

GENERAL NOTES

LAKE COUNTY
LAK-20-5.60

CALC: 902 7/77
CHK: JIT 8/77

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY OF BUILDING THIS PROJECT UNDER TRAFFIC AND CONSTRUCTING THE PAVEMENT PART AT A TIME, EXTREME CARE SHALL BE TAKEN TO PREVENT THE CONSTRUCTION OF A BUTT JOINT ON CENTERLINE IN THE 310 COURSES.

THIS SHALL BE ACCOMPLISHED BY BUILDING THE 310 COURSES PLACED WITH THE FIRST PORTION OF THE PAVEMENT BUILT AT LEAST EIGHTEEN (18) INCHES BEYOND THE CENTERLINE AND BY SURFACING NO CLOSER THAN EIGHTEEN (18) INCHES TO THIS EDGE OF THE ABOVE COURSES. WHEN THE SECOND PORTION OF THE PAVEMENT IS BUILT, AT LEAST TWELVE (12) INCHES OF THESE PROJECTING COURSES SHALL BE BROKEN DOWN AND THOROUGHLY KEYED IN WITH THE NEWLY PLACED CORRESPONDING COURSES IN THE SECOND PORTION OF THE PAVEMENT BUILT. PAYMENT FOR THIS OPERATION SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT PAVEMENT ITEMS.

310 UNDER APPROACH SLABS

THE AREA BETWEEN THE SURFACE OF THE SUBGRADE AND THE BOTTOM OF THE APPROACH SLAB SHALL BE BACKFILLED WITH 6" OF ITEM 310 SUBBASE.

DUST CONTROL

THE FOLLOWING QUANTITIES ARE ADDED FOR DUST CONTROL TO BE USED AS DIRECTED BY THE ENGINEER.

		F FUNDS	BRF FUNDS
ITEM 616	WATER	40 M. GAL.	60 M. GAL.
ITEM 616	CALCIUM CHLORIDE	4 TONS	6 TONS

ENVIRONMENTAL CONTROL MEASURES

DURING CONSTRUCTION, EFFORTS SHALL BE MADE TO MINIMIZE SEDIMENTATION OF THE RIVER, ELIMINATE ANY INADVERTENT OR INTENTIONAL DISCHARGE OF CONSTRUCTION MATERIALS INTO THE RIVER AND CONTROL DUST CAUSED BY CONSTRUCTION EQUIPMENT. ANY OF THE UNSUITABLE MATERIAL PRESENT IN THE LANDFILL WHICH MIGHT NECESSARILY BE REMOVED SHALL NOT BE DEPOSITED ELSEWHERE ON THE RIVER'S FLOOD PLAIN. THE CONTRACTOR SHALL BE REQUIRED TO EXERCISE OPTIMUM PREVENTIVE MEASURES DURING ALL CONSTRUCTION PHASES TO PRECLUDE UNNECESSARY DESTRUCTION OF THE BIOLOGICAL LIFE OR SCENIC QUALITIES OF THE CHAGRIN RIVER VALLEY. CONSTRUCTION FORCES SHALL BE REQUIRED TO ADHERE TO STATE AND LOCAL CRITERIA GOVERNING THE OPEN BURNING OF BRUSH AND CONSTRUCTION MATERIALS. RESTORATION OF ALL AFFECTED AREAS AT OR NEAR THE CONSTRUCTION SITE SHALL BE COMPLETED AFTER THE CONSTRUCTION HAS ENDED AND SHALL INCLUDE CLEANUP, SHAPING, REPLACING OF TOPSOIL, AND ESTABLISHING VEGETATIVE COVER BY SEEDING AND MULCHING OR OTHER APPROVED METHODS. ANY BORROW PITS THAT MIGHT NECESSARILY BE EXCAVATED SHALL BE CAREFULLY PLANNED FOR BOTH LOCATION AND REHABILITATION AFTER USE. THE OHIO DEPARTMENT OF TRANSPORTATION SHALL APPROVE THE LOCATION OF ANY SUCH BORROW PIT PRIOR TO ITS EXCAVATION TO INSURE THAT THE SITE CHOSEN AFFORDS MINIMAL HARMFUL EFFECTS TO THE NATURAL ENVIRONMENT.

