

VIRGINIA: AT THE CONTINUATION MEETING OF THE DINWIDDIE COUNTY BOARD OF SUPERVISORS HELD IN THE MULTI-PURPOSE ROOM OF THE PAMPLIN ADMINISTRATION BUILDING IN DINWIDDIE COUNTY, VIRGINIA, ON THE 25th DAY OF FEBRUARY, 2003, AT 3:00 P.M.

PRESENT:	ROBERT L. BOWMAN IV - CHAIR	ELECTION DISTRICT #3
	DONALD L. HARAWAY - VICE CHAIR	ELECTION DISTRICT #2
	HARRISON A. MOODY	ELECTION DISTRICT #1
	EDWARD A. BRACEY, JR.,	ELECTION DISTRICT #4
	AUBREY S. CLAY	ELECTION DISTRICT #5

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Mr. Robert Bowman, IV, Chairman, called the continuation meeting to order at 3:06 P.M.

IN RE: EMS RECOMMENDATIONS/CIP ITEMS

Mr. David Jolly, Public Safety Director, stated he ran the number of calls again and the northern end of the County has the largest EMS call load. Predominantly most of the calls are run along the I-85/Route 460 corridor area. With that being the case, he recommended placing the 2nd EMS unit at Namozine Station with one caveat that initially the new EMS employees be stationed at the Dinwiddie EMS for a period of time for two basic reasons. First of all, for precept and training before turning them loose in our system; and secondly, the Namozine Station currently only has the ability to sleep 4-people in code approved areas of the building. A couple of years ago, they elected at the Station to start sleeping folks and they got to the point that they were sleeping more than 4 so they added some beds to the second floor of the building. The second floor area does not meet code requirements to have a dormitory or sleeping area in the building. A request was put in the CIP for \$164,000 for an addition to the left-hand side of the Namozine Station to handle 12 additional folks. The addition would be approximately 30' X 65' which would house the bunking facilities and bathrooms that are needed to facilitate the volunteers and paid staff.

Staff also evaluated the Ford VFD. They have asked for an addition for some of the same reasons and to include storage and classroom space. Mr. Jolly commented his concern with using Ford at this time is that the majority of the call load is to the East of them. Even though Ford is closer to Route 460. Namozine is a lot closer for getting to the Route 1/I-85 corridor to transfer North and South should the Dinwiddie Unit be tied up on a call. Typically, coming from Ford they could use Courthouse Road for East - West access; however, during bad weather VDOT does not always get it cleared. VDOT does an excellent job in clearing Route 460 and I-85 and that was a determining factor. He recommended moving forward with the addition at the Namozine Station and placing the second 24-hour unit at that facility. Namozine did request that unit to assist them in their staffing concerns and getting their volunteers trained as well.

There was a considerable amount of discussion regarding the percentage of calls, where the majority of calls are made, full time and part-time EMS personnel, locating another station at the airport, and the cost of relocating Namozine.

The County Administrator stated, if what I am hearing is correct, you are saying, if the population continues to grow at the present rate in the County it is probable that there will be a need for another fire station at some point. She asked Mr. Jolly if the airport was the location he was referring to. He replied yes. But it would not replace Namozine.

The County Administrator requested authorization to place the 2nd unit at Namozine and to move forward with the development of the plans for the addition.

Mr. Bracey asked if the project was in the CIP for the present year. Mr. Jolly responded yes.

Upon Motion of Mr. Haraway, seconded by Mr. Moody, Mr. Bracey, Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman, voting "Aye",

BE IT RESOLVED by the Board of Supervisors of Dinwiddie County, Virginia that the Public Safety Director is authorized to place the 2nd unit at Namozine and to move forward with the development of the plans for the addition at the Namozine Volunteer Fire Station.

Mr. Bracey commented we need to know well in advance what architectural firm we are going use. It should be a local firm so there won't be any travel expenses. The County needs to be careful not to include any frills for this project.

**IN RE: AUTHORIZATION TO PURCHASE VEHICLE
EXTRICATION EQUIPMENT – MCKENNEY VFD**

Mr. David Jolly stated there was some vehicle extrication equipment included in the CIP for the McKenney Fire Department. The new unit, which has been put into service, was designed around that equipment but the project has not been bid yet. The cost should be around \$16,000. He requested authorization to advertise for bids and bring them back to the Board for approval.

Upon Motion of Mr. Clay, Seconded by Mr. Bracey, Mr. Bracey, Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman, voting "Aye",

BE IT RESOLVED by the Board of Supervisors of Dinwiddie County, Virginia that Administration is authorized to advertise for bids for the extrication equipment for the McKenney Volunteer Fire Department Unit.

IN RE: REQUEST TO PURCHASE TURN-OUT GEAR

Mr. David Jolly stated the last item he had was the structural firefighting gear that all of the volunteers use. At the fire/rescue level probably 18-months ago the members elected to come together and design a countywide specification, not an individual department specification, in an effort to be able to bid the project out and to get standardization across the system so the departments can change the gear back and forth between stations and also have a replacement schedule for that gear. In this current year CIP there is \$35,000 for this gear. The specifications for the gear have been put together for the County Attorney's review. He requested authorization to forward the bid to the attorney and advertise for bids. He commented this is a five-year program with funding for this year being in the present CIP and all future years going back through the review process as all CIP projects do. We are going to write the contract for a 5-year period as opposed to a 1-year contract. If the funding is available we should be able to continue to purchase off the contract whether it is from the CIP or by the volunteer agencies.

Mr. Haraway asked if Mr. Jolly was talking about \$35,000 a year for 5 years? Mr. Jolly replied yes. For every volunteer in our system, roughly around 200, the County has an investment of \$1,200 in turnout gear per person.

Mr. Haraway questioned why we are doing this? Mr. Jolly explained under the present system each volunteer is outfitted per his or her individual company's requirements. If that volunteer has a large body frame and the next volunteer comes aboard and he has a small body frame then a new outfit has to be

purchased for him. What we are proposing is to have turnout gear that can be interchanged from one station to another countywide. All the gear today has the company names on the back of the gear and we can't transfer between stations. If we are allowed to proceed with standardized gear it can be transferred between stations because we will have snap on flaps for the company names and the lifecycle is typically 5 to 7 years.

