



Social Monitoring Report

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People's Republic of China: Shanxi Road Development II Project Monitoring Report of Resettlement (No. 4)

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For Shanxi Hou-yu Expressway Construction Co. Ltd.

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Asian Development Bank

The Shanxi Road Development Project II

Monitoring Report of Resettlement

(No.4)

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The Shanxi Road Development Project II

Monitoring report of resettlement

(No.4)

The Shanxi Road Development Project II, namely the Houma -Yumenkou Expressway project, is one of components of National Trunk Highway GZ40. It is a project financed by the Asia Development Bank and the HouYu Expressway Construction Limited Company of Shanxi Province acts as the Employer for project implementation. In order to promote smooth processing of land acquisition and resettlement, The HouYu Expressway Construction Limited Company of Shanxi Province consigned the Shaanxi Kexin Consulting Ltd. to do external monitoring and from September 2003 on, work was done to conduct the Monitoring. Represented below is the 4th Monitoring report. This report is a response to the comments carried by a facsimile of January 5, 2006 from ADB.

Section 1 General Description of Engineering

The construction of Houma- Yumenkou expressway commenced in May, 2003 and 6 contractors involved in it. As of the end of 2005, the quantities of the works which have been completed include 98% of subgrade construction of main line; 100% of pile foundation of bridges and super large bridges; 99% of bridge pier and 100% of culverts. It is expected that the project will be completed on the whole by January 2006.

Section 2 Progress of Land Acquisition and Resettlement

As of Dec.2005, 6060 Mu land were acquired, increasing by 3.57% than the planed; the total land area acquired temporarily was 1289 Mu, decreasing by 32.19% than the plan and; 8732 square meter buildings were demolished, increasing by 59.72%. The number of households and persons affected by land acquisition was 3532 and 15187, decreasing by 25.8%; of which, 1644 persons were affected by both land acquisition and building demolition, increasing by 87% comparing the plan. The number of households and persons actually resettled were 5 and 20. For the Progress of Land Acquisition and Resettlement, see following table.

Section 3 Progress of Payment Making

As of June 31 2005, a total amount of 153.128 million Yuan has been paid in terms of Land Acquisition and Resettlement compensation, accounting for 59.31% of 258.20 million Yuan, the total amount budgeted, of which, the amount paid to villagers and village collectives for various compensations and resettlement costs are 96.5011 million RMB Y, 40.78% more than the budgeted. In addition, the total sum of funds especially for rebuild of production roads reached 4.333 million RMB Y, 6.94% of contingency. In comparison, the items to which expenses occurred are less than the budgeted include: (a)

compensation to new cultivated land, only 5.5854 million RMB Y, 13.61% of the budgeted 41.03 million RMB Y, the reason for this is the regulation of the Shanxi provincial government, according to which the rate of compensation to new cultivated land is 1000 RMB Y per Mu; (b) expenses of contingency, only 7.8205 million RMB Y, 12.53% of the budgeted, over sized budget for this item is the reason. However, land acquisition and resettlement has not yet totally over, and there will be more items to be addressed aftertime. (c) The payment of commission will keep on with the progress of project implementation.

Compensation Payment Making Progress (2005.12)

Table 1

Unit: 10000 RMB Y

Item	RAP	Progress
A. Basic Costs	17830.0	13906.61
1. Land Compensation	2642.0	3144.64
2. Resettle Subsidy	1650.0	2228.58
3. Compensation to new cultivated land	4103.0	558.54
4. Compensation for Temporary Land Borrow	615.0	519.00
5. Tax on the cultivated land	205.0	75.71
6. Soil and water run off	1198.0	557.60
7. House Compensation	96.0	237.60
8. Other Structure Compensation	74.0	1264.96
9. Compensation to the plants on the land	2390.0	2215.04
10. Electric power, communication	1889.0	2344.25
11. Irrigation canal	2670.0	518.94
12. Relocation Subsidy for villagers	1.0	0.00
13. Transition Cost for affected villagers	2.0	1.75
14. Enterprise relocation Costs	45.0	0.00
15. Exploring fee for culture relic	250.0	240.00
B. Management Fee (3% of Basic Cost)	530.0	232.86
C. Commission (3% of Basic Cost)	530.0	178.66
D. Monitoring & assessment cost (0.5%)	90.0	149.93
E. Contingency (35% of Basic Cost)	6240.0	782.05
F. Others	600.0	62.69
Total	25820.0	15312.8

Section 4 Compensation and Resettlement Mode

(1) House replacing mode.

For the reason of very small quantity of house replacing (only 5 households), on-spot-resettlement mode is taken. Namely: The villager committee takes charge to redistribute the land at proper position within the village to resettle households for their housing foundation land (about 200 square meters per household). Up to now, 3 affected households have already built new tenement with a floor area larger than the area of the houses demolished and with quality better than before. For instance: Villager Huang Yanrong living in Fujiazhuang village of Huayu township, Jishan County had his tenement demolished with a floor area of 150 square meters and built new house of his household with an area of 200 square meters. Another example refers to villager Wang Youfa in same village. He had his house with an area of 150 square meter demolished, but his new house is 180 square meter large, of which 80 square meter is brick/concrete structured and 70 square meter is brick/wood structured.

For example, Wang Yongli, a head of a 4 person family in Cangtou village of Hejin County, built a new house with 160 m² after the demolition of original one with only 46 m². Chai Maohu is the only one who has been affected but not built new house yet after resettlement, because he is the only affected one of this household. And that his son has 2 Houses, one is in the village, the other in county seat. Chai Maohu now stays in his son's house and intends not to build a new house of his own for the moment. Village has already distributed a house foundation to him for a new house to be built later on.

(2) Land based resettlement

There are two modes:

- a. Those villages with land reservation will redistribute reserved land to the villages that lost lands. The number of the villages took this mode is 34, accounting for 58.6% of total affected villages
- b. The villages without land reservation will not be able to redistribution for the moment since land contracts signed with the villagers have not yet expired. Therefore the villages will pay compensation money in certain amount to the villagers every year during the years left to contract expiration. The number of the villages took this mode is 24, accounting for 41.38% of total affected villages.

Following is a table showing the outcomes of survey of Land redistribution in 58 villages and their investment of land acquisition compensation funds.

Land Redistribution and Usage of Compensation Money
Table 3-12 **(2005.6-12)**

Village	Area of acquired land (Mu)	Redistribute or not	Redistribution mode			Usage of land compensation fees '0000 RMB Y					
			Land reservation	Redistribution in whole village	Redistribution in group	Lump sum	Paid to villager	Water conservation facilities	Road rigidification	School construction	Skill training
Leli	88.0	No	-	-	-	74.40	57.00	2.60	14.80	-	-
Beipingyuan	128.0	No	-	-	-	111.8	101.0	4.95	5.85	-	-
Fuyou	87.0	Yes	√	-	-	76.80	58.50	18.30	-	-	-
Jizhuang	93.9	No	-	-	-	103.4	86.20	2.59	14.61	-	-
Xiaolingzhuang	136.0	Yes	√	-	-	125.2	93.87	10.43	20.0	-	0.9
Shuixi	56.0	No	-	-	-	56.40	47.0	7.05	2.35	-	-
Xicun	237.0	No	-	-	-	277.2	166.5	56.20	54.10	-	0.4
Shicun	151.0	Yes	√	-	-	134.4	92.0	16.80	25.6	-	-
Wangzhuang	68.0	No	-	-	-	102.0	68.00	21.25	12.75	-	-
Yongfeng	1.9	No	-	-	-	1.56	1.56	-	-	-	-
Yongxing	12.0	Yes	√	-	-	10.3	5.2	2.58	2.22	-	0.3
Liujiangzhuang	69.0	No	-	-	-	69.6	49.30	-	11.60	8.70	-
Dongxueguo	60.0	No	-	-	-	61.16	33.13	10.19	-	17.84	-
Xixueguo	78.0	No	-	-	-	89.76	56.16	29.92	3.28	-	0.4
Donghuan	151.0	Yes	√	-	-	130.8	112.4	16.35	2.0	-	0.05
Quanzhang	126.0	No	-	-	-	106.8	62.30	26.70	17.8	-	-
Xiaodu	98.0	Yes	√	-	-	81.60	-	23.80	27.00	30.50	0.3
Taidu	160.0	No	-	-	-	224.2	173.8	-	50.0	-	0.4
Jiayu	1.0	Yes	√	-	-	0.84	0.84	-	-	-	-
Taoliang	134.0	Yes	√	-	-	128.4	86.30	10.0	32.0	-	0.1
Xinzhuang	11.0	Yes	√	-	-	8.64	2.44	5.12	1.08	-	-
Yaochun	16.0	Yes	√	-	-	14.6	3.50	5.76	2.19	3.15	-
Shangpai	262.0	Yes	-	-	√	202.0	140.0	6.98	19.79	35.23	-
Zhongshe	123.0	Yes	-	√	-	86.0	34.40	4.30	43.00	4.30	-
Xishe	95.0	Yes	-	-	√	69.0	20.70	17.25	27.60	3.45	-
Dongzhuang	59.0	Yes	√	-	-	42.6	17.04	-	17.04	8.52	-
Renyi	137.0	Yes	-	√	-	96.0	38.40	-	48.00	9.60	-
Xuejiazhuang	22.0	Yes	√	-	-	16.0	6.40	3.20	-	6.40	-
Fujiazhuang	75.5	Yes	-	-	√	62.6	31.30	6.26	-	25.04	-
Xingjiazhuang	80.0	Yes	-	-	√	59.0	17.70	-	17.70	23.60	-
Xingjiabao	112.0	Yes	√	-	-	80.2	40.10	8.02	32.08	-	-
Huayu	96.0	Yes	-	-	√	69.0	34.50	-	24.15	10.35	-
Huayuzheng	99.0	Yes	-	√	-	70.0	35.00	21.00	-	14.00	-
Luchun	42.0	Yes	-	-	√	30.0	15.00	-	15.00	-	-
Huayuxibao	107.0	Yes	-	√	-	75.0	37.50	7.50	30.00	-	-
Ninzai	16.0	Yes	√	-	-	11.0	5.50	3.30	-	2.20	-
Ninzaibao	39.0	Yes	-	-	√	27.0	13.50	-	5.40	8.10	-
Weiling	133.0	Yes	-	√	-	94.0	-	9.40	47.00	37.60	-
Guozhuang	44.0	No	-	-	-	33.0	24.18	-	3.55	4.65	0.62
Hejiazhuang	165.0	No	-	-	-	118.0	88.00	8.0	11.00	11.00	-