THE MATERIAL USED FOR THE TEMPORARY CROSSING TO CONSTRUCT THE CENTER PIER, SHALL BE A WASHED ROCK OR A CLEAN NONERODABLE MATERIAL WITH PROVISIONS FOR STREAM FLOW. THE DURATION OF THE TEMPORARY CROSSING SHALL NOT EXCEED SIX (6) MONTHS AND SHALL BE COMPLETELY REMOVED FROM THE SITE AFTER THE PIER HAS BEEN CONSTRUCTED.

THE CONSTRUCTION OF THE NEW STRUCTURE WILL BE ACCOMPLISHED USING COFFERDAMS OF A NON-ERODABLE MATERIAL, SUCH AS SHEET PILING, CONCRETE CRIBS OR TIMBER CRIB PILING. CLEAN FILL OF A NON-ERODABLE MATERIAL WILL BE USED TO FILL AROUND PIER FOOTINGS TO THE EXISTING GROUND LEVEL WITHIN THE COFFERDAM. UPON COMPLETION OF THE CONSTRUCTION OF THE PIER, THE COFFERDAM AND ALL FILL MATERIAL WILL BE COMPLETELY REMOVED FROM THE SITE.

ENVIRONMENTAL CONTROL MEASURES (CONTINUED)

EXISTING UNSUITABLE MATERIALS AND DEBRIS WILL BE DISPOSED OF AT A SITE WHICH HAS PRIOR APPROVAL OF THE LOCAL AUTHORITIES AND THE OHIO DEPARTMENT OF TRANSPORTATION. THE SITE WILL NOT INVOLVE ENVIRONMENTAL WET LANDS AND MEASURES WILL BE TAKEN TO MINIMIZE POLLUTION TO SURROUNDING AREAS IN ACCORDANCE WITH ODOT SPECIFICATIONS AND PLAN NOTES.

THE COST FOR OBTAINING BORROW AND WASTE SITE APPROVALS AND THE COST FOR THE ABOVE VARIOUS ENVIRONMENTAL CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS 203 EMBANKMENT

ITEM 202 WEARING COURSE REMOVED

THE CONTRACTOR SHALL REMOVE PORTIONS OF THE EXISTING PAVEMENT ON THE SALVAGE SECTION THAT IS CONSIDERED DETERIORATED BY THE ENGINEER. THIS SHALL BE ACCOMPLISHED PRIOR TO THE OVERLAYMENT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 202	WEARING COURSE REMOVED	100 S.Y.
ITEM 402	ASPHALT CONCRETE AC-20	6 C.Y.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

ITEM 614 MAINTAINING TRAFFIC

U.S. ROUTE 20 HAS BEEN CLOSED TO ALL TRAFFIC AT THE RIVER CROSSING. A DETOUR HAS BEEN ESTABLISHED FOR U.S. ROUTE 20, THROUGH TRAFFIC AND LOCAL TRAFFIC AS DELINEATED ON SHEET 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN TWO-WAY TRAFFIC THROUGH THE CONSTRUCTION AREA, WITH APPROVED BARRICADES AND WARNING LIGHTS AT LOCATIONS APPROVED BY THE ENGINEER. STATE PERSONNEL WILL MAINTAIN TWO-WAY TRAFFIC ON THE EXISTING DETOUR, AS SHOWN ON SHEET 2, OUTSIDE THE CONSTRUCTION AREA.

TWO-WAY TRAFFIC SHALL BE MAINTAINED ON ERIE STREET, ELM STREET, AND VINE STREET, DURING TRENCHING OPERATIONS. TRENCH EXCAVATION FOR BASE WIDENING SHALL BE PERFORMED ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS, OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND THE EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

TWO-WAY TRAFFIC SHALL BE MAINTAINED, ON ERIE STREET AND VINE STREET AT ALL TIMES DURING PAVING OPERATIONS, EXCEPT WHERE ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS, FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES AND AT WHICH TIME ELM STREET SHALL BE CLOSED TO TRAFFIC FOR A PERIOD NOT TO EXCEED TWO (2) CONSECUTIVE CALENDAR DAYS.