Mr. Haraway stated somewhere down the road we are going to have to stop purchasing everything that comes along. He said he felt we should hold off on the request. The County Administrator asked Mr. Jolly if there was an immediate need for the gear. He replied there are 26 or 27 sets that need to be replaced. Ten sets of gear at Old Hickory are outdated and scheduled for replacement this year. Somebody is going to have to replace worn out gear this year whether it is a CIP project or something they have to fund individually. Mrs. Ralph commented you have volunteers out there that are not properly outfitted. Mr. Jolly replied some of them aren't but the volunteers don't need all 27 sets this year, but at least 10 sets will need to be replaced. The County Administrator stated if the County could get a contract over a 5-year period the gear can be replaced as needed rather than replacing all of the gear at one time.

Mr. Bowman questioned whether the money is already in the budget or if it will be coming in from the State. The County Administrator replied neither, it is in the CIP not the budget and it will not be coming from the State. The money is already available. Mr. Jolly expressed his concern regarding not being able to get bids out for the contract. He stated he was not asking to spend the money today he just wanted to get the bidding process over.

Mr. Bracey commented he hoped the County is expanding or preparing to expand for the new employees for the fire department. He would hate to wait until the last minute and not have the people we need to do the job.

Mr. Moody stated every year the County spends more and more money on Public Safety. He said he wondered if we will ever catch up. He stated he wanted to do what is right but it is hard to do.

It was the concurrence of the Board that we should wait until the budget process is further along before making a decision on this project.

The County Administrator informed the Board that the resolution that sets out the response time and service areas for the County under the new EMS regulations is on target for adoption at the March 4th meeting.

IN RE: UPDATE ON STATE BUDGET CUTS

The County Administrator commented the General Assembly has finished the budget. We will have to get some final numbers but it appears that the County has fared a lot better than other localities.

The constitutional officers, commissioner of revenue, treasurer, and the circuit court clerks, budgets were cut 11%. The commonwealth's attorney came out with a 7% cut this year and a 5% cut next year. The sheriff did not get cut directly for law enforcement personnel but the jail reimbursement will be cut 5% this year and next year. With State mandates for the jail, the sheriff will probably have to cut a vehicle out of his budget.

The salary issues the Assembly has offered up is a 2.25% increase for state employees, state reported employees, and teachers effective January 1, 2004 and is contingent on an improved economy. She stated the School Board would have to budget for the raises and if it didn't go through then they would have to take them out or find the money somewhere in their budget. As you know, the state only funds the salaries of teachers it deems necessary to meet

the Standards of Quality. At this point we do not have a budget from the school board, so we can't tell what kind of an effect it will have on the County.

**IN RE: AUTHORIZATION TO INCREASE SECURITY WORK
FEES FOR DEPUTIES**

The County Administrator stated there are some fees we assess for county deputies who do security work in the County. The County presently charges \$26 per hour, which is not covering the expenses of overtime rates for the deputies. Staff is proposing that the rate be increased to \$30 per hour.

Mrs. Glenice Townsend, Chief, Director of Administrative and Community Services, explained that she compiled the salaries of all the deputies involved in the security work and divided it by the number of personnel and came up with an average of \$27.12 per hour. She then added the cost of the use of the vehicles and uniforms and \$30 would cover the County's expenses.

Mr. Bowman asked if there is a requirement in the County ordinance mandating that the security officers have to be county deputies? Mrs. Ralph stated the ordinance states the sheriff's department must approve the number of security officers but she didn't think it specified that they have to be county deputies. Mr. Haraway commented that the special entertainment permit should be changed to reflect that persons may hire their own outside security personnel for these events. People are being taken advantage of and it should be changed.

Mrs. Ralph stated the County has to pay the deputies when they work and requested authorization to increase the fee to \$30 per hour when they do security work.

Upon Motion of Mr. Moody, Seconded by Mr. Bracey, Mr. Bracey, Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman, voting "Aye", the Board approved the increased fee to \$30 per hour for county deputies used for off-duty security.

The Board instructed Staff to change the special entertainment permits to reflect that security personnel can be used instead of county deputies for special events.

The County Administrator commented that the Animal Control Officer had some proposed fees for their department also. She will be at the next meeting to go over those with the Board.

IN RE: DISCUSSION OF BUDGET ISSUES

The County Administrator proposed a 2.5% cost of living pay increase for the county employees in the 2003-04 budget if we have the money.

If the economic picture improves State supported employees should receive a 2.25% pay increase in January. But it is possible they won't get anything. Before we knew that was going to happen, Mrs. Townsend worked up a proposal to provide the state supported employees who are in the offices of the constitutional officer's a onetime bonus. The recommendation that we have for them is a onetime bonus that is not part of the salary structure.

Mrs. Townsend told the Board that some of the constitutional officers have approached Staff to see if they can place their employees under the County's personnel policy. The Treasurer will go over this request with the Board. Mrs. Townsend explained the process she used to come up with the bonus of \$350 per state supported employee including the Sheriff's department which would cost the County approximately \$23,800. They would still get the 2.25% increase from the State in January also. Mrs. Townsend stated she wanted to know how the Board felt about the proposal. She stated her concern was that these people

are saying the County employees are getting raises and they aren't getting anything. She said that they really are County employees and the State only reimburses us.

Mr. Bracey and Mr. Clay expressed their concerns about raises given to State supported staff by the State and the County employees not receiving one. Several years ago the State gave a large increase and the County employees didn't get anywhere near the one they received.

Mr. Haraway asked Mrs. Townsend over the past 10 years would the raises the state supported employees got be greater or less than what County employees have received. Mrs. Townsend replied she thought it would be pretty much the same considering the increase the Board gave it's employees last year. Mr. Haraway stated you couldn't look at it over a 2 or 3 year basis; it needs to be looked at over a longer period of time. If they were receiving less than our employees and we aren't looking at a large sum of money and it keeps morale up he would not be opposed to the bonus. The County Administrator reminded the Board that the 2.25% from the State is based on the revenue projection. They may end up not getting anything again.

Mrs. Townsend requested authorization to go through the process to see what the projections might be for the budget.

Mr. Moody stated he was not in favor of picking up any state mandates but he felt Administration should look at this. The County Administrator stated the Constitutional Officers do want the opportunity to present this information to the Board.

Mr. Haraway commented it is unusual for Administrative Staff to bring an issue before the Board if they don't feel there is a potential problem. If the employees continue not to be compensated for the work they are doing they might leave and the County would lose some good people. Mr. Haraway stated the Board should to take a look at this. He said he felt everyone deserved the 2½% increase in his or her salary.

