000 LUMEN 15 88 625 26273 88 EACH 160 160 625 29002 160 FT 18 625 29931 EACH MEDIAN JUNCTION BOX, AS PER PLAN B 625 EACH 32 32 29931 32 MEDIAN JUNCTION BOX, AS PER PLAN C 15 625 30700 FACH PULL BOX, 725.08, 18" 24 24 625 30711 EACH PULL BOX, 725.08, 32", AS PER PLAN 15 24 79 87 625 32000 87 EACH **GROUND ROD** 625 35021 EACH RE-ERECT EXISTING LIGHT TOWER, AS PER PLAN 15 LS 15 LS SPECIAL 62540000 LS MAINTAIN EXISTING LIGHTING 88 75400 LIGHT POLE REMOVED 88 625 88 EACH 176 176 625 75506 176 EACH LUMINAIRE REMOVED 625 75800 DISCONNECT CIRCUIT LS LS 625 98200 LS LIGHTING, MISC.: LIGHT POLE IDENTIFIERS 15 CONDUIT, MULTICELL, JACKED OR DRILLED, 4" 3,780 3,780 809 24000 3,780 FT FT 240 240 809 24500 240 CONDUIT, 4", MULTICELL, HDPE WITH 4 – 1" INNERDUCTS GENERAL SUMMARY TRAFFIC CONTROL 00500 DELINEATOR, POST GROUND MOUNTED, TYPE C 14 625 29931 EACH MEDIAN JUNCTION BOX, AS PER PLAN A BARRIER REFLECTOR, TYPE 1, ONE WAY 442 442 626 00102 442 EACH 626 00110 EACH BARRIER REFLECTOR, TYPE 2, ONE WAY OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1, AS PER PLAN 630 72411 EACH 630 72421 EACH OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 2, AS PER PLAN 14 630 79500 EACH SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH 38 630 79610 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED 38 38 180 630 80100 SF SIGN, FLAT SHEET 180 180 EACH CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.50 630 84010 630 84510 RIGID OVERHEAD SIGN SUPPORT FOUNDATION 16 16 630 85100 EACH REMOVAL OF GROUND MOUNTED SIGN AND REERECTION 18 87100 REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION 630 18 EACH 630 89802 EACH REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-7.65 19.42 646 10010 19.42 MILE 18 44 18 44 646 10110 18.44 MILE LANE LINE, 6" 8.482 8,482 646 10310 8,482 FT CHANNELIZING LINE, 12" 327 327 646 10620 327 FT CHEVRON MARKING 5,885 5,885 FT 646 20504 5,885 DOTTED LINE, 6" 2,285 2,285 646 20510 2,285 FT DOTTED LINE, 12" MAINTENANCE OF TRAFFIC 300 11110 LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 300 614 300 HOUR WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) 24 614 12380 24 EACH 20 20 12484 EACH WORK ZONE INCREASED PENALTIES SIGN 1,613 1,613 614 12800 1,613 EACH WORK ZONE RAISED PAVEMENT MARKER 614 CY 25 25 13000 25 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 957 957 614 13310 957 EACH BARRIER REFLECTOR, TYPE 1, ONE WAY 953 614 13350 953 EACH OBJECT MARKER, ONE WAY 12 614 18601 SNMT PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 18 15.62 15.62 614 20110 MILE WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT UY-71-5.71 BARRIER 16.99 16.99 614 22110 16.99 MILE WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT 15,994 15,994 614 23210 15,994 7,661 7,661 614 FT WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT 7,661 300 300 630 97800 300 SF SIGNING, MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER 19 DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY 108 808 18700 108 SNMT 108 DAB INCIDENTALS CPM PROGRESS SCHEDULE 108 10000 LS MK 10/15/2 LS 614 11000 LS MAINTAINING TRAFFIC 6 619 16011 FIELD OFFICE, TYPE B, AS PER PLAN 10 87904 LS 10 LS 623 10001 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN LS LS 624 10000 MOBILIZATION P.41 152