Beiwangbao	73.0	No	-	-	-	52.0	3.0	22.05	17.15	8.82	0.98
Fubai	210.0	Yes	√	-	-	133.0	-	19.95	99.75	13.30	-
Guanzhuang	50.0	Yes	√	-	-	40.0	-	30.00	-	8.00	2.00
Yitang	50.0	No	-	-	-	42.3	33.84	2.12	6.34	-	-
Fanjiazhuang	400.0	No	-	-	-	412.0	320.0	-	-	90.00	2.0
Dongzhuang	120.0	No	-	-	-	86.0	65.60	-	4.0	16.40	-
Xizhuang	149.0	Yes	-	√	-	157.0	-	15.70	62.80	78.50	-
Xiguan	33.0	Yes	√	-	-	20.0	16.00	2.00	1.60	-	0.40
Xiyaotou	107.0	Yes	-	√	-	74.0	-	14.80	55.50	3.70	-
Dongyaotou	94.0	Yes	-	√	-	50.0	40.00	5.00	5.00	-	-
Yangjiaxiang	23.0	No	-	-	-	14.8	-	11.84	2.22	0.74	-
Dongxinfeng	88.0	Yes	√	-	-	91.0	72.80	-	13.65	4.55	-
Xixinfeng	88.0	Yes	√	-	-	88.0	75.00	13.0	-	-	-
Taiyang	19.0	No	-	-	-	13.0	10.40	0.65	1.95	-	-
Sanqian	13.0	No	-	-	-	10.0	-	2.00	7.00	0.50	0.50
Yongan	16.0	No	-	-	-	15.0	12.00	1.50	1.50	-	-
Junling	350.0	No	-	-	-	250.0	230.0	20	-	-	-
Cangtou	129.0	No	-	-	-	100.0	-	15.00	80.00	-	5.0
Total	5681.3	-	-	-	-	4878.4	2834.9	541.41	999	488.74	14.35

Note: "Total sum of compensation" means the total of land compensation fees and resettlement subsidy, which is paid to villager committee or villager group for their control; the amount allocated to villagers means a proportion from the total sum of compensation. "Villager" includes both the villagers lost land and the villagers need to regain land from land redistribution.

Analysis of above table shows the investment proportion of the land compensation funds of all affected villages like followings: 58.11% are allocated to villagers for production and daily life expenditures; 11.1% are invested in water conservation facilities; 20.48% are invested in road rigidification; 10.02% are in school construction or maintenance and; 0.29% in skill training of villagers. From allocation proportion, it is observed that almost all villages attached great importance to improvement of water conservancy and transportation infrastructure, while paid less attention to the skill training, and before 2004 only 6 villages had fund arrangement for this purpose.

By 2005, 16 Villages arranged skill training fund with the amount increased by 51%, because at that time, land compensation fees are fully paid to the villages. Small amount invested in training does not always mean small scale of the training. At present, the influence area provides training to villagers by two modes: One is the regular lectures at villages organized by townships and given by the experts from county level agencies of agricultural science and technology, or concentration training at township for villagers to come. Normally it is free of charge from trainees, But the villages is responsible for provision of training space. The purchase of training materials is either organized by village committees or done by individual villagers themselves. Each household expends about 50 RMB Y on training material yearly. The other mode is that the individual farmers select by themselves the vocational training of technology intensive skills, such as automobile driving, machinery fixing, hair cutting and cooking. Normally it costs 1000 - 2000 RMB Y per person to be trained, and almost every trainee gets income higher than that before training.

(3) Enterprise relocation and compensation

There will be only one enterprise to be affected, i.e. the Jinyuan (Gaoyi) Coking Factory in Xingjiang County with an area of 10 Mu to be resettled. It is an enterprise creating badly pollution and closed by municipal government in light of national regulation before Land acquisition in 2001. Therefore, payment will be made in compliance with RAP to compensate for temporary structures in the factory yard and acquired land, and there is no demand to restore production and worker resettlement.

Section 5 Paying close attention to disadvantaged groups

Villager committees are responsible for taking measures to aid the disadvantaged groups among affected people. The measures mainly include:

- (a) applying the civil administration department of county for including the handicapped and alone senior people with no ability to make living into the population living on the subsidy provided by the State;
- (b) providing subsidy temporarily to those having difficulties in their daily life resulting from land acquisition or sickness;
- (c) providing tuition subsidy to those who is facing financial difficulty to support their children's study in outside area;
- (d) providing once a year salvation subsidy at the end of each year to those partially lost working ability and with low income.

Taking Cangtou village of Hejin county for example. 20 the handicapped and alone oldsters there get yearly subsidy of 240 RMB Y each from the civil administration bureau of the county and 120 RMB Y each from the village. Every year averagely, 10 persons can get 500 RMB Y each from the village in terms of tuition subsidy for their study in outside area. Wang Yongli, his house was displaced, got 300 Y of once for all subsidy from the village for his hard life caused by sickness. Another example is Shangbai village, Jishan county. 15 households there get 300 RMB Y each person every year for their poor income.

Section 6 Implementation of Economy rehabilitation program

Before project implementation, every affected village worked out economy rehabilitation program based on the actual condition of their village. In the process of implementation, the offices particularly responsible for land acquisition and resettlement at county and township level gave direction by two types.

One is the direction for the 34 villages redistributed lands after land acquisition, Mainly focus on the measures to restructure their industries, including (i) enlarging planting area of cash crops, vegetables and fruits; (ii) developing aquatic breeding. Large amount of land compensation fees are invested in improvement of irrigation facilities, which raised greatly the average output value of farmland. According to statistics from 34 villages redistributed land, 2,990,000 RMB Y were invested in irrigation facilities, making up 12 % total sum of compensation. Owing to the improvement of irrigation

conditions, the average output value per mu reached above 1600 RMB Y, increasing by 67 % than 2001. After industry restructuring, plant production, livestock breeding and household based sideline in Xishe and Huayu villages of Jishan county experienced coordinated development. The annual average gross income per capita there in 2005 reached 29000 and 13200 RMB Y respectively, of which one third was made by each of said three industry.

The other direction given by the county and township is for the villages which are unable to do land redistribution because their have no land reserved after land acquisition. They are mostly the villages with small average farmland area per capita. Therefore, except measures same to said villages to raise output value of land, the major measures here concentrate to the development of process industry, trade and sideline so as to increase as more persons working as labor as possible. Again Cangtou village, Hejin county for example, the farmers here plant asparagus(a sort of vegetable) in the wasteland of Yellow River bank for processing and then sale, at same time they expand trucking trade and work as labors, which make their income increasing very soon. The area of asparagus planting enlarged from 1000 mu in 2001 to 3000 mu at the moment with a net income of 1000 RMB Y per mu. The income increase resulting from only this measure reaches 2 million RMB Y each year for the village, 1075 Y per person in average. The number of motor vehicles the village has increases from 30 in 2001 to 50 now, And each contributes 10,000 Yuan to annual income, hauling materials for the construction of the Yellow River Bridge. In order to raise villagers' technology capability, 50,000 RMB Y were expended on skill training with 300 persons trained.

The result of implementation of the economy rehabilitation program is very satisfactory. The net income per capita of 58 villages rose from 1950 RMB Y 2001 to 2768 RMB Y. The gross income in 2005 reckoned based on said net income increased by 34.06 million RMB Y, 2 times of anticipated increase of 17.32 million RMB Y.

The analysis of data collected from 5 villages with heavy loss of lands also witnesses the success in economic rehabilitation. Listed in the table below are the comparison of primary indicator of 5 villages between 2001 and 2005. The data in the table indicate that the margin of gross income increase in 2005 exceed the anticipated. It is observed too that income from working as labor becomes a key contribution to income increase.