HEALTH INSURANCE INCREASE

The Chief, Director of Administrative and Community Services stated there is a 14% increase in the cost of health insurance this year and we will have only 2 Anthem plans to offer to employees. The County is required by Local Choice to pay 80% of the employee's premium and 20% of the dependant's premium, which will cost the County \$69,372 for 109 participants. The cost for a family is now \$867 a year for health insurance. The County's portion is \$257 per employee and \$321 for spouse/child. She commented the thought process is that the raise will help the employees with their increased health insurance costs.

BOARD OF SUPERVISORS SALARY INCREASE

The County Administrator informed the Board that July 1, 2003 is the deadline for them to do anything about an increase in their salaries. During an election year for the Board there is no limit on the amount you may increase your salary. If you choose to increase it any other year it must be done by an Ordinance and you are required to have a public hearing. The effective date is January 1, 2004.

Mr. Bowman requested that Staff check to see what the other localities pay their supervisors. Mr. Haraway asked Mrs. Townsend to do an analysis to see what it would be if they got the same increase the employees got over the past 4 years.

POSITION - GRANT WRITER

The County Administrator stated it becomes more and more apparent that the County needs a grant writer. The County is losing out on grants as we speak; but it is a situation where you have to have someone to administer the grant as well as get them. She distributed copies of a job description for the grant writer. There will need to be a base salary for the position. She asked the Board to allow Administration to work this position into the budget to start the process. The Board concurred.

VOLUNTEERS TO MAN HISTORIC COURTHOUSE

The County Administrator requested authorization to allow volunteers from the Dinwiddie Historical Society to open the Historic Courthouse for the public. She told the Board that this appears to be the only way we could get someone in there to keep the building open without paying for personnel. Continuing she said she told Mrs. Betty Bowen she would let her know something today. They may want to hook up a telephone but it shouldn't be much more than that. The Board agreed to allow the Historical Society to solicit volunteers to set up in the Courthouse.

REQUEST FOR A LETTER OF SUPPORT FOR PAMPLIN PARK

The Assistant County Administrator stated Mr. Bowman and Mrs. Ralph were asked to write a letter of recommendation for Pamplin Park and before we did anything we wanted to make sure it was okay with the Board. Pamplin Park is being considered for two awards. They are from the American Association for State and Local History, which is an annual award program, and the National Trust for Historic Preservation, for preservation of battlefields, for historic sites and education. He asked the Board if they had any problem with Administration writing the letters of recommendation. The Board members had no objections.

DATES TO MEET FOR BUDGET DISCUSSIONS

The County Administrator asked the Board if they would be willing to come in at 3:00 P.M. on Tuesday March 4, 2003 to meet with the Constitutional Officers to go over their budgets and continue to work on the FY 2003-04 budget. The Board agreed.

IN RE: CLOSED SESSION

Mr. Bracey stated I move to close this meeting in order to discuss matters exempt under section:

Prospective Industry - §2.2-3711 A. 5 of the Code of Virginia

Mr. Moody seconded the motion. Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman, Mr. Bracey, voting "Aye", the Board moved into the Closed Meeting at 4:41 P.M.

A vote having been made and approved the meeting reconvened into Open Session at 5:25 P.M.

IN RE: CERTIFICATION

Whereas, this Board convened in a closed meeting under §2.2-3711 A. 5 - Prospective Industry;

And whereas, no member has made a statement that there was a departure from the lawful purpose of such closed meeting or the matters identified in the motion were discussed.

Now be it certified, that only those matters as were identified in the motion were heard, discussed or considered in the meeting.

Upon Motion of Mr. Clay, Seconded by Mr. Bowman, Mr. Bracey, Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman, voting "Aye", this Certification Resolution was adopted.

IN RE: RECESS

The Board recessed for dinner at 5:26 P.M. The meeting was moved to the Dinwiddie Elementary School for the second workshop for the technical presentations by consultants for Tidewater Quarries, Inc.

**IN RE: BOARD OF SUPERVISORS/PLANNING COMMISSION
JOINT MEETING FOR THE TECHNICAL
PRESENTATIONS BY CONSULTANTS – TIDEWATER
QUARRIES, INC.**

Mr. Dean McCray, Chairman, Dinwiddie County Planning Commission, called the Planning Commission meeting to order at 6:41 P.M.

Mr. Robert Bowman, IV, Chairman, reconvened the Board of Supervisors meeting at 6:42 P.M.

Mrs. Wendy Weber Ralph, County Administrator, welcomed everyone to the second workshop to be held on the conditional use permit application for Tidewater Quarries, Inc. This is a joint meeting between the Board of supervisors and the Planning Commission to hear the presentation of several studies prepared by Tidewater's consultants who are here tonight. Each topic will be presented and will be followed by questions from the Planning Commissioners, questions from the Board of Supervisors, and questions from the public. This format will be followed for each topic presented. The applicant has the opportunity to answer a question tonight or respond at the public hearing. But we will ask that all questions be answered.

As shown on the agenda, the public will have an opportunity to ask questions on each topic following the Planning Commission and Board of Supervisors. She stated when you come to the podium; identify yourself by stating your name and address. To help facilitate this process and insure that we have all your names and addresses, we would ask that you sign in at our front table after you speak. If you would like to, we also have forms available to write down your questions under the particular topic you are addressing and leave the form with us when you leave tonight.

We have several studies to cover tonight and we want to make sure that everyone has an opportunity to speak. We ask, therefore, that you respect the right of everyone present and help us facilitate this meeting. We are paying for the meeting to be professionally recorded and it is very important that you limit your comments and remarks to the time when you have the floor to speak.

Economic Impact Presentation

Mr. Roy L. Pearson, School of Business, College of William and Mary, presented the Economic Impacts of the proposed Quarry on the County.