| | | | | | | l | | 1 | | 202 | 254 | 305 | 407 441 | 442 | | |
|-----|-------|-------|------------------------|------------------------|----------------|--------------|--------------|--------------|-----------------|------|-------------------------|-------------|--|--|---|--------------|
| | | O | | | | | WIDTH | WIDTH | | ΈD | , ASPHALT PLAN, 1.5" | CLASS | COAT | AN, | | |
| | | ∠ | | | LENGTH | WIDTH | | ≷ | _ < | MOV | G, A | SE, | ION-TRACKING TACK C ASPHALT CONCRETE TERMEDIATE COURSE, 2, (448), 4" | E, 12 E, 12 PER 1.5" | | |
| | SHEET | SPLIT | STATION T | TO STATION | | | ENDING | AVERAGE | AREA | H | PLANING, | BA 1 | NG 1 | CON URS AS | | |
| NO. | NO. | တ္ | 01/11/01/1 | 1001/11011 | <u> </u> | BEGIN | 🗧 | | ⋖ | | PLAS: | 110 | CKING ALT CO | CO (26.7) | | |
| | | PLAN | | | | | | \ <u>\</u> | | VEN | | CONCRETE | TRA SPH, | PG P | | |
| | | 줍│ | | | | | | ⋖ | | ₫ | PAVEMENT F | 8 | NON-: | NR. AS | | |
| | | | | | | | | | | | | .6 | z <u>z</u> | | | |
| | | | | | FT. | FT. | FT. | FT. | SQ. YD. | SY | SY | SY | GAL CY | CY | | |
| | | | | ESURFACING | | | | | | | | | | | | |
| | | 1 | 814+30.00 | 822+82.48 | 852.48 | 4.00 | 4.00 | 4.00 | 378.88 | | 378.88 | | 34.10 | 15.79 | | |
| | | 1 | 825+54.52 | 825+68.43 | 13.91 | | | CADD AREA | 5.06 | | 5.06 | | 0.46 | 0.22 | | |
| | | 1 | 825+68.43 | 828+05.00 | 236.57 | 4.00 | 4.00 | 4.00 | 105.15 | | 105.15 | | 9.47 | 4.39 | | |
| | | 1 | 828+05.00 828+95.00 | 828+95.00 | 90.00 | 2.00 4.00 | 2.00 | 2.00 | 20.00 | | 20.00 456.02 | | 1.80 41.05 | 0.84 | | |
| | | ' | 020+95.00 | 839+21.03 | 1026.03 | 4.00 | 4.00 | 4.00 | 456.02 | | 456.02 | | 41.05 | 19.01 | | |
| | | 1 | 841+16.38 | 851+75.00 | 1058.62 | 4.00 | 4.00 | 4.00 | 470.50 | | 470.50 | | 42.35 | 19.61 | | |
| | | 1 | 851+75.00 | 852+65.00 | 90.00 | 2.00 | 2.00 | 2.00 | 20.00 | | 20.00 | | 1.80 | 0.84 | | |
| + | | 1 | 852+65.00 | 879+22.00 | 2657.00 | 4.00 | 4.00 | 4.00 | 1180.89 | | 1180.89 | | 106.29 | 49.21 | | |
| | | 1 | 879+28.00 | 902+23.67 | 2295.67 | 4.00 | 4.00 | 4.00 | 1020.30 | | 1020.30 | | 91.83 | 42.52 | | |
| | | 1 | 902+23.67 | 902+63.67 | 40.00 | 4.00 | 2.50 | 3.25 | 14.45 | | 14.45 | | 1.31 | 0.61 | | |
| | | 1 | 902+63.67 | 903+10.11 | 46.44 | 2.50 | 2.50 | 2.50 | 12.91 | | 12.91 | | 1.17 | 0.54 | | |
| | | 1 | 903+10.11 | 903+50.11 | 40.00 | 2.50 | 4.00 | 3.25 | 14.45 | | 14.45 | | 1.31 | 0.61 | | |
| | | 1 | 903+50.11 | 927+59.23 | 2409.12 | 4.00 | 4.00 | 4.00 | 1070.72 | | 1070.72 | | 96.37 | 44.62 | | |