ITEM 614 MAINTAINING TRAFFIC (CONTINUED)

THE CONSTRUCTION SEQUENCE SHALL BE SUCH THAT THE EMBANKMENT CONSTRUCTION ON U.S. ROUTE 20 IS PERFORMED PRIOR TO ANY PAVING CONSTRUCTION ON ERIE, ELM AND VINE STREETS.

THE TRAFFIC CONTROL PLANS PROVIDE FOR THE EXISTING CONTROLLER TO BE RELOCATED AND RECONNECTED. THE NEW POLES AND SIGNAL HEADS ARE TO BE ERECTED PRIOR TO DISCONNECTING THE EXISTING SIGNAL AND RECONNECTING THE CONTROLLER. DURING THE PERIOD WHEN THE NEW AND EXISTING SIGNALS ARE NOT WORKING, THE INTERSECTION SHALL BE MAINTAINED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER. ROADWAY WORK IN THE NORTHWEST AND SOUTHEAST QUADRANTS OF THE INTERSECTION CANNOT BE INITIATED UNTIL THE EXISTING SIGNAL IS DISCONNECTED AND THE NEW SIGNAL IS PLACED IN OPERATION. THIS WILL REQUIRE FIXED TIMING OF THE SIGNAL UNTIL THE REMAINING PARTS OF THE SIGNAL SYSTEM ARE COMPLETED AND CONNECTED.

DURING CONSTRUCTION OF NEW PAVEMENT ON A ROADWAY, 4 INCH LANE LINES AND/OR CENTER LINES SHALL BE MAINTAINED AFTER THE VARIOUS PAVEMENT COURSES HAVE BEEN APPLIED. TEMPORARY PAVEMENT MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH ITEM 847 WITHIN 24 HOURS OF ANY RECONSTRUCTED SECTION OF ROADWAY PAVEMENT. ON THE FINAL COURSE WHERE TRAFFIC IS TO BE MAINTAINED, IN A PATTERN OTHER THAN THE FINAL TRAFFIC PATTERN, TRAFFIC SHALL BE MAINTAINED AS PER 847.10 AND 847.12 OF THE SPECIFICATIONS.

ESTIMATED QUANTITIES AS SHOWN BELOW UNDER "ITEM 847 TEMPORARY PAVEMENT MARKING, 4 INCH LANE LINE", "ITEM 847 TEMPORARY PAVEMENT MARKING, CENTER LINE",

HAVE BEEN PROVIDED FOR IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER. ITEM 410 TRAFFIC COMPACTED SURFACE, TYPE C", ITEM 616 CALCIUM CHLORIDE, ITEM 616 WATER HAVE ALSO BEEN PROVIDED FOR IN THE GENERAL SUMMARY, AS SHOWN BELOW TO COMPLETE THE CONNECTIONS BETWEEN THE EXISTING PAVEMENT AND PROPOSED PAVEMENT IN ORDER TO MAINTAIN TWO-WAY TRAFFIC.

THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, PART 7 SHALL GOVERN THE TRAFFIC CONTROL DEVICES AND OPERATIONS FOR MAINTENANCE OF TRAFFIC. TRAFFIC SHALL BE MAINTAINED ON VINE ST. AND ERIE ST. BETWEEN STATION 97+00 AND STATION 103+00 IN ACCORDANCE WITH DETAIL II ON SHEET NO. 9. TRAFFIC ON ERIE ST. BETWEEN STATION 103+00 AND STATION 106+00 SHALL BE MAINTAINED IN ACCORDANCE WITH DETAIL I ON SHEET NO. 9.

THE FOLLOWING QUANTITIES SHALL BE USED TO PERFORM THE ABOVE SPECIFIED ITEMS AS DIRECTED BY THE ENGINEER.

		F FUNDS
ITEM 410	410 TRAFFIC COMPACTED SURFACING TYPE C	50 C.Y.
ITEM 616	CALCIUM CHLORIDE	1 TON
ITEM 616	WATER	1 M. GAL.
ITEM 847	TEMPORARY PAVEMENT MARKING, 4" LANE LINE	6280 L. F.
ITEM 614	MAINTAINING TRAFFIC	LUMP
ITEM 847	TEMPORARY PAVEMENT MARKING, CENTERLINE	2640 L.F.