Dinwiddie County

Economic Impacts of a Proposed Quarry, Concrete Plant, and Asphalt Plant

Roy L. Pearson
School of Business
College of William and Mary
February 25, 2003

roy.pearson@business.wm.edu

Indirect: Sales, payroll, and jobs supported by Dinwiddie County suppliers of TQOI and its subcontractors

Induced: Local spending, primarily by households, of the earnings produced by the direct and indirect impacts

Time frames and units

- ◇ The quarry will not be at full operation until 5 years after startup
 - The impact that counts: 5 years and beyond
- ◇ The concrete plant will not be at full operation until 6 years after quarry startup
- ◇ The asphalt plant will not be at full operation until 6 years after quarry startup
- ◇ All impact \$ amounts are at 2001 price levels

Quarry Year 5 Impacts

<u>Quarry Year 5 Impacts</u>					Ratio, Total/ Direct
	<u>Direct</u> <u>(Col. 1)</u>	<u>Indirect</u> <u>(Col. 2)</u>	<u>Induced</u> <u>(Col. 3)</u>	<u>Total</u> <u>(Col. 4)</u>	<u>(Col.5)</u>
Sales	\$10,080,000	\$1,809,760	\$1,496,172	\$13,385,932	1.33
Wages & Salaries	\$1,716,000	\$770,147	\$610,998	\$3,097,145	1.80
Jobs	47	22	23	92	1.98
County Sales per Direct Job					\$287,018

Concrete plant 6th year impacts

<u>Concrete Plant Year 6 Impacts</u>					Ratio, Total/ Direct
	Direct (Col. 1)	Indirect (Col. 2)	Induced (Col. 3)	Total (Col. 4)	(Col.5)
Sales	\$2,340,000	\$626,899	\$478,557	\$3,445,456	1.47
Wages & Salaries	\$406,757	\$159,659	\$106,218	\$672,633	1.65
Jobs	12	5.2	4.2	21.4	1.78
County Sales per Direct Job					\$287,121

Asphalt Plant Year 6 Impacts

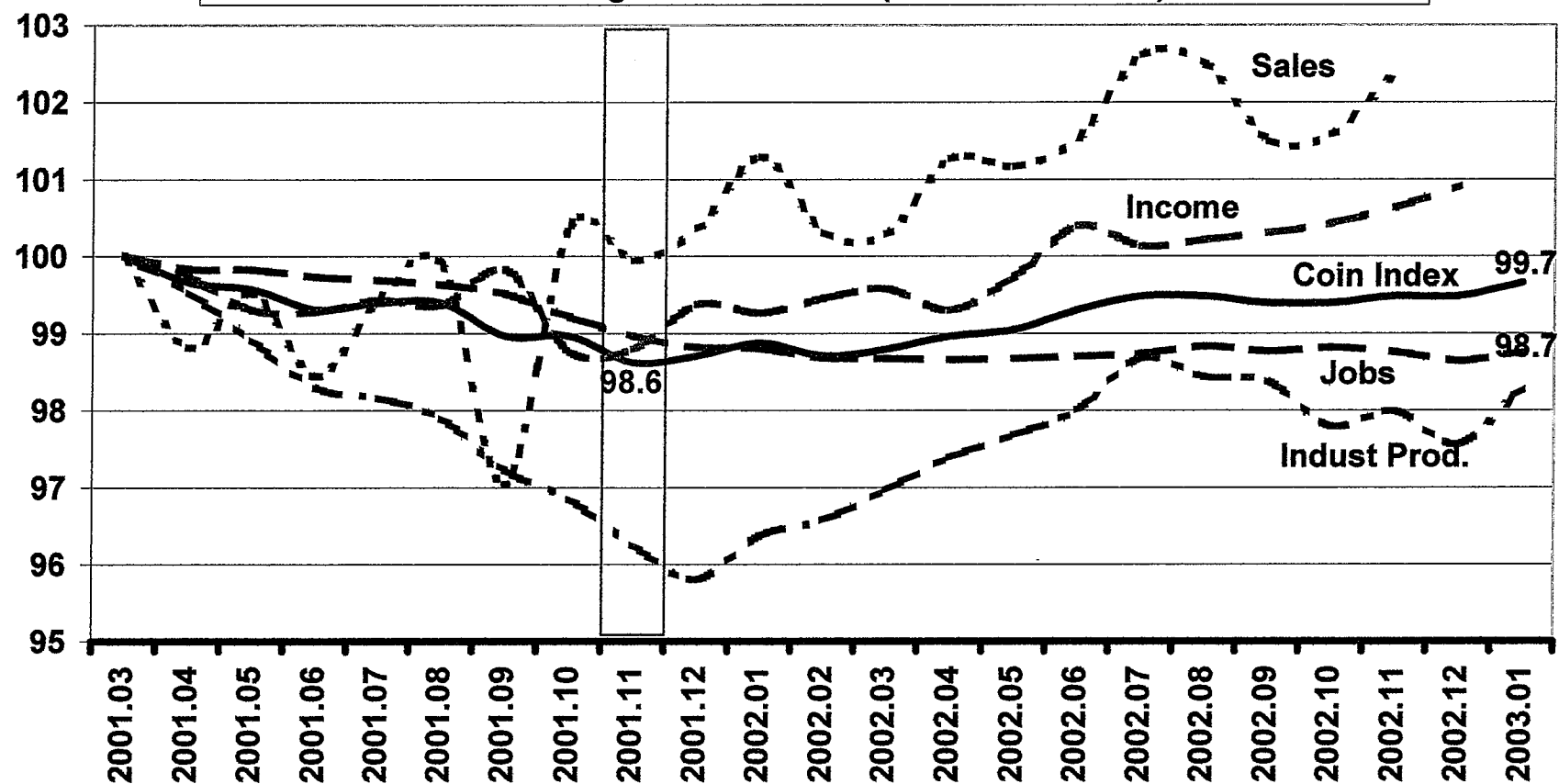
<u>Asphalt Plant Year 6 Impacts</u>					Ratio, Total/ Direct (Col.5)
	Direct (Col. 1)	Indirect (Col. 2)	Induced (Col. 3)	Total (Col. 4)	
Sales	\$1,645,000	\$360,544	\$217,590	\$2,223,134	1.35
Wages & Salaries	\$75,490	\$54,374	\$25,434	\$155,298	2.06
Jobs	2	1.7	1	4.7	2.33
County Sales per Direct Job					\$1,111,567

County value added

- ◇ The quarry operation uses natural resources of the County, supported by other local businesses, generating employment for local residents.
 - Means County impacts above average for businesses locating in a county of this size.
- ◇ The concrete and asphalt plants are capital-intensive manufacturing operations using the quarry stone as an input in producing higher-value products.
- ◇ These plants build on the quarry base, pulling quarry customer sales, payroll, and jobs inside Dinwiddie County.