| | | 1 | 929+40.54 | 938+96.33 | 955.79 | 4.00 | 4.00 | 4.00 | 424.80 | | 424.80 | | 38.24 | 17.70 | | |
| | | | | | | | | | | | | | | | | |
| | | 1 | 940+61.35 | 941+66.00 | 104.65 | 4.00 | 4.00 | 4.00 | 46.52 | | 46.52 | | 4.19 | 1.94 | | |
| | | 1 | 941+66.00 942+06.00 | 942+06.00 942+16.00 | 40.00 10.00 | 4.00 3.00 | 3.00 3.00 | 3.50 3.00 | 15.56 3.34 | | 15.56 3.34 | | 1.41 0.31 | 0.65 0.14 | | |
| | | 1 | 942+16.00 | 942+56.00 | 40.00 | 3.00 | 4.00 | 3.50 | 15.56 | | 15.56 | | 1.41 | 0.65 | | |
| | | 1 | 942+56.00 | 942+70.00 | 14.00 | 4.00 | 4.00 | 4.00 | 6.23 | | 6.23 | | 0.57 | 0.26 | | |
| | | 1 | 942+70,00 | 943+60.00 | 90.00 | 2.00 | 2.00 | 2.00 | 20.00 | | 20.00 | | 1.80 | 0.84 | | |
| | | 1 | 943+60.00 | 953+63.89 | 1003.89 | 2.00 4.00 | 2.00 4.00 | 2.00 4.00 | 20,00 446.18 | | 446.18 | | 40.16 | 18.60 | | |
| | | | | | | | | | | | | | | | | |
| | | 1 | 955+75.44 | 965+05.00 | 929.56 | 4.00 | 4.00 | 4.00 | 413.14 | | 413.14 | | 37.19 1.37 | 17.22 0.63 | | |
| | | 1 | 965+05.00 965+73.00 | 965+73.00 965+84.00 | 68.00 11.00 | 2.00 2.00 | 2.00 1.73 | 2.00 1.86 | 15.12 2.28 | | 15.12 2.28 | | 0.21 | 0.63 | | |
| | | 1 | 965+84.00 | 966+13.00 | 29.00 | 3.73 | 3.00 | 3.36 | 10.84 | | 10.84 | | 0.98 | 0.46 | | |
| | | 1 | 966+13.00 | 966+23.00 | 10.00 | 3.00 | 3.00 | 3.00 | 3.34 | | 3.34 | | 0.31 | 0.14 | | |
| | | 1 | 966+23.00 | 966+63.00 | 40.00 | 3.00 | 4.00 | 3.50 | 15.56 | | 15.56 | | 1.41 | 0.65 | | |
| | | 1 | 966+63.00 | 968+28.77 | 165.77 | 4.00 | 4.00 | 4.00 | 73.68 | | 73.68 | | 6.64 | 3.07 | | |
| | | | | | | | | | | | | | | | | |
| | | 1 | 970+98.80 | 973+94.48 | 295.68 | 4.00 | 4.00 | 4.00 | 131.42 | | 131.42 | | 11.83 | 5.48 | | |
| | | 1 | 975+90.48 | 998+35.00 | 2244.52 | 4.00 | 4.00 | 4.00 | 997.57 | | 997.57 | | 89.79 | 41.57 | | |
| | | 1 | 998+35.00 | 998+75.00 | 40.00 | 4.00 | 3.00 | 3.50 | 15.56 | | 15.56 | | 1.41 | 0.65 | | |
| | | 1 | 998+75.00 | 998+85.00 | 10.00 | 3.00 | 3.00 | 3.00 | 3.34 | | 3.34 | | 0.31 | 0.14 | | |
| | | 1 | 998+85.00 998+93.00 | 998+93.00 999+25.00 | 8.00 32.00 | 3.00 1.20 | 3.20 2.00 | 3.10 1.60 | 2.76 5.69 | | 2.76 5.69 | | 0.25 0.52 | 0.12 0.24 | | |
| | | | | | | | | | | | | | | | | |
| | | 1 | 999+25.00 | 999+51.00 | 26.00 | 2.00 | 2.00 | 2.00 | 5.78 | | 5.78 | | 0.53 | 0.25 | | DESI |
| - | | 1 | 999+51.00 | 1010+82.68 | 1131.68 | 4.00 | 4.00 | 4.00 | 502.97 | | 502.97 | | 45.27 | 20.96 | | |
| | | | | <u>ESURFACING</u> | | | | | | | | | | | | |
| | | 1 | 781+07.33 | 781+12.99 | 5.66 | 4.00 | 4.00 | CADD AREA | 1.42 | | 20.70 | | 2.05 | | | (|
| | | 1 | 781+12.99 | 781+89.00 | 76.01 | 4.00 | 4.00 | 4.00 | 33.79 | 7.51 | 33.79 | | 3.05 | 1.41 | | |
| | | | | SUBTOTALS | | | | | | 7.51 | 7980.36 | | 718.47 | 332.68 | | DESI |
| | | | | | | | | | | 7.31 | | | / 10.4/ | 332.00 | | |