Table 3 Comparison of Primary Indicator (2001 - 2005)

Villages	Xishe	Dongzhuang	Huayu	Xiyaotou	Junling
Population increase %	2.7	3.8	14.2	3.4	0.8
Farmland reduce %	10.4	23.7	8.1	6.1	20.0
Farmland reduce per capita %	21.4	25.92	33.33	28.6	20.0
Average output value increase per mu %	130	144	150	50	129
Net income increase per capita %	121.4	72.5	63.3	20.4	160
No. of persons working as labor in 2005	200	300	150	330	300
Income from working as labor in 2005 ('0000 RMB Y)	200	180	60	198	210
Gross income increase in 2005 ('0000 RMB Y)	279	206	94	156	424
Anticipated increase('0000 RMB Y)	260	200	20	20	20

Section 7 Feedback of opinion on external monitoring

Two proposals put forward in the third external monitoring report were all adopted by project executing agency.

The first: the land acquisition office of Houyu Corp. enhanced internal supervision on the land temporarily used by contractors. Contractors were supervised and urged to timely restore the cultivation of all temporary lands after their service to construction and return to the villages who owned them. By the end of 2005, totally 1240 mu temporarily used land have been restored for cultivation, making up 90% of total 1380 mu. The remaining temporary land will also be restored at any time with highway construction progress.

Secondly, land acquisition and resettlement agencies of the counties enhanced direction to the affected villages about economic rehabilitation, laying stress in particular on production skill training. Main measure is invite agricultural science and technology department to held training courses at affected villages so as to raise diathesis of the villagers. The major subjects included wheat and cotton planting, fruit tree management, vegetable planting and processing and so on. Women committees of the counties also held training causes at villages particularly for female trainees to learn the skills of aquatic and poultry breeding, clothes making and so on. According to the survey covering 7 villages including Quanzhang, over 4000 persons were trained with various subjects in 2005, averagely 1 person each household at least.

Section 8 Several problems about audit

Shanxi Provincial Audit Department audited the expressway project in 2005 and found out the appropriation of land compensation money in part or the payment delay of it. After check, Houyu corporation explained as followings:

Firstly, the dispute on actual area and grade of acquired lands as well as resettlement quantity is the reason for the payment delay of the money to compensate the lands and ground attachments in some villages, and the work of recheck took time. Full payment has been made based on the result of recheck.

Secondly, some villages needed to rebuild production roads financed by the Employer due to the affection caused by the land acquisition, and the payment of land compensation fees and construction fee was made in compliance with RAP against the villages that would be the body responsible for road construction. In order to supervise road quality, the construction fee was divided into two parts and payment was made twice. A second time payment should not be made until the completion of construction work and be check and received, Which resulted in the phenomena of fund retaining. Now all payments have been made.

As for the problems of the overspend of office working fee and the embezzlement of land acquisition fee, The management funds to be used by land acquisition and resettlement offices of the counties consists of 4 parts: (i) office work fee, 50000 RMB Y for each county; (ii) survey and registration fee, 100000 RMB Y for each county; (iii) land acquisition management fee, 1.5% of compensation fee; and (iv) land acquisition and resettlement management fee, 1% of compensation fee. When auditing, the auditor paid attention only on the first part which the land acquisition offices of the counties are entitled to use, and ignore the other 3 parts which the offices are entitled to use too.

Fourthly, Hejin City did not embezzled but temporarily borrowed the money from our land compensation fees for the land acquisition compensation for Hejin-Linyi class I highway project and the money has already returned in full.

Annex I

Basic Information of Villages along Hou-Yu Expressway (2005-12)

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County		Xinjiang										
Township		Sanquan							Longxing		Quanzhang	
Village		Leli	Beipingyuan	Fuyouzhuang	Jizhuang	Xiaolingzhuang	Shuixi	Xicun	Shicun	Wangzhuang	Yongfeng	Yongxing
Population	2001	530	1080	480	1800	1800	1570	4300	490	2254	1085	298
	2005	546	1086	491	1862	1852	1585	4420	497	2348	1122	301
Household	2001	120	245	110	400	410	350	980	110	530	223	62
	2005	127	250	113	420	416	362	1100	111	542	230	65
Villager group	2001	2	3	1	8	6	4	10	1	6	3	1
	2005	2	3	1	8	6	4	10	1	6	3	1
Farmland area (Mu)	2001	1400	2974	1100	3450	4526	2400	8950	922	2960	2810	768
	2005	1300	2846	1000	3448	4420	2344	8800	771	2780	2000	756
Irrigated land (Mu)	2001	1400	2881	1100	1000	4526	2300	8000	831	2070	2810	768
	2005	1300	2813	1000	900	4420	2288	7500	731	2070	2800	756
Orchard (Mu)	2001	30	93	150	500	120	64	1800	91	780	0	50
	2005	50	33	180	400	100	34	1500	40	790	0	30
Farmland area per capita (Mu)	2001	2.50	2.8	2.00	1.90	1.75	1.49	2.08	1.90	1.30	2.60	2.58
	2005	2.50	2.6	2.00	1.85	1.70	1.44	2.00	1.60	1.20	2.50	2.52
Average output value per Mu land (Yuan)	2001	500	500	500	400	1500	400	500	1700	1800	2000	2000
	2005	700	700	700	600	2100	600	700	2100	2100	2500	2400
Average crop output value per Mu land (Yuan)	2001	400	400	400	300	850	300	400	550	560	550	600
	2005	600	650	650	600	1100	600	700	700	730	700	750
Average cash crop output value per Mu land (Yuan)	2001	800	700	700	600	3000	600	900	2100	2000	2100	2800
	2005	1300	1100	1100	1000	4000	900	1300	2400	2400	2400	3200
Average orchard output value per Mu land (Yuan)	2001	1000	1000	1200	1250	2500	1300	1300	2700	2600	0	2000
	2005	1500	1500	1400	1350	3000	1400	1600	2800	2800	0	1500
Housing area per capita (m ²)	2001	20	20	20	18	25	20	20	24	25	25	20
	2005	25	25	25	20	30	25	25	28	28	30	23

Net income per capita (Yuan)	2001	2500	2000	2000	2000	2100	2000	2000	2000	1980	2300	2500
	2005	3000	2200	2500	2200	2920	2400	2500	2400	2300	2500	2800
School	2001	1	1	1	1	1	1	1	1	1	1	0
	2005	1	1	0	2	1	1	1	1	1	1	0
Schoolhouse	2001	20	30	7	30	28	30	70	20	36	14	0
	2005	20	35	7	35	52	30	70	22	40	14	0
Class	2001	6	7	3	7	6	7	20	6	10	6	0
	2005	6	7	0	8	6	7	23	6	11	6	0
No. of teacher	2001	8	10	2	10	14	10	40	7	20	8	0
	2005	8	12	0	11	16	11	42	8	20	10	0
No. of student	2001	100	136	30	220	190	180	800	78	310	110	0
	2005	110	181	0	200	198	210	900	81	315	115	0
Store	2001	3	3	2	6	4	6	12	2	5	1	1
	2005	3	5	2	7	5	7	14	2	5	1	1
Clinic	2001	1	2	0	1	1	3	7	1	1	1	1
	2005	1	3	1	3	3	3	9	1	1	1	1
No. of household with telephone	2001	100	140	40	100	80	180	200	78	340	140	30
	2005	116	220	90	350	243	290	850	93	180	190	50
Pavement rigidification (m)	2001	1000	0	1000	0	0	0	0	0	0	0	300
	2005	1500	500	1500	500	1500	6000	500	3000	4500	500	500
Total area of land acquired (Mu)	88		128	87	93.9	136	56	237	151	68	1.9	12
Irrigated land (Mu)	68		68	52	25.1	106	30	127	109	38	1.9	12
Non-irrigated land (Mu)	0		0	0	0	0	0	0	0	0	0	0
Orchard (Mu)	20		60	35	68.8	30	26	110	42	30	0	0
House foundation (Mu)	0		0	0	0	0	0	0	0	0	0	0
No. of affected household	48		76	53	83	80	34	150	68	55	4	18
Redistributing land or not	No		No	Yes	No	Yes	No	No	Yes	No	No	Yes
Temporarily	73		0	45	48	30	0	12	40	0	0	0

used land (Mu)											
No. of household with house demolished	0	0	0	0	0	0	0	0	0	0	0
Total area of building demolished (m ²)	100	0	20	70	0	0	250	0	50	0	0
House demolished m ²)	0	0	0	0	0	0	0	0	0	0	0
No. of relocated household	0	0	0	0	0	0	0	0	0	0	0
No. of Household have new house built	0	0	0	0	0	0	0	0	0	0	0
New house (m ²)	0	0	0	0	0	0	0	0	0	0	0
Household average (m ²)	0	0	0	0	0	0	0	0	0	0	0
Total sum of compensation to village collective ('0000 Yuan)	74.4	111.8	76.8	103.4	125.2	56.4	277.2	134.4	102	1.56	10.3
Total sum of compensation got by collectives ('0000 Yuan)	74.4	111.8	76.8	103.4	125.2	56.4	277.2	134.4	102	1.56	10.3
Amount distributed to villagers ('0000 Yuan)	57	101	58.5	86.2	93.87	47	166.5	68	85.5	1.56	5.2
Amount to collective ('0000 Yuan)	17.4	10.8	18.3	17.2	31.33	9.4	110.7	66.4	16.5	0	5.1
Purpose	Irrigation canal construction	Irrigation canal construction	Irrigation canal construction	Irrigation canal construction	School construction ; Road	Irrigation canal construction	Well sink ; Irrigation canal	Well sink ; Road rigidificatio	Well sink ; Road	0	Irrigation canal construction