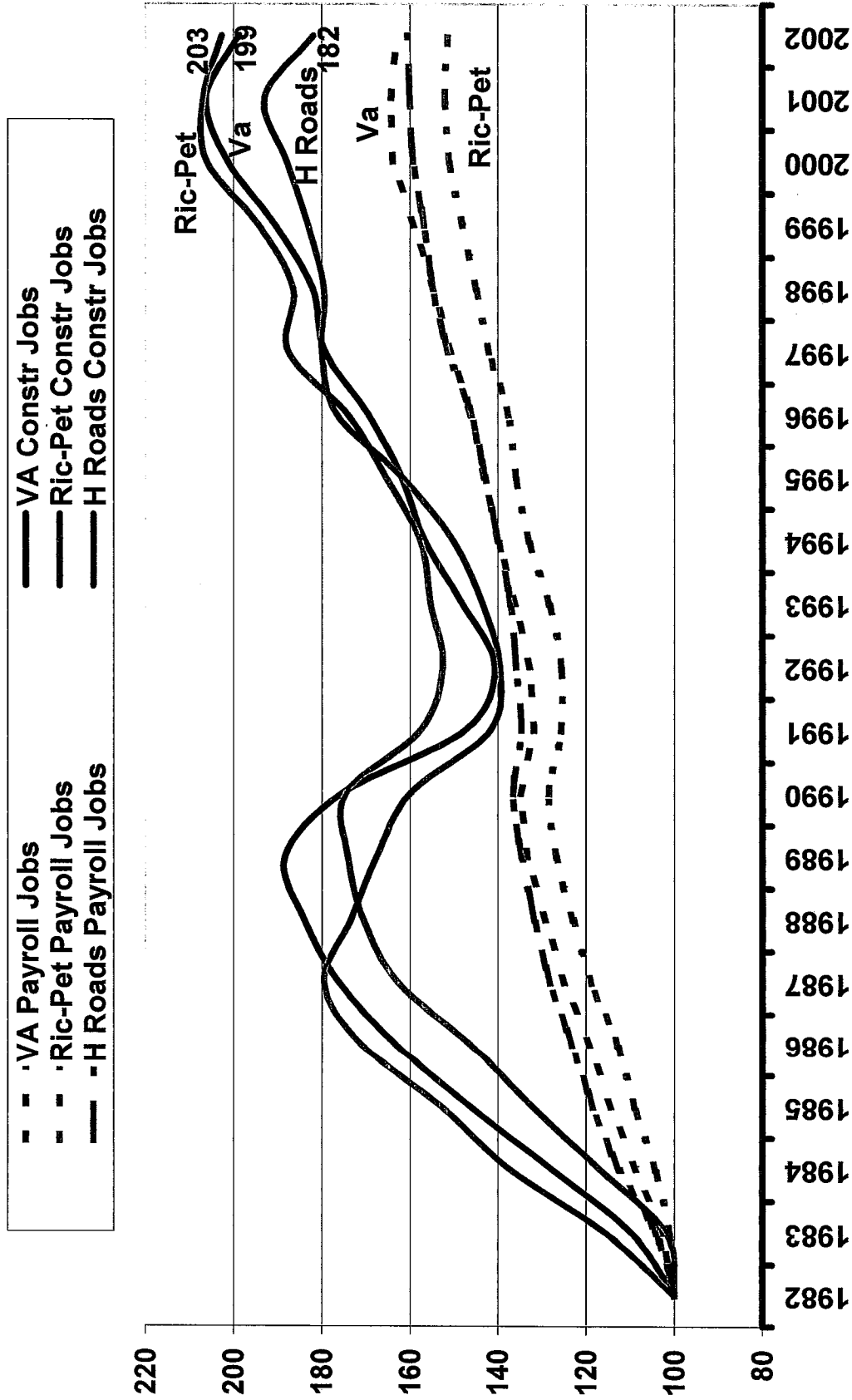
U.S. Coincident Index & Components, March 2001 = 100

- Coincident index
- - Employees on nonagricultural payrolls (thous.)
- - Personal income less transfer payments (AR, Chain 1996 \$)
- - Index of industrial production (1992=100)
- - Manufacturing and trade sales (mil. Chain 1996 \$)



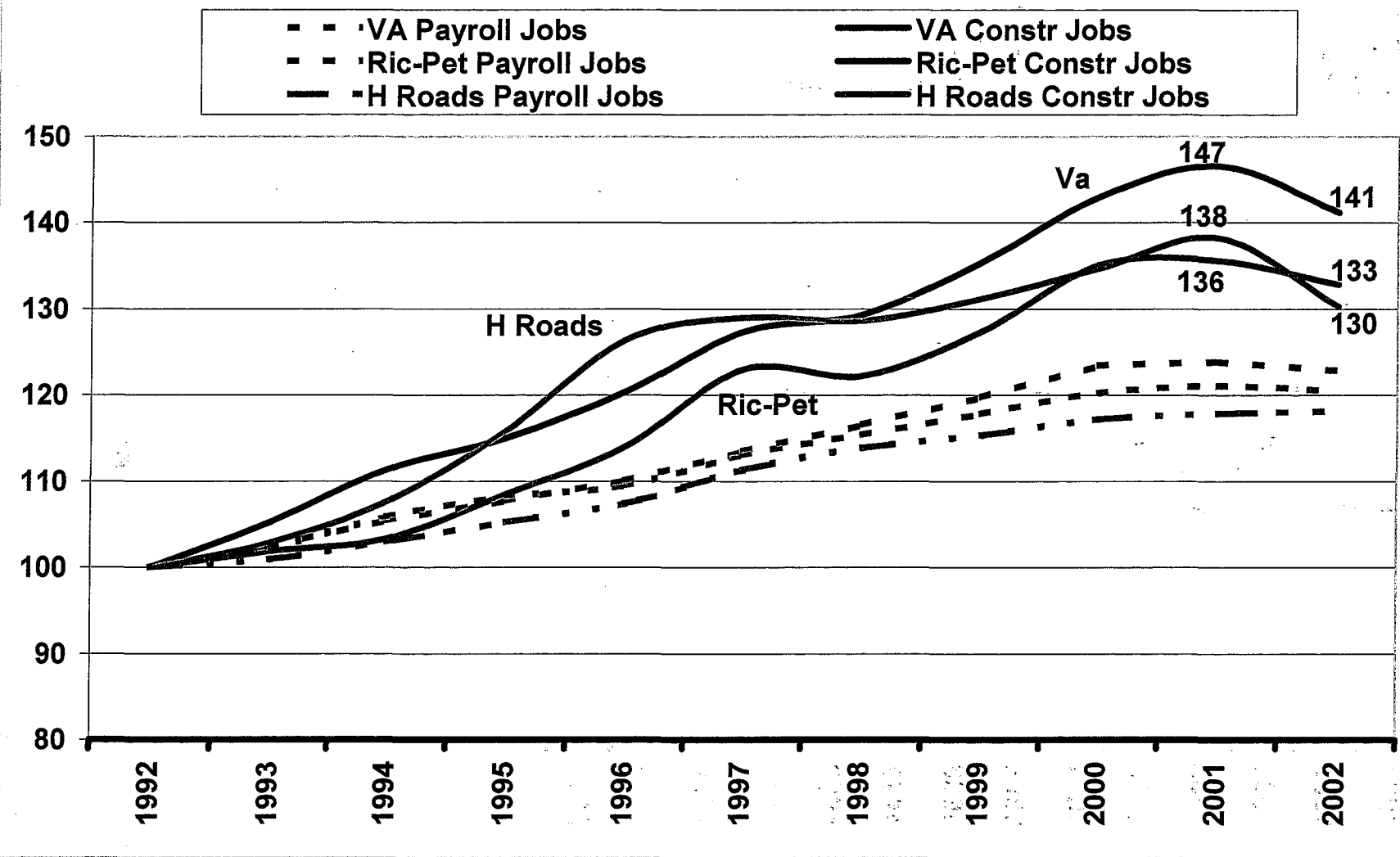
Area's construction jobs still twice 1982