| | | | TC | OTALS CARRIED TO SHEE | ET 56 | | | | | 8 | 7980 | | 718 | 333 | | EM PRO |
| | | | | PLAN SPLIT #1 TOTAL | | | | | | 8 | 7980 | | 718 | 333 | | OUE |
| | | | | PLAN SPLIT #2 TOTAL | | | | | | 0 | 1 300 | | 710 | 333 | | SHEE P |

| | _ | 4 | - | = | 1 | 1 | - | 4 | 4 | | | 1 | 1 | 1 | 4 | 4 | 4 | ╛ | | 1 | 1 | 1 | 1 | 1 | - | 4 | 4 | 4 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | - | 4 | 1 | ╛ | 1 | 1 | 1 | 1 | 1 | 1 | ┨ | 4 | 4 | DESIGN | | Ι. | \perp |] ([| 1 / | DESIGN | 1 | ┢ | EMI- PROJE | ЕМ |
|---|---------|-------------------|--------------------------------|-----------|-----------|-----------|----------|-------------------|---|-----------|-----------|-----------|---|-----------|---------------|-------------------|-----------|---|-----------|---|-----------|-----------|-----------|-----------|------------|-----------|-------------------|---|-----------|-----------|-----------|-----------|-----------|---|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|-----------|---|---------------|-----------|---|-----------|-----------|-----------|----|-----------|------------|-----|--------|---|-----------|-------------------------------------|----|
| | | | | | | - | - | \longrightarrow | | | 1 1 | 1 1 | | | $\overline{}$ | \longrightarrow | | | 1 | | 1 1 | | | - | | | \longrightarrow | | | 1 1 | | | | | | | | | | | | | | 1 1 | 1 1 | | | | $\overline{}$ | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG76-22M, 1.5" | CY | | 0.70 | 0.65 | 0.14 | 0.65 | | 27.84 | | 4.39 | 0.84 | 19.15 | | 19.82 | 0.84 | | 49.21 | | 42.52 | | 0.61 | 0.54 | 0.61 | 44.67 | 44.07 | 47.04 | 17.81 | | 2.05 | 0.65 | 0.14 | 0.65 | 0.26 | | 0.84 | 18.58 | 10.30 | 47.50 | 17.53 | 0.63 | 0.10 | 0.46 | 0.14 | 0.65 | 3.07 | | 6.11 | | 41.67 | 0.65 | | 0.14 | 0.12 | 0.24 | | 0.25 | 20.96 | | | ı | 346.88 | 346.88 347 | |
| ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE \$\frac{1}{2}, (448), 4" | CY | | | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | | | | + | - | | | | | | | | | | | | | | | - | | | | | | | | | | | | |
| NON-TRACKING TACK COAT 6 | GAL | | 1.50 | 1.41 | 0.31 | 1.41 | | 60.14 | | 9.47 | 1.80 | 41.36 | | 42.80 | 1.80 | | 106.29 | | 91.83 | | 1.31 | 1.17 | 1.31 | 96.48 | 30.40 | 00.45 | 38.45 | | 4.42 | 1.41 | 0.31 | 1.41 | 0.57 | | 1.80 | 40.14 | 40.14 | 37.85 | | 1.37 | 0.21 | 0.98 | 0.31 | 1.41 | 6.62 | | 13.19 | | 90.00 | 1.41 | | 0.31 | 0.25 | 0.52 | | 0.53 | 45.27 | | | | 749.13 | 749.13 749 | |
| 9" CONCRETE BASE, CLASS QC 1P | SY | | | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | | | | + | - | | | | | | | | | | | | | | | - | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1.5" P. | SY | | 16.65 | 15.56 | 3.34 | 15.56 | | 668.14 | | 105.15 | 20.00 | 459.46 | | 475.52 | 20.00 | | 1180.89 | | 1020.30 | | 14.45 | 12.91 | 14.45 | 1071.91 | 107 1.51 | 107.00 | 427.22 | | 49.08 | 15.56 | 3.34 | 15.56 | 6.23 | | 20.00 | 445.90 | 445.90 | 400.50 | 420.53 | 15.12 | 2.28 | 10.84 | 3.34 | 15.56 | 73.54 | | 146.53 | | 999.92 | 15.56 | | 3.34 | 2.76 | 5.69 | | 5.78 | 502.97 | | | | 8320.94 | 8320.94 8321 | |