			; Road rigidificatio n		rigidificatio n		construction ; skill training	n	rigidificati on		; skill training
Economic rehabilitation measure	Irrigation works improvement; developing aquatic and livestock breeding; skill training	Irrigation works improvement	Irrigation works improvement	Irrigation works improvement; increasing labor	Greenhouse vegetable; Technical training	Farmland path improvement;	Cash crop planting; skill training	Cash crop planting; skill training	Irrigation works improvement; increasing labor	Cash crop planting; skill training	Irrigation works improvement; Vegetable planting
Expected income increase (Yuan/year)	54600	108500	50000	93000	500000	126000	396000	39700	117000	67000	30000
No. of migrant labors/annual average income	50/5000	120/5000	60/5000	200/5000	4000/6000	150/6000	500/6000	85/5000	300/5000	110/5000	60/5000
Man-time of labor serving highway construction and average income per capita	0	180/3600	0	0	50/5000	0	0	180/3600	0	0	0

Basic Information of Villages along Hou-Yu Expressway (2005-12)

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County		Xinjiang						Jishan				
Township		Gujiao					Sub-total	Jifeng				
Village		Liujiangzhuang	Dongxueguo	Xixueguo	Donghuan	Quanzhang		Xiaodu	Taidu	Jiayu	Taoliang	Xinzhuang
Population	2001	500	1084	1033	2077	5161	25542	2437	2950	814	3100	500
	2005	508	1092	1112	2120	5182	26124	2481	3023	906	3370	511
Household	2001	118	239	247	490	1130	5764	548	650	205	645	112
	2005	118	239	250	501	1130	5974	560	660	215	667	120
Villager group	2001	1	4	4	8	19	81	7	8	1	7	2
	2005	1	4	4	8	19	81	7	8	1	7	2
Farmland area (Mu)	2001	1380	2700	2506	3000	6252	48098	6130	8816	1900	6400	830
	2005	1250	2640	2428	2782	6130	45695	5800	8616	1800	6250	810
Irrigated land (Mu)	2001	1230	2200	2028	1520	5500	40164	2800	4408	1300	6400	800
	2005	1180	2170	2028	1530	5500	38986	3600	4308	1300	6250	780
Orchard (Mu)	2001	100	500	1400	200	1100	6978	460	65	10	80	300
	2005	70	470	1300	400	1100	6497	250	60	3	13	300
Farmland area per capita (Mu)	2001	2.66	2.50	2.44	1.40	1.0	2.06	2.50	2.0	2.3	1.5	1.6
	2005	2.46	2.40	2.19	1.32	0.9	1.95	2.30	1.7	2.0	1.5	1.5
Average output value per Mu land (Yuan)	2001	2000	2000	2230	2000	750	1300	260	1200	400	400	400
	2005	2500	2200	2500	2500	1000	1620	800	1700	900	950	1100
Average crop output value per Mu land (Yuan)	2001	550	550	600	500	700	510	200	800	400	300	300
	2005	600	600	800	600	1000	710	600	1000	650	660	650
Average cash crop output value per Mu land (Yuan)	2001	2100	2700	2250	2000	4000	1830	2000	1600	1700	2000	2000
	2005	2600	3100	2700	2800	4000	2206	3000	2000	2300	3000	2600
Average orchard output value per Mu land (Yuan)	2001	1500	2100	2800	2600	2000	1850	1100	1800	1000	800	1600
	2005	1600	2600	2700	3000	2000	2050	2000	2000	1200	600	2000
Housing area per capita (m ²)	2001	20	22	22	21	30	22	17	35	19	20	17
	2005	25	25	28	25	50	25	21	40	23	25	20
Net income per	2001	2500	2400	2600	2800	2100	2240	2100	1100	1800	1200	1800

capita (Yuan)	2005	4000	2700	3600	3800	2600	2780	2450	1800	2200	1600	2200
School	2001	1	1	1	1	1	15	1	1	1	1	1
	2005	1	1	1	1	1	15	2	1	1	1	0
Schoolhouse	2001	17	24	7	32	15	380	51	20	16	52	12
	2005	43	24	15	49	23	479	111	40	16	52	12
Class	2001	5	7	5	5	22	122	9	10	6	20	4
	2005	7	7	7	8	20	129	25	10	6	12	0
No. of teacher	2001	6	11	9	11	32	198	13	18	10	32	2
	2005	20	12	11	14	32	227	40	19	10	15	0
No. of student	2001	80	180	148	280	500	3342	390	500	210	500	40
	2005	200	183	160	300	570	3723	890	508	220	360	0
Store	2001	1	3	5	4	20	78	4	13	4	6	2
	2005	6	4	8	11	26	107	8	20	7	13	3
Clinic	2001	1	2	2	1	3	28	2	3	1	1	1
	2005	3	2	3	4	6	45	3	5	2	1	1
No. of household with telephone	2001	40	170	125	80	500	2143	120	160	80	230	70
	2005	90	210	189	349	980	4490	358	560	180	478	95
Pavement rigidification (m)	2001	60	0	0	0	0	2360	500	2000	0	0	0
	2005	360	500	300	300	500	22460	800	2000	500	3000	300
Total area of land acquired (Mu)	69		60	78	151	126	1542.8	98	160	1	134	11
Irrigated land (Mu)	39		30	10	141	121	978	88	152	1	100	11
Non-irrigated land (Mu)	0		0	0	0	0	0	1	0	0	0	0
Orchard (Mu)	30		30	68	10	2	561.8	9	8	0	34	0
House foundation (Mu)	0		0	0	0	3	3	0	0	0	0	0
No. of affected household	62		29	92	212	97	1161	50	42	1	53	6
Redistributing land or not	No		No	No	No	No		Yes	No	Yes	Yes	Yes
Temporarily used land (Mu)	80		0	88	65	4	485	0	35	0	0	0

No. of household with house demolished	0	0	0	0	0	0	0	1	0	0	0
Total area of building demolished (m ²)	645	0	647	700	600	3082	0	260	0	0	0
House demolished (m ²)	0	0	0	0	0	0	0	260	0	0	0
No. of relocated household	0	0	0	0	0	0	0	1	0	0	0
No. of Household have new house built	0	0	0	0	0	0	0	1	0	0	0
New house (m2)	0	0	0	0	0	0	0	260	0	0	0
Household average (m2)	0	0	0	0	0	0	0	260	0	0	0
Total sum of compensation to village collective ('0000 Yuan)	69.6	61.16	89.76	130.8	106.8	1531.58	81.6	224.16	0.84	128.4	8.64
Total sum of compensation got by collectives ('0000 Yuan)	69.6	61.16	89.76	130.8	106.8	1531.58	81.6	224.16	0.84	128.4	8.64
Amount distributed to villagers ('0000 Yuan)	49.3	33.13	56.16	112.4	62.3	1083.62	0	173.76	0	96.3	2.44
Amount to collective ('0000 Yuan)	20.3	28.03	33.6	18.4	44.5	447.96	81.6	50.4	0.84	32.1	6.2
Purpose	Well sink	Irrigation canal construction	Well sink	School construction	Irrigation works; Road rigidificatio		Well sink; School constructio n	Road rigidificatio n	Road rigidificatio n	Road rigidificatio n; Irrigation canal	Road rigidificatio n

					n					constructio n	
Economic rehabilitation measure	Irrigation work improvement; Vegetable wholesale market	Irrigation work improvement; developing aquatic and livestock breeding	Irrigation work improvement; Power facility upgrading	More irrigation work improvement; increasing labor	Aquatic breeding development ; increasing labor		Date tree planting、Herb medicine planting	Greenhouse vegetable	Greenhouse vegetable; Transport business	Date tree planting	Date tree planting
Expected income increase (Yuan/year)	101600	108500	88600	189900	1000000	3070400	100000	200000	100000	200000	30000
No. of migrant labors/annual average income	80/6000	120/6000	120/6000	350/6000	1000/6000	7305/5400	430/5000	500/6000	130/7000	460/8000	70/7000
Man-time of labor serving highway construction and average income per capita	1800/5000	0	0	0	100/5000	2310/4440	4/7000	0	0	200/5000	0

Basic Information of Villages along Hou-Yu Expressway (2005-12)