Total Payroll Jobs and Construction Jobs, 1982 = 100



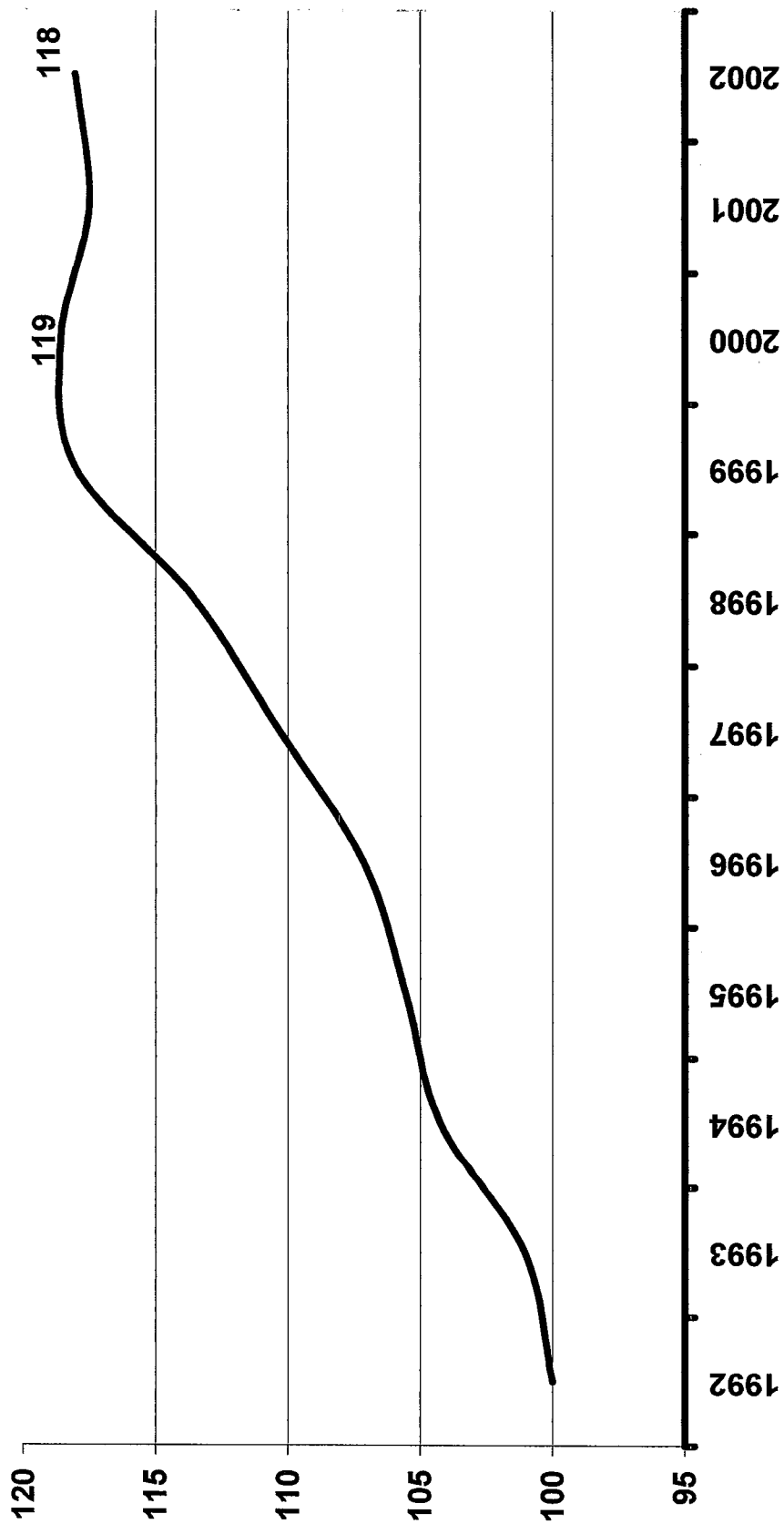
Area construction jobs and payroll jobs 1992-2002