| PAVEMENT REMOVED | SY | | 0.70 | 3.34 | 1.40 | 3.35 | | 5.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13.98 | 13.98 14 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AREA | SQ. YD. | | 16.65 | 15.56 | 3.34 | 15.56 | | 668.14 | | 105.15 | 20.00 | 459.46 | | 475.52 | 20.00 | | 1180.89 | | 1020.30 | | 14.45 | 12.91 | 14.45 | 1071.91 | 107 1.51 | 407.00 | 427.22 | | 49.08 | 15.56 | 3.34 | 15.56 | 6.23 | | 20.00 | 445.90 | 445.90 | 400.50 | 420.53 | 15.12 | 2.28 | 10.84 | 3.34 | 15.56 | 73.54 | | 146.53 | | 999.92 | 15.56 | | 3.34 | 2.76 | 5.69 | | 5.78 | 502.97 | | | | | | |
| AVERAGE WIDTH | FT. | | 4.00 | 3.50 | 3.00 | 3.50 | | 4.00 | | 4.00 | 2.00 | 4.00 | | 4.00 | 2.00 | | 4.00 | | 4.00 | | 3.25 | 2.50 | 3.25 | 4.00 | 7.00 | 4.00 | 4.00 | | 4.00 | 3.50 | 3.00 | 3.50 | 4.00 | | 2.00 | 4.00 | 4.00 | 4.00 | 4.00 | 2.00 | 1.86 | 3.36 | 3.00 | 3.50 | 4.00 | | 4.00 | | 4.00 | 3.50 | | 3.00 | 3.10 | 1.60 | | 2.00 | 4.00 | | | | | | |
| ENDING WIDTH | FT. | | 4.00 | 3.00 | 3.00 | 4.00 | | 4.00 | | 4.00 | 2.00 | 4.00 | | 4.00 | 2.00 | | 4.00 | | 4.00 | | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | | 4.00 | 3.00 | 3.00 | 4.00 | 4.00 | | 2.00 | 4.00 | 4.00 | 4.00 | 4.00 | 2.00 | 1.73 | 3.00 | 3.00 | 4.00 | 4.00 | | 4.00 | | 4.00 | 3.00 | | 3.00 | 3.20 | 2.00 | | 2.00 | 4.00 | | | | | | |
| BEGIN WIDTH | FT. | | 4.00 | 4.00 | 3.00 | 3.00 | | 4.00 | | 4.00 | 2.00 | 4.00 | | 4.00 | 2.00 | | 4.00 | | 4.00 | | 4.00 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 | | 4.00 | 4.00 | 3.00 | 3.00 | 4.00 | | 2.00 | 4.00 | 4.00 | 4.00 | 4.00 | 2.00 | 2.00 | 3.73 | 3.00 | 3.00 | 4.00 | | 4.00 | | 4.00 | 4.00 | | 3.00 | 3.00 | 1.20 | | 2.00 | 4.00 | | | | | | |
| LENGTH | FT. | | 37.45 | 40.00 | 10.00 | 40.00 | | 1503.31 | | 236.57 | 90.00 | 1033.78 | | 1069.91 | 90.00 | | 2657.00 | | 2295.67 | | 40.00 | 46.44 | 40.00 | 2411.78 | 2411.70 | 004.04 | 961.24 | | 110.43 | 40.00 | 10.00 | 40.00 | 14.00 | | 90.00 | 1003.26 | 1003.20 | 040.40 | 946.18 | 68.00 | 11.00 | 29.00 | 10.00 | 40.00 | 165.45 | | 329.69 | | 2249.80 | 40.00 | | 10.00 | 8.00 | 32.00 | | 26.00 | 1131.68 | | | | | 56 | 56 |
| I TO STATION | | NUDEACING (CONT.) | SURFACING (CONT.) 806+83.73 | 807+23.73 | 807+33.73 | 807+73.73 | | 822+77.04 | | 828+05.00 | 828+95.00 | 839+28.78 | | 851+75.00 | 852+65.00 | | 879+22.00 | | 902+23.67 | | 902+63.67 | 903+10.11 | 903+50.11 | 927+61.89 | 327 101.00 | 000.04.45 | 939+01.15 | | 941+66.00 | 942+06.00 | 942+16.00 | 942+56.00 | 942+70.00 | | 943+60.00 | 953+63.26 | 900+00.20 | 005.05.00 | 965+05.00 | 965+73.00 | 965+84.00 | 966+13.00 | 966+23.00 | 966+63.00 | 968+28.45 | | 973+98.20 | | 998+35.00 | 998+75.00 | | 998+85.00 | 998+93.00 | 999+25.00 | | 999+51.00 | 1010+82.68 | | | | SUBTOTALS | SUBTOTALS TOTALS CARRIED TO SHEET 5 | |