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County		Jishan										
Township		Jifeng		Xishe					Huayu			
Village		Yaochun	Shangpai	Zhongshe	Xishe	Dongzhuang	Renyi	Xuejiazhuang	Fujiazhuang	Xingjiazhuang	Xingjiabao	Huayu
Population	2001	3000	1300	1200	1600	1370	1820	978	1050	884	1520	930
	2005	3140	1390	1300	1643	1422	1861	1050	1100	910	1654	1062
Household	2001	650	305	260	280	310	400	213	218	190	3522	230
	2005	680	305	280	310	320	430	230	230	203	370	260
Villager group	2001	10	6	6	4	4	8	4	4	3	8	4
	2005	10	6	6	4	4	8	4	4	3	8	4
Farmland area (Mu)	2001	4100	2240	2700	2970	3800	3070	3300	2250	1026	3000	1760
	2005	3950	1980	2460	2500	2900	2800	2900	2050	870	2540	1600
Irrigated land (Mu)	2001	2500	2240	2700	2800	3800	3070	2000	2250	1026	3000	1760
	2005	2900	1980	2460	2400	2900	2800	2200	2050	870	2540	1600
Orchard (Mu)	2001	6	300	100	100	500	45	70	705	20	200	40
	2005	6	50	20	30	15	8	20	700	5	70	0
Farmland area per capita (Mu)	2001	1.3	1.7	2.0	1.4	2.7	1.7	3.3	2.14	1.05	1.5	1.8
	2005	1.2	1.5	1.6	1.1	2.0	1.5	2.7	1.86	1.0	1.5	1.2
Average output value per Mu land (Yuan)	2001	400	700	500	500	450	500	450	1250	400	400	400
	2005	1200	1100	1050	1150	1100	1250	1000	1300	1000	1000	1000
Average crop output value per Mu land (Yuan)	2001	300	300	400	350	350	350	400	980	300	350	350
	2005	700	700	700	750	800	850	700	1040	660	600	600
Average cash crop output value per Mu land (Yuan)	2001	2000	1000	800	800	1500	1000	1000	1400	1200	1100	1500
	2005	2200	2000	1900	1900	1800	2200	1900	1900	1900	2100	2100
Average orchard output value per Mu land (Yuan)	2001	1000	2700	850	900	1300	800	1000	1650	800	800	900
	2005	1200	2700	1000	1200	1200	1000	1100	1800	950	1000	1000
Housing area per capita (m ²)	2001	18	20	20	18	21	20	20	22	20	18	20
	2005	23	30	25	24	26	23	23	30	25	22	25
Net income per	2001	2100	500	1400	1400	2000	1800	1700	1000	1100	1200	1400

capita (Yuan)	2005	2600	2600	2200	3100	3450	2200	2200	2375	2000	2405	2286
School	2001	2	1	1	1	1	1	1	1	1	1	1
	2005	2	1	1	1	1	1	1	1	1	1	1
Schoolhouse	2001	90	24	31	30	18	30	16	10	20	34	26
	2005	90	22	31	45	28	30	18	17	45	57	26
Class	2001	18	6	6	6	6	6	6	7	5	6	6
	2005	14	7	6	6	6	6	6	7	5	6	3
No. of teacher	2001	53	11	10	14	12	13	12	10	6	10	8
	2005	35	11	10	18	12	11	13	12	11	11	4
No. of student	2001	750	170	120	200	300	210	260	110	200	230	180
	2005	650	170	130	300	260	240	300	130	236	260	90
Store	2001	10	3	1	10	4	3	3	3	2	3	5
	2005	16	5	3	25	4	4	4	5	3	5	6
Clinic	2001	4	2	1	1	2	1	1	1	1	1	1
	2005	4	2	1	1	2	2	2	1	1	3	1
No. of household with telephone	2001	260	100	70	100	100	60	30	30	45	50	160
	2005	530	260	210	300	250	280	190	200	160	320	220
Pavement rigidification (m)	2001	2000	0	0	1200	2300	0	0	0	0	0	0
	2005	2000	9200	2500	4000	4800	2700	2000	2000	2100	3000	2300
Total area of land acquired (Mu)	16		288	123	95	59	137	22	75.5	80	112	96
Irrigated land (Mu)	12		222	123	87	55	137	20	58.7	75	106	91
Non-irrigated land (Mu)	0		0	0	0	0	0	0	0	0	0	0
Orchard (Mu)	4		66	0	8	4	0	2	15	5	6	5
House foundation (Mu)	0		0	0	0	0	0	0	1.8	0	0	0
No. of affected household	12		180	40	52	38	38	13	60	38	52	40
Redistributing land or not	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temporarily used land (Mu)	0		0	8	45	10	160	0	2	7.5	0	0

No. of household with house demolished	0	0	0	0	0	0	0	2	0	0	0
Total area of building demolished (m ²)	0	700	0	0	0	0	0	560	0	0	0
House demolished (m ²)	0	0	0	0	0	0	0	441	0	0	0
No. of relocated household	0	0	0	0	0	0	0	2	0	0	0
No. of Household have new house built	0	0	0	0	0	0	0	2	0	0	0
New house (m2)	0	0	0	0	0	0	0	300	0	0	0
Household average (m2)	0	0	0	0	0	0	0	150	0	0	0
Total sum of compensation to village collective ('0000 Yuan)	14.6	202.0	86	69	42.6	96	16	62.6	59	80.2	69
Total sum of compensation got by collectives ('0000 Yuan)	14.6	202.0	86	69	42.6	96	16	62.6	59	80.2	69
Amount distributed to villagers ('0000 Yuan)	3.5	140	34.4	20.7	17.04	38.4	6.4	31.3	17.7	40.1	34.5
Amount to collective ('0000 Yuan)	11.1	62	51.6	48.3	25.56	57.6	9.6	31.3	41.3	40.1	34.5
Purpose	Road rigidification	Road rigidification; School construction	Road rigidification; Village office	Road rigidification; Computer	Computer for school	Road rigidification; School construction	Computer for school	School construction	Road rigidification; School construction	Road rigidification; Tap water work	Road rigidification; pumping station

		; Tap water work	building	for school							
Economic rehabilitation measure	Date tree planting	Improving irrigation works	Transport business; Private enterprise	Transport business; Private enterprise	Transport business; Private enterprise	Aquatic breeding; Transport business	Vegetable	Improving irrigation works	Aquatic breeding; Transport business	Grape planting; Transport business	Aquatic breeding; Transport business; Commercial market
Expected income increase (Yuan/year)	70000	1500000	2000000	2600000	2000000	150000	100000	70000	130000	150000	200000
No. of migrant labors/annual average income	300/7000	300/7000	180/10000	200/10000	300/6000	200/8000	120/7000	250/7000	100/7000	190/7000	150/4000
Man-time of labor serving highway construction and average income per capita	0	0	2/8000	1/10000	0	25/7000	0	100/3000	30/6000	16/7000	40/8000

Basic Information of Villages along Hou-Yu Expressway (2005-12)

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County		Jishan							Hejing			
Township		Huayu						Sub-total	Senglou			Zhaojiazhuang
Village		Huayu town	Luchun	Huayuxi bao	Ninchai	Ninchaibao	Weiling		Guozhuang	Hejiazhuang	Beiwangbao	Fubai
Population	2001	2060	2150	1000	1900	350	1630	34543	1670	1600	639	2620
	2005	2327	2380	1175	2083	360	1760	36397	1806	1738	665	2683
Household	2001	450	435	216	490	76	410	10815	365	400	115	533
	2005	465	457	250	512	79	430	8033	401	430	129	550
Villager group	2001	8	8	5	9	1	10	127	6	5	3	10
	2005	8	11	5	9	1	10	130	6	5	3	10
Farmland area (Mu)	2001	4120	3700	2537	3750	776	3300	72475	3400	3700	900	4170
	2005	3850	3280	2280	3620	735	3100	66691	3355	3500	830	3960
Irrigated land (Mu)	2001	3820	3450	2537	3750	776	2700	59887	2800	3500	600	2300
	2005	3550	3150	2180	3620	735	2600	56773	2800	3300	530	2100
Orchard (Mu)	2001	310	120	70	150	20	110	3781	600	200	15	240
	2005	100	25	30	50	13	70	1838	600	200	15	210
Farmland area per capita (Mu)	2001	1.8	1.6	2.5	1.9	1.8	2.0	1.91	2.0	2.3	1.5	1.6
	2005	1.7	1.4	2.0	1.8	1.8	1.7	1.66	1.8	2.0	1.4	1.5
Average output value per Mu land (Yuan)	2001	400	400	400	400	450	400	500	1500	1000	1500	800
	2005	900	900	950	900	950	950	1052	2500	1800	2500	1500
Average crop output value per Mu land (Yuan)	2001	400	350	360	360	350	350	390	400	400	400	700
	2005	700	700	700	700	700	700	720	700	700	700	800
Average cash crop output value per Mu land (Yuan)	2001	1500	1000	1100	1000	1100	1200	1340	1300	1500	1300	900
	2005	1800	1400	1700	1400	1400	1600	2004	2100	2100	2100	1800
Average orchard output value per Mu land (Yuan)	2001	900	1000	900	1000	1000	1000	1120	1000	1600	1000	1000
	2005	1050	1150	1180	1200	1150	1200	1312	1500	1700	1500	1200
Housing area	2001	20	15	21	15	13	17	19	20	30	20	25