Total Payroll Jobs and Construction Jobs, 1992 = 100



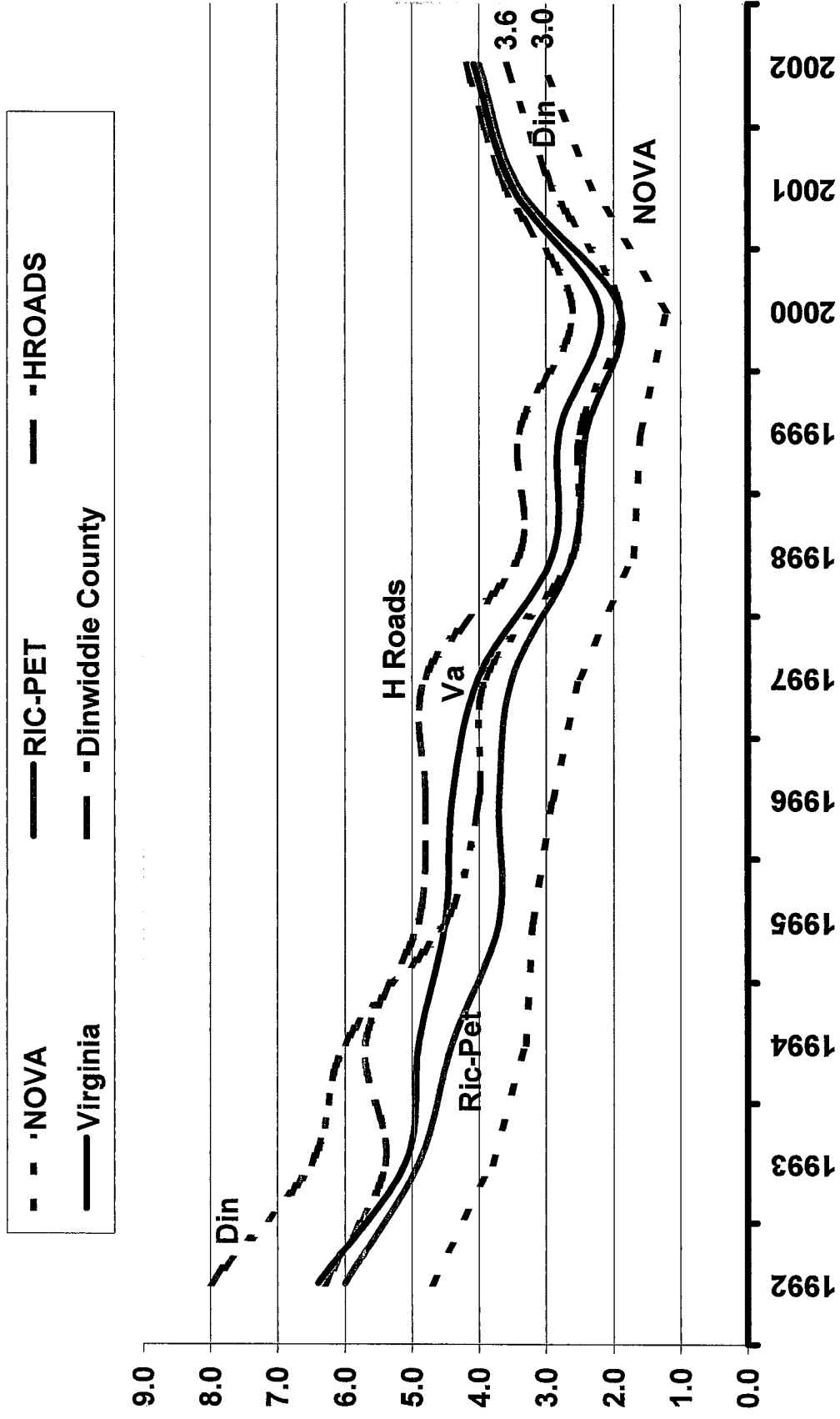
U.S. quarry jobs still 18% above '92

U.S. Payroll Jobs, Crushed and Broken Stone, 1992 = 100



Dinwiddie 2002 unemployment: 3.6%

Resident Unemployment Rates 1992 to 2002



His presentation was followed by questions from the Planning Commissioners and Board of Supervisors.

IN RE: RESTRICTION OF QUESTIONS & COMMENTS TO A 3-MINUTE TIME LIMIT

Upon Motion of Mr. Titmus, Seconded by Mr. Lee, Mr. Titmus, Mrs. Stewart, Mr. Lee, Mr. Perkinson, Mr. Moody, Mr. McCray, voting "Aye", a 3-minute time limit was placed on persons wishing to ask questions or make comments to the Consultants, the Planning Commissioners and the Board of Supervisors.

IN RE: RECESS

Mr. Dean McCray called a recess at 8:03 P.M. The meeting reconvened at 8:13 P.M.

Archaeological Assessment Presentation

Mr. Brad McDonald, Staff Archaeologist and Research, Cultural Resources, Inc., presented the Archaeological Assessment of the property for the proposed quarry. He commented the goal of this project was to provide information on the historic background and current condition of the project area, as well as to assess the potential for the presence of archaeological resources and to identify any potentially significant archaeological resources within the project area.

"Background research and field reconnaissance of the 341-acre proposed Greenfield Quarry Facility indicates that approximately 33% of the property has low potential for the presence of archaeological sites, 31% has high potential, and approximately 27% has moderate potential. The remaining 9% of the project area consists of 27 acres of disturbed ground and 3.0 acres of earthworks.

Small prehistoric campsites may be present, probably related to the Archaic, as well as larger and more extensive sites dating to the eighteenth and nineteenth centuries. Evidence of Civil War activity, in the form of a major Confederate earthwork, is already documented on the property. Documentary sources indicate that no direct combat took place on the project area. During the Battle of Armstrong's Mill/Hatcher's Run, Confederate forces outside the project area, south of Clements farmstead. The likelihood for finding artifacts on the property associated with Civil War activity is extremely low, given the marginal role the earthworks played in several of the conflicts in the area, and the popularity of hunting for Civil War activity have been picked over by relic hunters, and there is no reason to believe that the project area escaped such activity."

Mr. McDonald's presentation was followed by questions from the Planning Commissioners and Board of Supervisors.

Transport and Traffic Analysis Presentation

Mr. Chris Kiefer, Assistant Department Manager and Transportation Redesign, graduate of Notre Dame University, J.K. Timmons Group, presented the Transport and Traffic Analysis for the proposed quarry site.

"The following steps were taken to determine the transportation impacts associated with the operations of the proposed quarry and processing plant:

Data Collection – Background average daily traffic (ADT) data was obtained from the Virginia Department of Transportation's (VDOT) Petersburg

Residency. In addition, AM and PM peak directional turning movement counts were collected on May 23, 2001 at the following intersections:

Route 1 and Frontage Road
Route 1 and Route 460

Traffic Generation and Distribution – Peak hour traffic generated by the proposed site was based on data from Tidewater Quarries’ Springfield/Glen Allen plant. Daily ticket journals produced during the operation’s peak months were used to calculate hourly truck volumes over the course of a typical workday. The traffic generated by the proposed site was then distributed onto the surrounding roadway network using existing traffic movements and input from Tidewater Quarry’s operations department.