| STATIOI | | ID 74 0D DE | 806+46.28 | 806+83.73 | 807+23.73 | 807+33.73 | | 807+73.73 | | 825+68.43 | 828+05.00 | 828+95.00 | | 841+05.09 | 851+75.00 | | 852+65.00 | | 879+28.00 | | 902+23.67 | 902+63.67 | 903+10.11 | 903+50.11 | 300.00.11 | 000.00.01 | 929+39.91 | | 940+55.57 | 941+66.00 | 942+06.00 | 942+16.00 | 942+56.00 | | 942+70.00 | 943+60.00 | 943+60.00 | 055 : 50 00 | 955+58.82 | 965+05.00 | 965+73.00 | 965+84.00 | 966+13.00 | 966+23.00 | 966+63.00 | | 970+68.51 | | 975+85.20 | 998+35.00 | | 998+75.00 | 998+85.00 | 998+93.00 | | 999+25.00 | 999+51.00 | | | | | | |
| PLAN SPLIT NO. | | | 1 | 1 | 1 | 1 | <u> </u> | 1 | | 1 | 1 | 1 | | 1 | 1 | · · | 1 | | 1 | | 1 | 1 | 1 | 1 | ' | | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | ' | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | | | | | | |
| SHEET NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T | | | | | | |
| REF. NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | <u> </u> | | | | 202 | 254 | | 305 | 407 | 441 | 442 | | | \top |
|------------|----------|----------|------------------------|---|--------------|--------------|--------------|---------------|---------------|----------------|-------------------------|-----|----------------|--------------|--|--|--------------|----------|--------|
| | | | | | | | _ | | | | IALT 1.5" | | SS | AT | Ë ,TYPE | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG76-22M, 1.5" | | | 1 |
| | | Š. | | | | E | ENDING WIDTH | AVERAGE WIDTH | | <u> </u> | , ASPH PLAN, | | CLA | COA | H H | PLA I | | | |
| | | Z | | | | '⊡ | | ₹ | | <u> </u> 0 | , A | | SE, C | TACK | RS | K 12 12 12 12 13 14 15 15 15 15 15 15 15 | | | |
| REF. | SHEET | 5 | | | <u>6</u> | > | > 0 | Į į | | GE | <u>§</u> ₩ | | BAS 1P | . T. | NS S. 4. | SSE SP NG | | | |
| NO. | NO. | SPLIT | STATION TO S | STATION | LENGTH | = | \(\geq\) | l AG | AREA | | PLANING, | | Щò | S S | 5 H 4 | 5 P (2 | | | |
| 110. | ''' | Ž | | | | BEGIN WIDTH | 📮 | 꿈 | | WE | _ F P | | , H | ACK | \\ \ \ \ \ \ \ \ \ \ \ \ \ | A A A A A A A A A A | | | |
| | | PLAN | | | | | <u> </u> | | | PAVE | | | CONCRETE | -iR | ASPHALT CONCRETE TERMEDIATE COURSE, 1 2, (448), 4" | FACE | | | |
| | | ۳ ا | | | | | | ` | | | PAVEMENT P CONCRETE, | | Ŭ | NON-TRACKING | | A B E | | | |
| | | | | | | | | | | | | | | | <u> </u> | | | | 4 |
| | | | | | FT. | FT. | FT. | FT. | SQ. YD. | SY | SY | | SY | GAL | CY | CY | | | 4 |
| | | | IR-71 NB FULL DEPTH | | | | | | | | | | | | | | | | 1 |
| P-1 | 70 75 | 1 | 828+05.00 | 828+95.00 | 90.00 | 2.00 | 2.00 | 2.00 | 20.00 | 14.45 | | | 20.00 | 3.60 | 2.23 | 0.84 | | | 4 |
| P-3 P-5 | 75 80 | 1 | 851+75.00 879+22.00 | 852+65.00 879+28.00 | 90.00 | 2.00 4.00 | 2.00 4.00 | 2.00 4.00 | 20.00 2.67 | 14.45 2.67 | | + | 20.00 2.67 | 3.60 0.49 | 2.23 0.30 | 0.84 0.12 | | | ┨ |