per capita (m ²)	2005	25	25	24	25	22	23	25	22	30	25	25
Net income per capita (Yuan)	2001	1800	1250	1300	1200	1200	1300	1430	1500	1000	1500	2000
	2005	2583	1550	1900	1898	1890	1900	2245	2650	1900	2760	2680
School	2001	1	1	1	1	1	1	23	1	1	1	1
	2005	1	1	1	1	1	1	23	1	1	1	1
Schoolhouse	2001	35	45	20	40	16	33	669	24	20	19	20
	2005	50	45	20	40	16	33	844	38	20	19	20
Class	2001	6	7	4	8	3	8	163	6	7	5	7
	2005	8	7	4	8	3	8	163	7	5	6	7
No. of teacher	2001	14	18	6	13	3	10	298	11	13	7	14
	2005	21	12	6	13	2	10	296	11	7	6	16
No. of student	2001	240	320	120	320	54	200	5624	200	300	57	250
	2005	380	280	130	290	30	220	6074	210	210	55	258
Store	2001	20	35	2	8	1	5	147	4	5	3	8
	2005	35	25	3	12	2	8	216	4	5	3	6
Clinic	2001	1	5	1	3	1	4	39	2	3	1	2
	2005	1	8	1	5	1	4	52	2	3	1	2
No. of household having telephones	2001	70	110	50	75	20	60	2050	0	50	60	208
	2005	520	440	210	480	58	338	6637	320	330	93	470
Road rigidification (m)	2001	0	0	0	0	2000	2500	12500	0	0	0	0
	2005	4100	3500	3000	4000	2600	4200	64600	2000	3000	1500	2000
Total area of acquired land (Mu)	99		42	107	16	39	133	1917.5	44	165	73	210
Irrigated land (Mu)	99		42	107	16	39	126	1767.7	44	144	70	210
Non-irrigated land (Mu)	0		0	0	0	0	0	1	0	0	3	0
Orchard (Mu)	0		0	0	0	0	7	147	0	20	0	0
Housing foundation land (Mu)	0		0	0	0	0	0	1.8	0	1	0	0

No. of households affected by land acquisition	40	30	62	7	13	50	917	50	150	70	46
Re-distributing land or not	Yes	Yes	Yes	Yes	Yes	Yes		No	No	No	Yes
Temporarily acquired land (Mu)	0	4	46	0	0	23	340.5	33	15	0	0
Total No. of household with house demolished	0	0	0	0	0	0	3	0	1	0	0
Total area of buildings demolished (m²)	0	0	0	0	0	0	1520	250	70	0	0
Area of houses demolished (m²)	0	0	0	0	0	0	701	0	70	0	0
No. of households removed	0	0	0	0	0	0	3	0	0	0	0
No. of households built new houses already	0	0	0	0	0	0	3	0	0	0	0
Area of new house (m²)	0	0	0	0	0	0	560	0	0	0	0
Average area of per household (m²)	0	0	0	0	0	0	187	0	0	0	0
Total amount of subsidy to village collective ('0000 Y)	70	30	75	11	27	94	1547.6	33	118	52	133
Total sum of compensation got by	70	30	75	11	27	94	1547.6	33	118	52	133

collectives (‘0000 Yuan)											
Amount to villagers (‘0000 Y)	35	15	37.5	5.5	13.5	0	685.24	24.18	88	3	0
Amount collective spent (‘0000 Y)	35	15	37.5	5.5	13.5	94	862.36	8.82	30	49	133
Purpose	Road rigidification	school construction	drinking water; Road rigidificatio n	Road rigidificatio n	drinking water; Road rigidificatio n	drinking water; Road rigidificatio n		Road rigidification	school construction	Road rigidificatio n; Land leveling	Road rigidificatio n; Land leveling
Economic rehabilitation measures	Trucking trade; Trade market	Trucking trade; Herb medicine planting	Trucking trade; Cash crop ; Private enterprise	Trucking trade	Greenhouse for vegetable planting ; Trucking trade	Perfecting irrigation works; date and grape planting		Cash crop; increasing labor	Cash crop; increasing labor	Cash crop; increasing labor	Cash crop
Expected income increase (Y/year)	200000	200000	300000	300000	50000	160000	10510000	60000	160000	100000	250000
No. of migrante workers and their annual average income	300/7000	270/6000	160/6000	310/6000	40/7000	300/7000	5260/6900	250/6000	240/7000	88/6000	330/6000
Man-time of survice to construction and per capita income	8/7000	10/6000	21/10000	0	0	20/7000	477/7500	0	0	10/5000	0

Basic Information of Villages along Hou-Yu Expressway (2005-12)

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County		Hejin											
Township		Zhaojiazhuang				Qinjian	Chengqu				Yangcun		
Village		Guanzhuang	Yitang	Fanjiazhuang	Dongzhuang	Xizhuang	Xiguan	Xiyaotou	Dongyaotou	Yangjiaxiang	Dongxingfeng	Xixingfeng	
Population	2001	1352	2030	3305	2210	1610	1508	2583	1190	1556	2136	1450	
	2005	1397	2066	3389	2264	1690	1532	2670	1211	1598	2332	1511	
Household	2001	325	440	717	550	360	330	612	230	345	500	320	
	2005	370	452	747	560	376	330	634	245	345	500	350	
Villager group	2001	8	10	12	5	3	3	13	4	5	10	4	
	2005	8	10	12	5	3	3	13	4	5	10	4	
Farmland area (Mu)	2001	2450	3200	5012	3588	3150	718	1757	999	1014	1490	960	
	2005	2320	3150	4562	3463	3000	685	1650	900	990	1400	860	
Irrigated land (Mu)	2001	2450	2800	4952	3508	2000	718	1405	540	650	980	930	
	2005	2320	2800	4952	3463	2900	685	1320	500	626	957	830	
Orchard (Mu)	2001	600	600	60	0	800	0	48	10	80	110	30	
	2005	300	450	60	0	750	0	31	10	80	68	30	
Farmland area per capita (Mu)	2001	1.8	1.5	2.5	1.6	1.8	0.5	0.7	0.8	0.6	0.6	0.7	
	2005	1.7	1.4	1.3	1.5	1.7	0.4	0.5	0.8	0.6	0.5	0.6	
Average output value per Mu land (Yuan)	2001	1000	1200	1000	1000	1000	1500	1280	1000	1000	1000	1000	
	2005	1800	1800	2100	2100	2020	2200	1800	1600	1600	1600	1800	
Average crop output value per Mu land (Yuan)	2001	700	800	800	800	700	1200	1150	700	900	800	800	
	2005	800	900	800	900	800	1500	1170	800	900	800	800	
Average cash crop output value per Mu land (Yuan)	2001	900	900	1100	1200	800	1300	1325	1500	1200	1000	1100	
	2005	2500	2000	2600	2600	2150	2500	2500	2600	2600	2500	2500	
Average orchard output value per Mu land (Yuan)	2001	1000	1400	1400	0	2500	0	1500	0	2000	1000	1000	
	2005	1000	1400	1500	0	2500	0	1500	0	2000	800	1000	
Housing area per	2001	40	30	40	30	25	24	18	24	20	30	30	

capita (m ²)	2005	50	40	45	30	25	25	20	24	20	30	30
Net income per capita (Yuan)	2001	2000	1000	4000	3000	3800	2300	2875	2300	2580	3000	3800
	2005	3200	2600	6200	3500	4000	2800	3460	2800	3200	3400	3800
School	2001	1	1	2	1	1	1	2	1	1	1	1
	2005	1	1	2	1	1	1	2	1	1	1	1
Schoolhouse	2001	24	36	130	30	30	40	50	10	40	50	38
	2005	24	40	180	30	30	40	62	10	40	50	38
Class	2001	5	5	21	12	5	9	18	6	7	11	10
	2005	5	6	24	12	5	9	20	6	7	10	7
No. of teacher	2001	13	17	64	40	14	18	32	11	13	30	30
	2005	13	15	64	40	16	18	35	11	13	22	18
No. of student	2001	150	310	980	500	140	153	750	160	286	400	320
	2005	155	280	980	500	150	162	860	170	286	260	180
Store	2001	3	7	8	5	10	15	10	4	1	6	15
	2005	5	9	14	6	10	15	12	5	1	12	25
Clinic	2001	1	2	6	1	2	1	1	1	1	5	3
	2005	1	3	6	1	2	1	1	1	1	4	3
No. of household having telephones	2001	100	150	720	350	280	292	420	150	260	300	260
	2005	300	320	745	430	380	300	495	210	275	450	350
Road rigidification (m)	2001	0	0	0	0	0	0	0	0	0	0	0
	2005	3000	2000	3000	4000	5000	3000	3000	3000	2000	2000	4000
Total area of acquired land (Mu)	50		50	400	120	149	33	107	94	23	88	88
Irrigated land (Mu)	40		45	358	120	110	33	102	27	23	88	88
Non-irrigated land (Mu)	0		0	0	0	0	0	5	67	0	0	0
Orchard (Mu)	10		5	22	0	39	0	0	0	0	0	0
Housing foundation land (Mu)	0		0	20	0	0	0	0	0	0	0	0