The number of truckloads averaged 370 per day;

There was no real peak hour for truck traffic; the numbers were relatively consistent, generally averaging 9 to 11% per hour throughout the workday; and

The quarry’s highest AM hour for truck traffic is 10:00 A.M. to 11:00 A.M. the highest PM hour for truck traffic is 1:00 P.M. to 2:00 P.M. These hours do not correspond with the peak hours for traffic along Route 1 – 7:15 A.M. to 8:15 A.M. and 5:00 P.M. to 6:00 P.M.

In addition to truck traffic, the quarry is expected to employ 15-20 persons. These employees are expected to arrive time between 6:00 A.M. and 7:00 A.M. The morning arrivals will occur prior to the morning peak hour of adjacent street traffic (7:15 – 8:15 A.M.) and should not impact that traffic. The evening departures will coincide with the evening peak hour (5:00 – 6:00 P.M.) and have been included in the analysis.

The estimated trip generation for the proposed facility is anticipated to be as follows:

	2002				2010			
	AM PEAK HOUR		PM PEAK HOUR		AM PEAK HOUR		PM PEAK HOUR	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Shipping (Trucks)*	7	7	0	3	31	31	0	14
Employees**	0	0	0	15	0	0	0	20
Total Site Traffic	7	7	0	18	31	31	0	34

* Only trucks exiting the site will impact the PM peak. This number is 50% of the total that entered the site between 4:00 pm and 5:00 pm.

** Employees arrive prior to AM Peak and exit the site during the PM peak

Traffic Capacity Analysis – Level of service calculation were performed at the intersection of Route 1 and Frontage Road. These calculations were made using Highway Capacity Software (HCS) 2000, a computer program based on techniques outlined in the 2000 Highway Capacity Manual, published by the Transportation research Board (TRB).

Site Analysis & Review of Proposed Improvements - A visual assessment of the existing roadway infrastructure to assess site development constraints such as: number and width of lanes, horizontal alignment, and sight distance. Proposed roadway improvements required for accommodating site –generated traffic was evaluated relative to VDOT’s Minimum Standards of Entrance to State Highways and Road Design Manual.

Access to and from the proposed quarry and processing plant site is provided via Frontage Road. Frontage Road has an existing typical section consisting of two 9' travel lanes with 6' graded shoulders. To accommodate the anticipated site traffic, recommended improvements include widening this section of two 12' lanes with 8' shoulders.

Within the project area, Route 1 currently has a three-lane roadway section with a continuous two-way-left-turn lane. In the vicinity of the project, Route 1 carries an average daily traffic of 10,000 vehicles per day and has a posted speed limit of 45 mph (it was pointed out that the speed limit up to West End Baptist Church is 55 mph).

At the intersection of Frontage Road and Route 1, sight distances were estimated to be just over 450' looking right (to the north) and 800' looking left (to the south). The sight distance measurements meet the minimum requirements for a two/three lane major road with a speed limit of 45 mph. Since the vast majority of traffic will be turning right and truck traffic in general has a higher line of sight and visibility, it was concluded that existing distance is adequate at this intersection.

At the intersection of Frontage Road and Blue Tartan Road sight distance was estimated to be approximately 250' looking left (to the south). Timmons recommended that some clearing and grading be performed on the east side of this intersection to increase that sight distance to achieve at least 400' of visibility. The improvements can be performed on existing right of way and should not require any additional right of way or easements from private property owners.

Proposed Transportation Infrastructure Improvements

Required Improvements

Widen the existing Frontage Road from the Route 1 intersection to the site to provide 24' of paved surface and improved shoulders.

Strengthen the pavement structure to carry additional loads.

Extend drainage structures, replace paved ditches and provide erosion and sediment control along disturbed areas.

Provide a right turn taper for northbound vehicles from Route 1 turning right onto Frontage Road

No additional right of way is anticipated for these improvements.

Probable Cost = \$815,000

Suggested Improvements

Southbound left turn lane improvements: Trucks turning left from Route 1 southbound onto Frontage Road will be on a slight downgrade 92.0-2.5%). To ensure that rutting does not occur in this existing turn lane, VDOT may require removal of approximately 300' of the existing asphalt pavement and replacement with grooved Portland cement concrete pavement. Although trucks making this turn should generally be unloaded, Timmons suggest adding this to the budget as a contingency. No additional right of way is anticipated for these improvements.

Probable Cost = \$ 40,000

Northbound acceleration lane/free-flow right turn lane: Loaded trucks turning right onto northbound Route 1 would benefit from an acceleration lane and taper (500' total length). This would allow a free-flow right turn allowing these trucks to enter the traffic flow without coming to a complete stop. These improvements would assist drivers turning onto that 2.0%-2.5% upgrade, reduce wear and tear on the pavement, and help reduce truck noise at the intersection.

Probable Cost = \$ 55,000
Plus right of way*

**Adding the acceleration lane along Route 1 will require a small amount of right of way and/or construction easements from the adjacent property owner fronting Route 1.*

His presentation was followed by questions from the Planning Commissioners and Board of Supervisors.

Mr. Scheid announced that the rezoning application for the Tidewater Quarries, Inc., was scheduled for a rehearing on Thursday, February 27, 2003 at Dinwiddie Elementary School.

PERSONS WHO HAD QUESTIONS FOR THE CONSULTANTS

Tommy Peters – 5123 Chesdin Road, Petersburg, Virginia
Michelle Parker – 6812 Duncan Road, Petersburg, Virginia
Thomas Morgan – 9004 Duncan Road, Petersburg, Virginia
John Easter - Box 500, Richmond, Virginia
Dianna Parker – 10700 Chalkley Road, Richmond, Virginia
Barbara Wilson – 8804 Duncan Road, Petersburg, Virginia
Melanie Robertson – 19405 Lundy Road, Dinwiddie, Virginia

IN RE: ADJOURNMENT

Upon Motion of Mr. Haraway, Seconded by Mr. Clay, Mr. Bracey, Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman, voting "Aye", the meeting adjourned at 10:09 P.M. to be continued until 3:00 P.M. on Tuesday, March 4, 2003 for a budget work session in the Multi-purpose Room of the Pamplin Administration Building.


Robert Bowman, IV, Chairman


Wendy Weber Ralph
County Administrator

/abr