| P-7 | 93 | 1 | 942+70.00 | 943+60.00 | 90.00 | 2.00 | 2.00 | 2.00 | 20.00 | 14.45 | | | 20.00 | 3.60 | 2.23 | 0.84 | | | 1 |
| P-9 | 98 | 1 | 965+05.00 | 965+84.00 | 79.00 | 2.00 | 2.00 | 2.00 | 17.56 | 12.33 | | | 17.56 | 3.17 | 1.96 | 0.74 | | | 1 |
| D 44 | 404 | 4 | 000.00.00 | 000.54.00 | 50.00 | 2.00 | 0.00 | 2.00 | 40.00 | 40.40 | | | 40.00 | 0.00 | 4.44 | 0.54 | | |] |
| P-11 | 104 | 1 | 998+93.00 | 999+51.00 | 58.00 | 2.00 | 2.00 | 2.00 | 12.89 | 10.18 | | | 12.89 | 2.33 | 1.44 | 0.54 | | | 1 |
| Б.0 | 70 | 4 | IR-71 SB FULL DEPTH | | 00.00 | 0.00 | 0.00 | 0.00 | 00.00 | 44.45 | | | 00.00 | 0.00 | 0.00 | 0.04 | | | 1 |
| P-2 P-4 | 70 75 | 1 | 828+05.00 851+75.00 | 828+95.00 852+65.00 | 90.00 | 2.00 2.00 | 2.00 | 2.00 2.00 | 20.00 | 14.45 14.45 | | + + | 20.00 20.00 | 3.60 3.60 | 2.23 2.23 | 0.84 0.84 | | | - |
| P-6 | 80 | 1 | 879+22.00 | 879+28.00 | 6.00 | 4.00 | 4.00 | 4.00 | 2.67 | 2.67 | | + + | 2.67 | 0.49 | 0.30 | 0.12 | | | 1 |
| P-8 | 93 | 1 | 942+70.00 | 943+60.00 | 90.00 | 2.00 | 2.00 | 2.00 | 20.00 | 14.45 | | | 20.00 | 3.60 | 2.23 | 0.84 | | | 1 |
| P-10 | 98 | 1 | 965+05.00 | 965+84.00 | 79.00 | 2.00 | 2.00 | 2.00 | 17.56 | 12.35 | | | 17.56 | 3.17 | 1.96 | 0.74 | | |] |
| P-12 | 104 | 1 | 998+93.00 | 999+51.00 | 58.00 | 2.00 | 2.00 | 2.00 | 12.89 | 10.18 | | | 12.89 | 2.33 | 1.44 | 0.54 | | | - |
| P-12 | 104 | <u>'</u> | 996+93.00 | 999+51.00 | 56.00 | 2.00 | 2.00 | 2.00 | 12.09 | 10.10 | | | 12.09 | 2.33 | 1.44 | 0.54 | | | - |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | + | | | | | | | ┨ |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | |] |
| | | | | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | | | | | | - |
| | | | | | | | | | | | | + | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | |] |
| | | | | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | + | | | | | | | - |
| | | | | | | | | | | | | + | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | - |
| | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | DES |
| | | | | SUBTOTALS | | | | | | 137.08 | | | 186.24 | 33.58 | 20.78 | 7.84 | | | ╛ |
| | | | TO | TALS CARRIED BELO | W | | | | | 137 | | | 186 | 34 | 21 | 8 | | | |
| | | | | PLAN SPLIT #1 TOTAL | | | | | | 137 | | | 186 | 34 | 21 | 8 | | <u> </u> |] |
| | | | | PLAN SPLIT #2 TOTAL | | | | | | 137 | | | 100 | JŦ | | | | | DES |
| | | | | | | | | | | , | | | | | | | , | | Ĺ |
| | | | | TOTALS FROM SHEET 54 | | | | | | 8 | 7980 | + | | 718 | | 333 | | | EM |
| | | | | TOTALS FROM SHEET 55 TOTALS FROM THIS SHEET | | | | | | 14 137 | 8321 | + | 186 | 749 34 | 21 | 347 8 | | | PRO |
| | | | | ARRIED TO GENERAL | OLINANA A DV | | | | | 159 | 16301 | + + | 186 | 1501 | 21 | 688 | | | SHEE |
| | | | | | | | | | | | | | | | | . 600 1 | | | Р |