No. of households affected by land acquisition	70	43	260	80	26	28	72	30	26	23	20
Re-distributing land or not	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Temporarily acquired land (Mu)	0	0	20	5	30	9	20	0	0	7	15
Total No. of household with house demolished	0	0	0	0	0	0	0	0	0	0	0
Total area of buildings demolished (m ²)	0	258	700	100	0	0	0	0	0	0	0
Area of houses demolished (m ²)	0	0	0	0	0	0	0	0	0	0	0
No. of households removed	0	0	0	0	0	0	0	0	0	0	0
No. of households built new houses already	0	0	0	0	0	0	0	0	0	0	0
Area of new house (m ²)	0	0	0	0	0	0	0	0	0	0	0
Average area of per household (m ²)	0	0	0	0	0	0	0	0	0	0	0
Total amount of subsidy to village collective ('0000 Y)	40	42.3	412	86	157	20	74	50	14.8	91	88
Total sum of compensation got by collectives ('0000 Yuan)	40	42.3	412	86	157	20	74	50	14.8	91	88
Amount to villagers ('0000 Y)	0	33.84	320	65.6	0	16	0	40	0	72.8	75

Amount collective spent ('0000 Y)	40	8.46	92	20.4	157	4	74	10	14.8	18.2	13
Purpose		Road rigidification	irrigation works Road rigidification	school construction	school construction	Land leveling	Land leveling	Land leveling	Land leveling	Road rigidification	irrigation works
Economic rehabilitation measures	Cash crop	Cash crop	Invested into enterprise; increasing labor	Cash crop; increasing labor	Cash crop	Increasing farmland area	Cash crop ; Private enterprise; increasing labor	Cash crop ; Private enterprise	Cash crop; increasing labor	Cash crop	Cash crop
Expected income increase (Y/year)	50000	100000	800000	100000	100000	150000	200000	100000	100000	100000	100000
No. of migrant workers and their annual average income	150/7000	130/6000	1000/6000	380/7000	160/5000	120/8000	330/6000	30/6000	350/6000	120/5000	140/6000
Man-time of service to construction and per capita income	0	0	20/6000	0	0	14/6000	0	0	10/6000	0	0

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County		Hejin						Total
Township		Yangcun					Subtotal	
Village		Taiyang	Sanqian	Yongan	Junling	Caotou		
Population	2001	2100	1100	1920	2005	1830	36414	96499
	2005	2243	1162	2122	2021	1860	37960	100481
Household	2001	640	260	410	450	365	8267	24846
	2005	710	280	446	500	380	8735	22742
Villager group	2001	8	3	6	9	6	133	341
	2005	8	3	6	9	6	133	344
Farmland area (Mu)	2001	2800	520	1344	1250	1450	43872	164445
	2005	3100	506	1304	1000	1400	41935	154321
Irrigated land (Mu)	2001	800	400	800	1250	1450	34833	134884
	2005	800	400	1304	1000	1400	34987	130746
Orchard (Mu)	2001	0	0	500	300	0	4193	14952
	2005	0	0	900	500	0	4204	12539
Farmland area per capita (Mu)	2001	1.3	0.24	0.7	0.5	1.3	1.23	1.73
	2005	1.3	0.22	0.65	0.4	1.2	1.07	1.56
Average output value per Mu land (Yuan)	2001	1200	1200	1200	850	450	1080	960
	2005	2300	2300	2300	1950	2500	2003	1558
Average crop output value per Mu land (Yuan)	2001	800	800	800	900	500	750	550
	2005	800	800	800	900	700	810	727
Average cash crop output value per Mu land (Yuan)	2001	1200	1300	1500	2000	700	1200	1460
	2005	2500	2500	2500	2500	1700	2213	2141
Average orchard output value per Mu land (Yuan)	2001	0	0	1000	1000	0	1220	1400
	2005	0	0	2000	800	0	1350	1571
Housing area per capita (m²)	2001	30	20	20	20	30	26	22
	2005	30	25	25	25	30	29	26
Net income per capita (Yuan)	2001	1500	1000	2150	800	1400	2170	1950
	2005	3200	2860	3370	2900	3300	3279	2768
School	2001	1	1	1	1	1	22	60
	2005	1	1	1	1	1	22	60
Schoolhouse	2001	36	21	47	43	26	734	1783
	2005	36	21	47	43	26	814	2137
Class	2001	10	6	8	7	10	175	460
	2005	10	6	6	7	7	172	464
No. of teacher	2001	14	12	17	13	27	410	906

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	2005	16	12	17	14	17	381	904
No. of student	2001	500	103	220	185	180	6144	15110
	2005	550	95	180	185	175	5901	15698
Store	2001	42	5	6	10	10	177	402
	2005	42	5	8	10	12	209	532
Clinic	2001	3	2	1	3	2	43	110
	2005	3	2	1	3	2	43	140
No. of household having telephones	2001	200	130	140	150	180	4400	8593
	2005	520	210	330	390	310	7228	18355
Road rigidification (m)	2001	0	0	0	0	0	0	14860
	2005	3000	2000	4000	4000	16000	71500	1585
Total area of acquired land (Mu)	19		13	16	350	129	2221	5681.3
Irrigated land (Mu)	19		13	16	230	128	1908	4653.7
Non-irrigated land (Mu)	0		0	0	90	0	165	166
Orchard (Mu)	0		0	0	30	0	126	834.8
Housing foundation land (Mu)	0		0	0	0	1	22	26.8
No. of households affected by land acquisition	5		20	16	400	2	1437	3515
Re-distributing land or not	No		No	No	No	No		
Temporarily acquired land (Mu)	15		0	0	3	0	172	997.5
Total No. of household with house demolished	0		0	0	0	2	2	5
Total area of buildings demolished (m ²)	0		0	334	20	287	2019	6621
Area of houses demolished (m ²)	0		0	0	0	287	287	988
No. of households removed	0		0	0	0	0	2	5
No. of households built new houses already	0		0	0	0	0	1	4
Area of new house (m ²)	0		0	0	0	0	160	720
Average area of per household	0		0	0	0	0	160	180

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(m ²)							
Total amount of subsidy to village collective ('0000 Y)	13	10	15	250	100	1770.1	4849.3
Total sum of compensation got by collectives ('0000 Yuan)	13	10	15	250	100	1770.1	4849.3
Amount to villagers ('0000 Y)	0	0	12	230	0	951.42	2720.3
Amount collective spent ('0000 Y)	13	10	3	20	100	818.68	2129.0
Purpose	digging well; Road rigidification		digging well; Road rigidification	Land leveling	Road rigidification		
Economic rehabilitation measures	Cash crop; increasing labor	Cash crop; increasing labor	private enterprise; trucking trade; increasing labor	Land reservation ; increasing labor	Cash crop Tourist service; increasing labor		
Expected income increase (Y/year)	250000	100000	360000	200000	360000	3740000	17320400
No. of migrante workers and their annual average income	400/6000	215/7000	350/7000	360/4500	300/7000	5443/6000	18008/6100
Man-time of survice to construction and per capita income	10/6000	0	12/6000	10/6000	60/6000	760/6000	3547/5980

Annex II

Data of Sampled Households (2001-2005) (I)

Village	Year	No. of households surveyed	Population			Younger than 16	Between 17-60	Older than 61	Illiteracy			No. of labor	Agricultural Population %	Non-agricultural population %
			Male	Female	Subtotal				Male	Female	Subtotal			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Quanzhang village, Gujiao township of Xingjiang county	2001	25	71	64	135	39	77	19	2	2	4	78	83.33	16.67
	2005	25	72	67	139	41	80	18	0	0	0	71	86	14
Xiaolingzhuang village, Sanquan township of Xingjiang county	2001	25	66	66	132	34	91	7	1	3	4	74	94.6	5.4
	2005	25	68	68	136	27	95	14	0	0	0	79	92	8
Fujiazhuang village, Huayu township of Jishan county	2001	25	70	72	142	40	92	10	1	3	4	82	95.1	4.9
	2005	25	75	74	149	41	96	12	1	0	1	81	100	0
Shangbai village, Jifeng township of Jishan county	2001	25	57	54	111	31	71	9	0	0	0	67	92.5	7.5
	2005	25	58	58	116	31	76	9	0	4	4	69	95	5
Taidu village, Jifeng township of Jishan county	2001	25	66	61	127	38	86	3	0	0	0	84	98.8	1.2
	2005	25	67	65	132	39	84	9	0	0	0	87	98	2
Fanjiashuang village, Zhaojiashuang township of Hejin county	2001	25	69	69	138	31	87	20	0	1	1	88	88.6	11.4
	2005	25	71	70	141	29	90	22	0	0	0	89	94	6
Junling village, Yangcun township	2001	25	70	72	142	41	81	20	2	3	5	79	89.9	10.1
	2005	25	74	75	149	41	87	21	12	13	25	81	90	10
Total	2001	175	469	458	927	254	577	96	6	12	18	552	91.8	8.2
	2005	175	485	477	962	249	608	105	13	17	30	557	93.6	6.4

Data of Sampled Households (2001-2005) (II)

Village	Year	No. of households surveyed	Average total income per household (Y)	Planting %	Aquatics breeding %	Industry and sideline %	Average total expenditure (Y)	Production cost %	Cost of living %	Other expenditure %
1	2	3	4	5	6	7	8	9	10	11
Quanzhang village, Gujiao township of Xingjiang county	2001	25	9033.7	46.1	6.39	41.74	7993.5	12.9	39.7	47.4
	2005	25	13450	40.6	9.2	50.2	8164	21.3	46.2	32.5
Xiaolingzhuang village, Sanquan township of Xingjiang county	2001	25	8221.4	39.6	2.7	57.5	8090.7	89	49.8	41.3
	2005	25	12620	24.1	27.8	48.1	8450	24.0	50.1	25.9
Fujiazhuang village, Huayu township of Jishan county	2001	25	6263.5	23.7	8.6	69.3	4028.3	31.8	26.7	41.5
	2005	25	15997	34.0	34.1	31.9	6085	27.2	56.3	16.5
Shangbai village, Jifeng township of Jishan county	2001	25	4144.4	41.1	2.1	55.6	3330.7	15.4	39.2	45.4
	2005	25	18670	17.5	5.1	77.4	9348	23.6	39.8	36.6
Taidu village, Jifeng township of Jishan county	2001	25	6732.7	45.4	1.5	37.8	4348	37.9	19.3	42.8
	2005	25	22640	33.5	33.6	32.9	10652	29.9	61.7	8.4
Fanjiashuang village, Zhaojiashuang township of Hejin county	2001	25	13159	25.2	1.7	71.5	10506	17.6	38.8	43.6
	2005	25	25680	11.4	3.8	84.8	16740	12.5	48.2	39.3
Junling village, Yangcun township	2001	25	2879.5	51.7	9.75	33.4	2678.3	18.5	37.4	44.1
	2005	25	9643	20.4	6.0	73.6	6078	20.2	44.7	35.1
Total	2001	175	7204.8	44.0	4.0	52.0	5853.6	21.1	35.9	43.0
	2005	175	118700	25.9	17.1	57.0	65517	22.7	49.6	27.7

Notes: 1、Cost living includes the expenditures on food, clothes, housing, electrical appliance, fuel and others;

2、Other expenditures includes the expenditures on the purchase of large equipments, culture, education, health care, entertainment, traffic and tele-communication.

Annex III**Schedule Of Public Participation In Houma-Yumenkou Expressway**

Time	Site	Subject	Participants	Conclusion or suggestion
Aug. 10 2002	Fanjiazhuang, Hejin county	Solicit constructive opinion on expressway project	16 persons of county, township and village leaders and villagers i representatives	Masses along the route come out in support of expressway construction
Aug. 16 2002	Quanzhang village, Xingjiang county	Solicit constructive opinion on expressway project	40 persons of county, township and village leaders and villagers i representatives	Masses along the route come out in support of expressway construction
Aug. 17 2002	Shangbai village, Jishan county	Solicit constructive opinion on expressway project	35 persons of county, township and village leaders and villagers i representatives	Masses along the route come out in support of expressway construction
Dec. 15 2002	Fujiazhuang, Xingjiazhuang, Shangbai village in Jishan county	Solicit opinion on bridge, Culvert location	20 persons from Wuhan Highway Design Institute, county land acquisition and resettlement office, villagers i representatives	Adopt reasonable suggestion
May 17 2003	Junling village, Hejin county	Economy rehabilitation program	15 persons of village cadre, villagers i representatives, consulting expert	Proposing program of cash crop plantation based on analysis of economic situation after land acquisition and resettlement
September 29 2003	Hejin county government	Land acquisition and resettlement mobilization	100 persons of villagers i representatives, township leaders and staffs from county level units	Deciding assignment and method of land acquisition and resettlement
September 28 2003	Jishan county government	Job training of land acquisition and resettlement	150 persons of township leaders and staffs from county level units	Deciding assignment and method of land acquisition and resettlement
September 30 2003	Xingjiang county government	Job training of land acquisition and resettlement	170 persons of township leaders and staffs from county level units	Deciding assignment and method of land acquisition and resettlement
Oct. 20 2003	Hejin county government	Economy rehabilitation program	60 persons of villagers i representatives, township	Proposing suggestions like re-structuring industry,

			and village cadres	developing cash crop plantation, improving water conservation facilities and increasing income of labors
February 18 2004	Xingjiang county government	Informal discussion on the work at preliminary stage	50 persons from county land acquisition and resettlement office and township representatives	
February 20 2004	Hejin county government	Informal discussion on land acquisition and resettlement	19 persons of township leaders, consulting experts, ADB officer and staffs from county land acquisition and resettlement office and HouYu Expressway Company Ltd.	Land redistribution development of cash crop
February 20 2004	Jishan county government	Informal discussion on the work at preliminary stage	40 persons from county land acquisition and resettlement office and township representatives	
February 21 2104	Xingjiang county government	Informal discussion on land acquisition and resettlement	11 persons of township leaders, consulting experts, ADB officer and staffs from county land acquisition and resettlement office and HouYu Expressway Company Ltd.	Formulating land exploitation plan, developing cash crop plantation
February 21 2104	Shangbai village, Jishan county	The usage of land acquisition and resettlement compensation money	12 persons of village leaders, villagers representatives consulting experts and ADB officers	Investment of compensation money in: 1 public welfare establishments-2 improvement of irrigation facilities, 3 development of cash crop plantation and, 4 establishment of enterprises
Mar. 15 2004	Hejin county government	Informal discussion on commencement of expressway construction	30 persons of villages ' representatives and from contractors, county land acquisition and resettlement	Enhancing exchange and cooperation

			office,	
April 2 2004	Jishan county government	Informal discussion on commencement of expressway construction	35 persons of villages ' representatives and from contractors, the Employer, county land acquisition and resettlement office,	Enhancing exchange and cooperation
Jul. 12 2004	Jishan county government	Coordination on power supply facilities relocation	35 persons from county land acquisition and resettlement office, Yuncheng City, the principal of Jishan county electric power bureau	Determining the obligation and time period for both sides
Jul. 20 2004	Taidu village, Jishan county	Usage of land compensation fees	120 persons of village leaders and villagers i representatives	Discussing the usage of compensation money
Jul. 20 2004	Xingjiang county government	Coordination on power supply facilities relocation	16 persons from county land acquisition and resettlement office, the principal of county electric power bureau	Determining the obligation and time period for both sides
Oct. 30 2004	Junling village, Hejin county	Construction affection on villager production and daily life	15 persons of villagers i representatives and principal of contractors	Requiring contractors to take measures to eliminate noise and dust pollution
Nov. 5 2004	Fanjiazhuang village, Hejin county	Usage of land compensation fees	45 persons of village leaders and villagers i representatives	Discussing the usage of compensation money
Nov. 17 2004	Xingjiang county government	Land acquisition and resettlement site visit	9 persons of townships and villages ' representatives, national and international consulting expert and from county land acquisition and resettlement office	Suggesting the preparation by villages of the usage of land compensation fees
Dec. 2 2004Dec. 2 2004	Fujiazhuang village, Jishan county	Economy rehabilitation program	12 persons of village cadres, national and international consulting expert	Development of cash crop plantation
Dec. 3 2004	Quanzhang village, Xingjiang county	Economy rehabilitation program	15 persons of village cadres, villagers i representatives, national and international	Improvement of irrigation facilities development of cash crop plantation of herb medicine

			consulting experts and staffs of county land acquisition and resettlement office	and development of stock raising
Mar. 3 2005	Jishan county government	Summarizing experience	50 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Making arrangement for land acquisition and resettlement work in the days to come
Mar. 8 2005	Xingjiang county government	Summarizing experience	19 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Making arrangement for land acquisition and resettlement work in the days to come
May 23 2005	Hejin county government	Summarizing experience	15 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Making arrangement for land acquisition and resettlement work in the days to come
Jun. 28 2005	Junling village, Hejin county	Usage of land compensation fees	9 persons of villagers ' representatives and staffs of county land acquisition and resettlement	Suggesting the increase of expense on skill training
Jul. 9, 2005	Shangbai village, Jishan county	Water conservation facilities	25 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Irrigation canal restoration financed by execution agency
July 10 日, 2005	Junling village, Hejin county	Water conservation facilities	25 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Irrigation canal restoration financed by execution agency
July 13 日, 2005	Xizhuang village , Hejin county	30 mu land incapable of irrigation since affection of construction	18 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Compensated by execution agency as per compensation rate for land acquisition

July 21, 2005	Leli village, Xinjiang county	Village road interrupted resulting from construction	12 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Irrigation canal restoration financed by execution agency
August. 6, 2005	Xizhuang village , Hejin county	Fruit tree loss resulting from construction	16 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Compensated by execution agency as per compensation rate for land acquisition
August. 18, 2005	Taidu village, Jishan county	Loss of vegetable green house resulting from underpass construction	25 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Compensated by execution agency as per compensation rate for land acquisition
September 10, 2005	Ninzaibao village, Jishan county	70 mu land incapable of irrigation since affection of construction	13 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Underpass and well construction financed by execution agency
September 18, 2005	Shicun village, Xinjiang county	120 mu land incapable of irrigation since affection of construction	10 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Well construction financed by execution agency
October 13, 2005	Dongxueguo village, Xinjiang county	Large area of land incapable of irrigation since affection of construction	19 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Water pipe and well construction financed by execution agency
October 21, 2005	Dongxinfeng village , Hejin county	Village road interrupted resulting from construction	14 persons of townships and villages ' representatives, and staffs of county land acquisition and resettlement office	Irrigation canal restoration financed by execution agency